



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

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

This template is a guide to assist applicant's in developing a plain language summary as required by 30 Texas Administrative Code Chapter 39 Subchapter H. Applicant's may modify the template as necessary to accurately describe their facility as long as the summary includes the following information: (1) the function of the proposed plant or facility; (2) the expected output of the proposed plant or facility; (3) the expected pollutants that may be emitted or discharged by the proposed plant or facility; and (4) how the applicant will control those pollutants, so that the proposed plant will not have an adverse impact on human health or the environment.

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

If you are subject to the alternative language notice requirements in 30 Texas Administrative Code §39.426, **you must provide a translated copy of the completed plain language summary in the appropriate alternative language as part of your application package**. For your convenience, a Spanish template has been provided below.

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

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

Energy Transfer GC NGL Fractionators LLC (CN604309419) operates Fractionator VII (MB Frac VII) RN110476538 an existing Natural Gas processing plant that fractionates Y-grade natural gas liquids into ethane, propane, butane, and natural gasoline. The process uses a low vapor pressure heating medium and cooling is provided using Wet Surface Air Cooling (WSAC) technology. The feedstock and products of the facility are stored in off-site salt dome caverns and transported to and from the facility via pipelines, eliminating the need for on-site feedstock or product storage. The facility is located at 8790 FM 1942, in Baytown, Chambers County, Texas 77521. This permit amendment is being submitted to request the authorization to sample BOD5 from a grab sample to a composite sample and to remove the WET testing. This permit amendment also requests the transfer the existing NPDES Permit for Fractionator VII over to the TCEQ and obtain a TPDES permit to cover the facility discharging through the existing Outfall 001.

Discharges from the facility may contain small amounts of total residual chlorine and some organic material (as BOD5). The facility (Frac VII) generates non-contact cooling water (blowdown water from WSAC units) as well as Reverse Osmosis reject water, fan fin cleaning water, fire system testing water, emergency showers water, and non-contact stormwater discharge is treated with CO₂ to control pH and a dechlorinator to control the total residual chlorine.

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

AGUAS RESIDUALES INDUSTRIALES/AGUAS PLUVIALES

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

Energy Transfer GC NGL Fractionators LLC (CN604309419) opera el Fraccionador VII (MB Frac VII) (RN110476538) una planta de procesamiento de gas natural existente que fracciona líquidos de gas natural de grado Y en etano, propano, butano y gasolina natural. El proceso utiliza un medio de calentamiento a baja presión de vapor y el enfriamiento se proporciona utilizando la tecnología de refrigeración por aire de superficie húmeda (WSAC). La materia prima y los productos de la instalación se almacenan en cavernas de cúpula de sal fuera del sitio y se transportan hacia y desde la instalación a través de tuberías, eliminando la necesidad de materia prima en el sitio o almacenamiento de productos. La instalación está ubicada en el 8790 FM 1942, en Baytown, Condado de Chambers, Texas 77521. Esta enmienda al permiso se presenta para solicitar la autorización para tomar muestras de BOD5 de una muestra individual a una muestra compuesta y para eliminar la prueba WET. Esta enmienda también solicita transferir el permiso NPDES existente para el fraccionador VII a la TCEQ y obtener un permiso TPDES para cobijar la descarga a través de la actual desembocadura 001.

Se espera que las descargas de la instalación puede que contengan pequeñas cantidades de cloro residual total y algo de material orgánico (como DBO5). La instalación (Frac VII) genera agua de refrigeración sin contacto (agua de purga de las unidades WSAC), así como agua de rechazo de ósmosis inversa, agua de limpieza de aletas de ventilador, agua de prueba del sistema contra incendios, agua de duchas de emergencia y aguas pluviales sin contacto con contaminantes. Esta agua residual es tratada con CO₂ para controlar el pH y también es tratada con un declorador para controlar el cloro residual.

INSTRUCTIONS

1. Enter the name of applicant in this section. The applicant name should match the name associated with the customer number.
2. Enter the Customer Number in this section. Each Individual or Organization is issued a unique 11-digit identification number called a CN (e.g. CN123456789).
3. Choose “operates” in this section for existing facility applications or choose “proposes to operate” for new facility applications.
4. Enter the name of the facility in this section. The facility name should match the name associated with the regulated entity number.
5. Enter the Regulated Entity number in this section. Each site location is issued a unique 11-digit identification number called an RN (e.g. RN123456789).
6. Choose the appropriate article (a or an) to complete the sentence.
7. Enter a description of the facility in this section. For example: steam electric generating facility, nitrogenous fertilizer manufacturing facility, etc.
8. Choose “is” for an existing facility or “will be” for a new facility.
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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

PERMIT NO. WQ0005413000

APPLICATION. Energy Transfer GC NGL Fractionators LLC, 12353 Eagle Pointe Drive, Mont Belvieu, Texas 77535, which owns a natural gas processing facility, has applied to the Texas Commission on Environmental Quality (TCEQ) to amend Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0005413000 (EPA I.D. No. TX0134075) to authorize removal of the Whole Effluent Toxicity (WET) testing requirement and to change the BOD₅ sample method from grab to composite. The facility is located at 8790 Farm-to-Market Road 1942, near the City of Mont Belvieu, in Chambers County, Texas 77521. The discharge route is from the plant site to an unnamed ditch, thence to Cedar Bayou Above Tidal. TCEQ received this application on October 16, 2023. The permit application will be available for viewing and copying at Sam and Carmena Goss Memorial Branch Library, 1 John Hall Drive, Mont Belvieu, Texas prior to the date this notice is published in the newspaper. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-94.92157,29.843884&level=18>

The application is subject to the goals and policies of the Texas Coastal Management Program and must be consistent with the applicable Coastal Management Program goals and policies.

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

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

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

contested case hearing.

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

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

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

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

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

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

AGENCY CONTACTS AND INFORMATION. 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 Energy Transfer GC NGL Fractionators LLC at the address stated above or by calling Ms. Cindy Pate, Environmental Manager, at 281-385-3573.

Issuance Date: December 8, 2023

Comisión de Calidad Ambiental del Estado de Texas



AVISO DE RECEPCIÓN DE LA SOLICITUD Y LA INTENCIÓN DE OBTENER CALIDAD DEL AGUA PERMISO MODIFICACION

PERMISO NO. WQ0005413000

SOLICITUD. Energy Transfer GC NGL Fractionators LLC, 12353 Eagle Pointe Drive, Mont Belvieu, Texas 77535, propietaria de una instalación de procesamiento de gas natural, ha solicitado a la Comisión de Calidad Ambiental de Texas (TCEQ) para modificar el Permiso No. WQ0005413000 (EPA I.D. No. TX0134075) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la eliminación del requisito de prueba de toxicidad total del efluente (WET) y cambiar la muestra de DBO₅ de una muestra aleatoria a una muestra compuesta. La planta está ubicada en el 8790 Farm-to-Market Road 1942, cerca de la ciudad de Mont Belvieu, en el Condado de Chambers, Texas 77521. La TCEQ recibió esta solicitud el día 16 de octubre de 2023. La solicitud para el permiso estará disponible para leerla y copiarla en Sam and Carmena Goss Memorial Branch Library, 1 John Hall Drive, Mont Belvieu, 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=-94.92157,29.843884&level=18>

El Director Ejecutivo de la TCEQ ha revisado esta medida para ver si está de acuerdo con los objetivos y las regulaciones del Programa de Administración Costero de Texas (CMP) de acuerdo con las regulaciones del Consejo Coordinador de la Costa (CCC) y ha determinado que la acción es conforme con las metas y regulaciones pertinentes del CMP.

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

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

OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO CONTENCIOSO.

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

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

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

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

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

También se puede obtener información adicional de Energy Transfer GC NGL Fractionators LLC a la dirección indicada arriba o llamando a Ms. Cyndi Pate, Gerente Ambiental al 281-385-3573.

Fecha de emisión 8 de diciembre de 2023

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

AMENDMENT

Permit No. WQ0005413000

APPLICATION AND PRELIMINARY DECISION. Energy Transfer GC NGL Fractionators LLC, 12353 Eagle Pointe Drive, Mont Belvieu, Texas 77535, which operates MB Frac VII, a natural gas processing facility, has applied to the Texas Commission on Environmental Quality (TCEQ) for a major amendment to their existing Texas Railroad Commission and National Pollutant Discharge Elimination System Permits to combine these two permits into the first time issuance of Texas Pollutant Discharge Elimination System Permit No. WQ0005413000 to remove Whole Effluent Toxicity testing; add the following wastestreams: air dryer condensate, fan cleaning water, emergency showers water, fire water testing and blowdown, and public water supply flushing; and change biochemical oxygen demand, 5-day sampling from grab to flow-weighted composite. The draft permit authorizes the discharge of water treatment wastes, public water system flush water, surface air cooler blow down, air dryer condensate, fan cleaning water, emergency showers water, fire water testing and blowdown, and stormwater runoff at a daily average flow not to exceed 432,000 gallons per day via Outfall 001. The TCEQ received this application on October 16, 2023.

The facility is located at 8790 Farm-to-Market Road 1942, near the City of Baytown, Chambers County, Texas 77521. This link to an electronic map of the site or facility's general location is provided as a public courtesy and is not part of the application or notice. For the exact location, refer to the application.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-94.92157,29.843884&level=18>

The effluent is discharged to an unnamed ditch, thence to Cedar Bayou Above Tidal in Segment No. 0902 of the Trinity-San Jacinto Coastal Basin. The unclassified receiving water use is minimal aquatic life use for the unnamed ditch. The designated uses for Segment No. 0902 are primary contact recreation and high aquatic life use.

In accordance with Title 30 Texas Administrative Code Section 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. A Tier 2 review has preliminarily determined that no significant degradation of water quality is expected in Cedar Bayou Above Tidal, which has been identified as having high aquatic life use. 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 reviewed this action for consistency with the Texas Coastal Management Program (CMP) goals and policies in accordance with the regulations of the General Land Office and has determined that the action is consistent with the applicable CMP goals and policies.

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 Sam and Carmena Goss Memorial Branch Library, 1 John Hall Drive, Mont Belvieu, 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.**

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 Energy Transfer GC NGL Fractionators LLC at the address stated above or by calling Ms. Desiree Crenshaw, Environmental Manager, at 281-576-3617.

Issued: March 31, 2026

COMISIÓN DE CALIDAD AMBIENTAL DE TEXAS



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

MODIFICACIÓN

Permiso No. WQ0005413000

SOLICITUD Y DECISIÓN PRELIMINAR. Energy Transfer GC NGL Fractionators LLC, 12353 Eagle Pointe Drive, Mont Belvieu, Texas 77535, la cual opera MB Frac VII, una instalación de procesamiento de gas natural, ha solicitado a la Comisión de Calidad Ambiental de Texas (TCEQ) una modificación mayor de los existentes Permisos de la Comisión Ferroviaria de Texas y del Sistema Nacional de Eliminación de Descargas de Contaminantes para combinar estos dos permisos en la emisión inicial del Permiso No. WQ0005413000 del Sistema de Eliminación de Descargas de Contaminantes de Texas, con el fin de eliminar las pruebas de toxicidad del efluente total; incorporar los siguientes flujos de residuos: condensado de secadores de aire, agua de limpieza de ventiladores, agua de duchas de emergencia, agua de pruebas y purgas del sistema contra incendios, y agua de purga del suministro público; y modificar el muestreo de la demanda bioquímica de oxígeno a 5 días, pasando de muestra puntual a muestra compuesta ponderada por flujo. El borrador del permiso autoriza la descarga de residuos del tratamiento de agua, agua de purga del sistema público de abastecimiento, purga de enfriadores de aire de superficie, condensado de secadores de aire, agua de limpieza de ventiladores, agua de duchas de emergencia, agua de pruebas y purga del sistema contra incendios, y escorrentía pluvial, con un flujo promedio diario que no exceda los 432,000 galones por día, a través del Desagüe 001. La TCEQ recibió esta solicitud el 16 de octubre de 2023.

La instalación está ubicada en 8790 Farm-to-Market Road 1942, cerca de la Ciudad de Baytown, Condado de Chambers, Texas 77521. Este enlace a un mapa electrónico de la ubicación general del sitio o instalación se proporciona como cortesía pública y no forma parte de la solicitud o aviso. Para conocer la ubicación exacta, consulte la solicitud.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-94.92157,29.843884&level=18>

El efluente se descarga en una zanja sin nombre, después en el Cedar Bayou Above Tidal, en el Segmento No. 0902 de la Cuenca Costera Trinity-San Jacinto. El uso de las aguas receptoras no clasificado corresponde al uso mínimo de vida acuática para la zanja sin nombre. Los usos designados para el Segmento No. 0902 son la recreación de contacto primario y el uso elevado de vida acuática.

De acuerdo con 30 Código Administrativo de Texas Sección 307.5 y los *Procedimientos de la TCEQ para implementar los Estándares de Calidad del Agua Superficial de Texas* (junio de 2010), se realizó una revisión antidegradación de las aguas receptoras. Una revisión antidegradación de Nivel 1 ha determinado preliminarmente que los usos existentes de la calidad del agua no se verán afectados por esta acción de permiso. Se mantendrán criterios numéricos y narrativos para proteger los usos existentes. Una revisión de Nivel 2 ha determinado preliminarmente que no se espera una degradación significativa de la calidad del agua en Cedar Bayou Above Tidal, que ha sido identificado por tener usos elevados de la vida acuática. Los usos existentes se mantendrán y protegerán. La determinación preliminar puede reexaminarse y modificarse si se recibe nueva información.

El Director Ejecutivo de la TCEQ revisó esta acción para determinar la coherencia con las metas y políticas del Programa de Manejo Costero de Texas (CMP) de acuerdo con las regulaciones de la Oficina General de Tierras y ha determinado que la acción es consistente con las metas y políticas del CMP aplicables.

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 la Biblioteca Sucursal Sam and Carmena Goss Memorial, 1 John Hall Drive, Mont Belvieu, Texas.

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

COMENTARIO PÚBLICO / REUNIÓN PÚBLICA. Puede enviar comentarios públicos o solicitar 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. **La respuesta a los comentarios y la decisión del Director Ejecutivo sobre la solicitud serán enviados por correo a todos los que presentaron un comentario público y a las personas que están en la lista para recibir avisos sobre esta solicitud. Si se reciben comentarios, el aviso también proveerá instrucciones para pedir una reconsideración de la decisión del Director Ejecutivo y para pedir una audiencia administrativa de lo contencioso.** Una audiencia administrativa de lo contencioso es un procedimiento legal similar a un procedimiento legal civil en un tribunal de distrito del estado.

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

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

La Comisión sólo puede conceder una solicitud de una audiencia de caso impugnado sobre los temas que el solicitante haya presentado en sus comentarios oportunos que no fueron retirados posteriormente. **Si se concede una audiencia, el tema de la audiencia estará limitado a cuestiones de hecho en disputa o cuestiones mixtas de hecho y de derecho relacionadas a intereses pertinentes y materiales de calidad del agua que se hayan presentado durante el período de comentarios.**

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

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

Todos los comentarios públicos por escrito y los pedidos de reuniones públicas deben enviarse a la Oficina del Secretario Principal, MC 105, Comisión de Calidad Ambiental de Texas, P.O. Box 13087, Austin, TX 78711-3087 o electrónicamente en <https://www.tceq.texas.gov/goto/comment> 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 <https://www.tceq.texas.gov/goto/cid>. Busque en la base de datos utilizando el número de permiso para esta solicitud, que se proporciona en la parte superior de este aviso.

CONTACTOS E INFORMACIÓN DE LA AGENCIA. Los comentarios y solicitudes públicas deben enviarse electrónicamente a <https://www.tceq.texas.gov/goto/comment>, o por escrito a 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 <https://www.tceq.texas.gov/agency/decisions/participation/permitting-participation>. Si desea información en español, puede llamar al 1-800-687-4040.

También se puede obtener más información de Energy Transfer GC NGL Fractionators LLC en la dirección indicada anteriormente o llamando a la Srta. Desiree Crenshaw, Gerente Ambiental, al 281-576-3671.

Fecha de expedición: 31 de marzo de 2026



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

TPDES PERMIT NO.
WQ0005413000
*[For TCEQ office use only -
EPA I.D. No. TX0134075]*

This major amendment replaces the existing EPA NPDES Permit No. TX0134075 issued on July 17, 2019 and RRC Permit No. 01135 issued on July 26, 2019. This is the first-time issuance of TPDES Permit No. WQ0005413000, which combines the existing EPA and RRC permits.

Energy Transfer GC NGL Fractionators LLC

whose mailing address is

12353 Eagle Pointe Drive
Mont Belvieu, Texas 77535

is authorized to treat and discharge wastes from MB Frac VII, fractionation of natural gas liquids (SIC 1321)

located at 8790 Farm-to-Market Road 1942, near the City of Baytown, Chambers County, Texas 77521

to an unnamed ditch, thence to Cedar Bayou Above Tidal in Segment No. 0902 of the Trinity-San Jacinto Coastal 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, public water system flush water, surface air cooler blow down, air dryer condensate, fan cleaning water, emergency showers water, fire water testing and blowdown, public water supply flushing, and stormwater runoff subject to the following effluent limitations:

Volume: Intermittent and flow-variable.

Effluent Characteristics	Discharge Limitations				Minimum Self-Monitoring Requirements		
	Daily Average		Daily Maximum		Single Grab	Report Daily Average and Daily Maximum Measurement Frequency	Sample Type
	lbs/day	mg/L	lbs/day	mg/L	mg/L		
Flow	Report, MGD		Report, MGD		N/A	Daily	Record
Biochemical Oxygen Demand, 5-day	72.06	20	108.09	30	30	2/month ^{1, 2}	Composite
Total Suspended Solids	N/A	20	N/A	30	30	1/month ^{1, 2}	Grab
Total Residual Chlorine	N/A	N/A	N/A	0.011	0.011	2/month ^{1, 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 2/month^{1, 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, southwest of Frac VII at the discharge from the final treatment unit prior to the existing drainage ditch.

¹ For any monitoring period, samples shall be taken at least seven days from the first sample of the previous monitoring period.

² When discharging.

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 *n*th root of the product of all measurements made in a calendar month, where *n* equals the number of measurements made; or computed as the antilogarithm of the arithmetic mean of the logarithms of all measurements made in a calendar month. For any measurement of bacteria equaling zero, a substitute value of one shall be made for input into either computation method. If specified, the 7-day average for bacteria is the geometric mean of the values for all effluent samples collected during a calendar week.
- f. Daily average loading (lbs/day) - the arithmetic average of all daily discharge loading calculations during a period of one calendar month. These calculations must be made for each day of the month that a parameter is analyzed. The daily discharge, in terms of mass (lbs/day), is calculated as (Flow, MGD × Concentration, mg/L × 8.34).
- g. Daily maximum loading (lbs/day) - the highest daily discharge, in terms of mass (lbs/day), within a period of one calendar month.

3. Sample Type

- a. Composite sample - For domestic wastewater, a composite sample is a sample made up of a minimum of three effluent portions collected in a continuous 24-hour period or during the period of daily discharge if less than 24 hours, and combined in volumes proportional to flow, and collected at the intervals required by 30 TAC §319.9(a). For industrial wastewater, a composite sample is a sample made up of a minimum of three effluent portions collected in a continuous 24-hour period or during the period of daily discharge if less than 24 hours, and combined in volumes proportional to flow, and collected at the intervals required by 30 TAC §319.9(c).
 - b. Grab sample - an individual sample collected in less than 15 minutes.
4. Treatment Facility (facility) - wastewater facilities used in the conveyance, storage, treatment, recycling, reclamation or disposal of domestic sewage, industrial wastes, agricultural wastes, recreational wastes, or other wastes including sludge handling or disposal facilities under the jurisdiction of the Commission.
 5. The term “sewage sludge” is defined as solid, semi-solid, or liquid residue generated during the treatment of domestic sewage in 30 TAC Chapter 312. This includes the solids that have not been classified as hazardous waste separated from wastewater by unit processes.
 6. Bypass - the intentional diversion of a waste stream from any portion of a treatment facility.

MONITORING AND REPORTING REQUIREMENTS

1. Self-Reporting

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

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

2. Test Procedures

- a. Unless otherwise specified in this permit, test procedures for the analysis of pollutants shall comply with procedures specified in 30 TAC §§319.11 - 319.12. Measurements, tests, and calculations shall be accurately accomplished in a representative manner.
- b. All laboratory tests submitted to demonstrate compliance with this permit must meet the requirements of 30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification.

3. Records of Results

- a. Monitoring samples and measurements shall be taken at times and in a manner so as to be representative of the monitored activity.
- b. Except for records of monitoring information required by this permit related to the permittee's sewage sludge use and disposal activities, which shall be retained for a period of at least five years (or longer as required by 40 CFR Part 503), monitoring and reporting records, including strip charts and records of calibration and maintenance, copies of all records required by this permit, records of all data used to complete the application for this permit, and the certification required by 40 CFR §264.73(b)(9) shall be retained at the facility site, or shall be readily available for review by a TCEQ representative for a period of three years from the date of the record or sample, measurement, report, application or certification. This period shall be extended at the request of the Executive Director.
- c. Records of monitoring activities shall include the following:
 - i. date, time, and place of sample or measurement;
 - ii. identity of individual who collected the sample or made the measurement;
 - iii. date and time of analysis;
 - iv. identity of the individual and laboratory who performed the analysis;
 - v. the technique or method of analysis; and
 - vi. the results of the analysis or measurement and quality assurance/quality control records.

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

4. Additional Monitoring by Permittee

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

5. Calibration of Instruments

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

6. Compliance Schedule Reports

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

7. Noncompliance Notification

- a. In accordance with 30 TAC §305.125(9) any noncompliance that may endanger human health or safety, or the environment shall be reported by the permittee to the TCEQ. Report of such information shall be provided orally or by facsimile transmission (FAX) to the regional office within 24 hours of becoming aware of the noncompliance. A written submission of such information shall also be provided by the permittee to the regional office and the Enforcement Division (MC 224) within five working days of becoming aware of the noncompliance. For Publicly Owned Treatment Works (POTWs), effective September 1, 2020, the permittee must submit the written report for unauthorized discharges and unanticipated bypasses that exceed any effluent limit in the permit using the online electronic reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver. The written submission shall contain a description of the noncompliance and its cause; the potential danger to human health or safety, or the environment; the period of noncompliance, including exact dates and times; if the noncompliance has not been corrected, the time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance, and to mitigate its adverse effects.
- b. The following violations shall be reported under Monitoring and Reporting Requirement 7.a.:
 - i. unauthorized discharges as defined in Permit Condition 2(g).
 - ii. any unanticipated bypass that exceeds any effluent limitation in the permit.
 - iii. violation of a permitted maximum daily discharge limitation for pollutants listed specifically in the Other Requirements section of an Industrial TPDES permit.
- c. In addition to the above, any effluent violation that deviates from the permitted effluent limitation by more than 40% shall be reported by the permittee in writing to the regional office and the Enforcement Division (MC 224) within 5 working days of becoming aware of the noncompliance.
- d. Any noncompliance other than that specified in this section, or any required information not submitted or submitted incorrectly, shall be reported to the Enforcement Division (MC 224) as promptly as possible. For effluent limitation violations, noncompliances shall be reported on the approved self-report form.

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

9. Changes in Discharges of Toxic Substances

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

- a. That any activity has occurred or will occur that would result in the discharge, on a routine or frequent basis, of any toxic pollutant listed at 40 CFR Part 122, Appendix D, Tables II and III (excluding Total Phenols) that is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
 - i. one hundred micrograms per liter (100 µg/L);
 - ii. two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
 - iii. five (5) times the maximum concentration value reported for that pollutant in the permit application; or
 - iv. the level established by the TCEQ.

- b. That any activity has occurred or will occur that would result in any discharge, on a nonroutine or infrequent basis, of a toxic pollutant that is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
 - i. five hundred micrograms per liter (500 µg/L);
 - ii. one milligram per liter (1 mg/L) for antimony;
 - iii. ten (10) times the maximum concentration value reported for that pollutant in the permit application; or
 - iv. the level established by the TCEQ.

10. Signatories to Reports

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

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

- a. any new introduction of pollutants into the POTW from an indirect discharger that would be subject to CWA §301 or §306 if it were directly discharging those pollutants;
- b. any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of issuance of the permit; and
- c. for the purpose of this paragraph, adequate notice shall include information on:
 - i. the quality and quantity of effluent introduced into the POTW; and
 - ii. any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW.

PERMIT CONDITIONS

1. General

- a. When the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in an application or in any report to the Executive Director, it shall promptly submit such facts or information.
- b. This permit is granted on the basis of the information supplied and representations made by the permittee during action on an application, and relying upon the accuracy and completeness of that information and those representations. After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked, in whole or in part, in accordance with 30 TAC Chapter 305, Subchapter D, during its term for good cause including, but not limited to, the following:
 - i. violation of any terms or conditions of this permit;
 - ii. obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
 - iii. a change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.
- c. The permittee shall furnish to the Executive Director, upon request and within a reasonable time, any information to determine whether cause exists for amending, revoking, suspending, or terminating the permit. The permittee shall also furnish to the Executive Director, upon request, copies of records required to be kept by the permit.

2. Compliance

- a. Acceptance of the permit by the person to whom it is issued constitutes acknowledgment and agreement that such person will comply with all the terms and conditions embodied in the permit, and the rules and other orders of the Commission.
- b. The permittee has a duty to comply with all conditions of the permit. Failure to comply with any permit condition constitutes a violation of the permit and the Texas Water Code or the Texas Health and Safety Code, and is grounds for enforcement action, for permit amendment,

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

- c. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit.
- d. The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal or other permit violation that has a reasonable likelihood of adversely affecting human health or the environment.
- e. Authorization from the Commission is required before beginning any change in the permitted facility or activity that may result in noncompliance with any permit requirements.
- f. A permit may be amended, suspended and reissued, or revoked for cause in accordance with 30 TAC §§305.62 and 305.66 and TWC §7.302. The filing of a request by the permittee for a permit amendment, suspension and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.
- g. There shall be no unauthorized discharge of wastewater or any other waste. For the purpose of this permit, an unauthorized discharge is considered to be any discharge of wastewater into or adjacent to water in the state at any location not permitted as an outfall or otherwise defined in the Other Requirements section of this permit.
- h. In accordance with 30 TAC §305.535(a), the permittee may allow any bypass to occur from a TPDES permitted facility that does not cause permitted effluent limitations to be exceeded or an unauthorized discharge to occur, but only if the bypass is also for essential maintenance to assure efficient operation.
- i. The permittee is subject to administrative, civil, and criminal penalties, as applicable, under Texas Water Code §§7.051 - 7.075 (relating to Administrative Penalties), 7.101 - 7.111 (relating to Civil Penalties), and 7.141 - 7.202 (relating to Criminal Offenses and Penalties) for violations including, but not limited to, negligently or knowingly violating the federal CWA §§301, 302, 306, 307, 308, 318, or 405, or any condition or limitation implementing any sections in a permit issued under the CWA §402, or any requirement imposed in a pretreatment program approved under the CWA §§402(a)(3) or 402(b)(8).

3. Inspections and Entry

- a. Inspection and entry shall be allowed as prescribed in the TWC Chapters 26, 27, and 28, and THSC Chapter 361.
- b. The members of the Commission and employees and agents of the Commission are entitled to enter any public or private property at any reasonable time for the purpose of inspecting and investigating conditions relating to the quality of water in the state or the compliance with any rule, regulation, permit, or other order of the Commission. Members, employees, or agents of the Commission and Commission contractors are entitled to enter public or private property at any reasonable time to investigate or monitor or, if the responsible party is not responsive or there is an immediate danger to public health or the environment, to remove or remediate a condition related to the quality of water in the state. Members, employees, Commission contractors, or agents acting under this authority who enter private property shall observe the establishment's rules and regulations concerning safety, internal security, and fire protection, and if the property has management in residence, shall notify management or the person then in charge of his presence and shall exhibit proper credentials. If any member, employee, Commission contractor, or agent is refused the right to enter in or on public or private property under this authority, the Executive Director may invoke the remedies authorized in TWC §7.002. The statement above, that Commission entry shall occur in accordance with an establishment's rules and regulations concerning safety, internal security, and fire protection, is not grounds for denial or restriction of entry to any part of the facility, but merely describes the Commission's duty to observe appropriate rules and regulations during an inspection.

4. Permit Amendment or Renewal

- a. The permittee shall give notice to the Executive Director as soon as possible of any planned physical alterations or additions to the permitted facility if such alterations or additions would require a permit amendment or result in a violation of permit requirements. Notice shall also be required under this paragraph when:
 - i. the alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in accordance with 30 TAC §305.534 (relating to New Sources and New Dischargers); or
 - ii. the alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants that are subject neither to effluent limitations in the permit, nor to notification requirements in Monitoring and Reporting Requirements No. 9; or
 - iii. the alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.
- b. Prior to any facility modifications, additions, or expansions that will increase the plant capacity beyond the permitted flow, the permittee must apply for and obtain proper authorization from the Commission before commencing construction.
- c. The permittee must apply for an amendment or renewal at least 180 days prior to expiration of the existing permit in order to continue a permitted activity after the expiration date of the permit. If an application is submitted prior to the expiration date of the permit, the existing permit shall remain in effect until the application is approved, denied, or returned. If the application is returned or denied, authorization to continue such activity shall terminate upon the effective date of the action. If an application is not submitted prior to the expiration date of the permit, the permit shall expire and authorization to continue such activity shall terminate.
- d. Prior to accepting or generating wastes that are not described in the permit application or that would result in a significant change in the quantity or quality of the existing discharge, the permittee must report the proposed changes to the Commission. The permittee must apply for a permit amendment reflecting any necessary changes in permit conditions, including effluent limitations for pollutants not identified and limited by this permit.
- e. In accordance with the TWC §26.029(b), after a public hearing, notice of which shall be given to the permittee, the Commission may require the permittee, from time to time, for good cause, in accordance with applicable laws, to conform to new or additional conditions.
- f. If any toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is promulgated under CWA §307(a) for a toxic pollutant that is present in the discharge and that standard or prohibition is more stringent than any limitation on the pollutant in this permit, this permit shall be modified or revoked and reissued to conform to the toxic effluent standard or prohibition. The permittee shall comply with effluent standards or prohibitions established under CWA §307(a) for toxic pollutants within the time provided in the regulations that established those standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.

5. Permit Transfer

- a. Prior to any transfer of this permit, Commission approval must be obtained. The Commission shall be notified in writing of any change in control or ownership of facilities authorized by this permit. Such notification should be sent to the Applications Review and Processing Team (MC 148) of the Water Quality Division.
- b. A permit may be transferred only according to the provisions of 30 TAC §305.64 (relating to Transfer of Permits) and 30 TAC §50.133 (relating to Executive Director Action on Application or WQMP update).

6. Relationship to Hazardous Waste Activities

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

7. Relationship to Water Rights

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

8. Property Rights

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

9. Permit Enforceability

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

10. Relationship to Permit Application

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

11. Notice of Bankruptcy.

- a. Each permittee shall notify the Executive Director, in writing, immediately following the filing of a voluntary or involuntary petition for bankruptcy under any chapter of Title 11 (Bankruptcy) of the United States Code (11 USC) by or against:
 - i. the permittee;
 - ii. an entity (as that term is defined in 11 USC, §101(15)) controlling the permittee or listing the permit or permittee as property of the estate; or
 - iii. an affiliate (as that term is defined in 11 USC, §101(2)) of the permittee.
- b. This notification must indicate:
 - i. the name of the permittee;
 - ii. the permit number(s);
 - iii. the bankruptcy court in which the petition for bankruptcy was filed; and
 - iv. the date of filing of the petition.

OPERATIONAL REQUIREMENTS

1. The permittee shall at all times ensure that the facility and all of its systems of collection, treatment, and disposal are properly operated and maintained. This includes, but is not limited to, the regular, periodic examination of wastewater solids within the treatment plant by the operator in order to maintain an appropriate quantity and quality of solids inventory as described in the various operator training manuals and according to accepted industry standards for process control. Process control, maintenance, and operations records shall be retained at the facility site, or shall be readily available for review by a TCEQ representative, for a period of three years.
2. Upon request by the Executive Director, the permittee shall take appropriate samples and provide proper analysis in order to demonstrate compliance with Commission rules. Unless otherwise specified in this permit or otherwise ordered by the Commission, the permittee shall comply with all applicable provisions of 30 TAC Chapter 312 concerning sewage sludge use and disposal and 30 TAC §§319.21 - 319.29 concerning the discharge of certain hazardous metals.

3. Domestic wastewater treatment facilities shall comply with the following provisions:
 - a. The permittee shall notify the Municipal Permits Team, Wastewater Permitting Section (MC 148) of the Water Quality Division, in writing, of any facility expansion at least 90 days prior to conducting such activity.
 - b. The permittee shall submit a closure plan for review and approval to the Municipal Permits Team, Wastewater Permitting Section (MC 148) of the Water Quality Division, for any closure activity at least 90 days prior to conducting such activity. Closure is the act of permanently taking a waste management unit or treatment facility out of service and includes the permanent removal from service of any pit, tank, pond, lagoon, surface impoundment or other treatment unit regulated by this permit.
4. The permittee is responsible for installing prior to plant start-up, and subsequently maintaining, adequate safeguards to prevent the discharge of untreated or inadequately treated wastes during electrical power failures by means of alternate power sources, standby generators, or retention of inadequately treated wastewater.
5. Unless otherwise specified, the permittee shall provide a readily accessible sampling point and, where applicable, an effluent flow measuring device or other acceptable means by which effluent flow may be determined.
6. The permittee shall remit an annual water quality fee to the Commission as required by 30 TAC Chapter 21. Failure to pay the fee may result in revocation of this permit under TWC §7.302(b)(6).
7. Documentation

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

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

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

- b. The plans and specifications for domestic sewage collection and treatment works associated with any domestic permit must be approved by the Commission, and failure to secure approval before commencing construction of such works or making a discharge is a violation of this permit and each day is an additional violation until approval has been secured.
 - c. Permits for domestic wastewater treatment plants are granted subject to the policy of the Commission to encourage the development of area-wide waste collection, treatment, and disposal systems. The Commission reserves the right to amend any domestic wastewater permit in accordance with applicable procedural requirements to require the system covered by this permit to be integrated into an area-wide system, should such be developed; to require the delivery of the wastes authorized to be collected in, treated by or discharged from said system, to such area-wide system; or to amend this permit in any other particular to effectuate the Commission's policy. Such amendments may be made when the changes required are advisable for water quality control purposes and are feasible on the basis of waste treatment technology, engineering, financial, and related considerations existing at the time the changes are required, exclusive of the loss of investment in or revenues from any then existing or proposed waste collection, treatment or disposal system.
9. Domestic wastewater treatment plants shall be operated and maintained by sewage plant operators holding a valid certificate of competency at the required level as defined in 30 TAC Chapter 30.
 10. For Publicly Owned Treatment Works (POTWs), the 30-day average (or monthly average) percent removal for BOD and TSS shall not be less than 85%, unless otherwise authorized by this permit.
 11. Facilities that generate industrial solid waste as defined in 30 TAC §335.1 shall comply with these provisions:
 - a. Any solid waste, as defined in 30 TAC §335.1 (including but not limited to such wastes as garbage, refuse, sludge from a waste treatment, water supply treatment plant or air pollution control facility, discarded materials, discarded materials to be recycled, whether the waste is solid, liquid, or semisolid), generated by the permittee during the management and treatment of wastewater, must be managed in accordance with all applicable provisions of 30 TAC Chapter 335, relating to Industrial Solid Waste Management.
 - b. Industrial wastewater that is being collected, accumulated, stored, or processed before discharge through any final discharge outfall, specified by this permit, is considered to be industrial solid waste until the wastewater passes through the actual point source discharge and must be managed in accordance with all applicable provisions of 30 TAC Chapter 335.
 - c. The permittee shall provide written notification, pursuant to the requirements of 30 TAC §335.8(b)(1), to the Corrective Action Section (MC 127) of the Remediation Division informing the Commission of any closure activity involving an Industrial Solid Waste Management Unit, at least 90 days prior to conducting such an activity.
 - d. Construction of any industrial solid waste management unit requires the prior written notification of the proposed activity to the Registration and Reporting Section (MC 129) of the Permitting and Remediation Support Division. No person shall dispose of industrial solid waste, including sludge or other solids from wastewater treatment processes, prior to fulfilling the deed recordation requirements of 30 TAC §335.5.
 - e. The term "industrial solid waste management unit" means a landfill, surface impoundment, waste-pile, industrial furnace, incinerator, cement kiln, injection well, container, drum, salt dome waste containment cavern, or any other structure vessel, appurtenance, or other improvement on land used to manage industrial solid waste.
 - f. The permittee shall keep management records for all sludge (or other waste) removed from any wastewater treatment process. These records shall fulfill all applicable requirements of 30 TAC Chapter 335 and must include the following, as it pertains to wastewater treatment and discharge:
 - i. volume of waste and date(s) generated from treatment process;
 - ii. volume of waste disposed of on-site or shipped off-site;
 - iii. date(s) of disposal;

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

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

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

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OTHER REQUIREMENTS

1. Violations of daily maximum limitations for the following pollutants shall be reported orally or by facsimile to TCEQ Region 12 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 12 and Compliance Monitoring Team (MC 224): None.
2. The Executive Director reviewed this action for consistency with the goals and policies of the Texas Coastal Management Program (CMP) in accordance with the regulations of the General Land Office and determined that the action is consistent with the applicable CMP goals and policies.

3. **COOLING WATER INTAKE STRUCTURE REQUIREMENTS**

The permittee shall provide written notification to the TCEQ Industrial Permits Team (MC 148) and Region 12 Office of any changes in the method by which the facility obtains water for cooling purposes. This notification must be submitted 30 days prior to any such change and must include a description of the planned changes. The TCEQ may, upon review of the notification, reopen the permit to include additional terms and conditions as necessary.

4. There is no mixing zone established for this discharge to an intermittent stream. Acute toxic criteria apply at the point of discharge.
5. This permit does not authorize the discharge of domestic wastewater. All domestic wastewater must be disposed of in an approved manner, such as routing to an approved on-site septic tank and drainfield system or to an authorized third party for treatment and disposal.
6. Products containing chromium and zinc will be prohibited from use as additives to the utility waters.
7. 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.
8. The permittee must develop and implement a stormwater pollution prevention plan (SWP3) that includes a set of best management practices (BMPs) to eliminate or lessen the exposure of stormwater to industrial activities and pollutants. The SWP3 must be maintained on site and be made readily available for review by authorized TCEQ personnel. The SWP3 must contain elements, or sections, to require implementation of the following activities:
 - A. Good Housekeeping Measures - Activities must be defined and implemented to ensure areas of the facility that either contribute or potentially contribute pollutants to stormwater discharges are maintained and operated in a clean and orderly manner. The frequency for conducting each of the good housekeeping measures must be defined in the SWP3.
 - B. Spill Prevention and Response Measures Areas must be identified where spills would likely contribute pollutants to stormwater discharges. Procedures must be identified and implemented to minimize or prevent contamination of stormwater from spills. Spill cleanup techniques must be identified and the necessary materials and equipment for cleanup made available to facility personnel. Facility personnel that work in the identified areas must be trained in spill prevention and response measures at a minimum frequency of once per year. A record of employee training must be maintained on a minimum frequency of once per year, maintained on site, and be made readily available for inspection by authorized TCEQ personnel upon request.

The SWP3 may be modified at any time in order to implement either additional or more effective pollution control measures. A summary of revisions, including the dates of the revisions, must be maintained on a quarterly basis, maintained as a part of the SWP3 document, and made readily available for inspection by authorized TCEQ personnel upon request.

Qualified personnel, who are familiar with the industrial activities performed at the facility, must conduct monthly inspections to determine the effectiveness of the Good Housekeeping Measures, Spill Prevention and Response Measures, Best Management Practices, and the Employee Training Program. The results of inspections must be documented in an inspection summary report; include an assessment for any necessary revisions or additional measures to increase effectiveness of the SWP3; and include a time frame for implementation of any follow up actions. The summary report must be maintained on site and be made readily available for inspection by authorized TCEQ personnel upon request.

9. This permit is an authorization to discharge into surface waters in the state. Other activities onsite - operation of petroleum caverns, etc. remain under the Railroad Commission of Texas (RRC) jurisdiction.

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

DESCRIPTION OF APPLICATION

Applicant: Energy Transfer GC NGL Fractionators LLC; Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0005413000 (EPA I.D. No. TX0134075)

Regulated activity: Industrial wastewater permit

Type of application: Major amendment with renewal

Request: Major amendment with renewal to the existing National Pollutant Discharge Elimination System (NPDES) and Texas Railroad Commission (RRC) permits and combining these two permits into this first-time issuance of TPDES Permit No. WQ0005413000 to remove Whole Effluent Toxicity (WET) testing; add the following wastestreams: air dryer condensate, fan cleaning water, emergency showers water, fire water testing and blowdown, and public water supply (PWS) flushing; and change biochemical oxygen demand, 5-day (BOD₅) sampling from grab to flow-weighted composite

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 an amendment of its existing RRC and NPDES permits to combine these two permits into the first-time issuance of TPDES Permit No. WQ0005413000. The proposed amendment would authorize removal of WET testing; add the following wastestreams: air dryer condensate, fan cleaning water, emergency showers water, fire water testing and blowdown, and PWS flushing; and change BOD₅ sampling from grab to flow-weighted composite.

PROJECT DESCRIPTION AND LOCATION

The applicant currently operates Mont Belvieu Fractionator VII, a natural gas processing facility.

The wastewater system utilizes water from the Coastal Water Authority (CWA) canal to supply water to various units. The water undergoes initial clarification and disinfection when brought into the facility. A Reverse Osmosis (RO) unit is also used to treat this water prior to utilization in the amine system associated with Frac VII (facility). The combined flow from the facility is approximately 436,320 gpd of RO concentrate discharged to the Wet Surface Air Cooling (WSAC) blowdown stream. WSAC blowdown, along with RO reject water, gravity flows to the on-site detention pond prior to discharge through permitted Outfall 001. Anti-Foaming agents are added on an as needed basis, to the basin of the WSAC from Frac VII to prevent the discharge of foam from Outfall 001. Carbon dioxide (CO₂) is added at the inlet of the pond and at the outfall from the facility for pH adjustment. ChemTreat BL124 is added at the Refrig and Reflux WSAC blowdown flow from a 540-gallon tank to

STATEMENT OF BASIS / TECHNICAL SUMMARY AND
EXECUTIVE DIRECTOR'S PRELIMINARY DECISION
TPDES Permit No. WQ0005413000

remove the chlorine. At the pond inlet, there is one 5,000-liter CO₂ tank. The spargers are installed at the inlet of the pond. These units are manually controlled. At the pond outlet, there is a 5,000-liter tank, a vapor heater, and pH control skid that takes liquid carbon dioxide, vaporize it, mix it with water from the pond in a static mixer, and inject the solution back into the pond through a diffuser. CO₂ supply to the static mixer is automatically controlled using a pH probe reading from the outfall flow. Domestic sewage treatment and disposal is provided by an on-site aerobic sewage facility.

The facility is located at 8790 Farm-to-Market Road 1942, near the City of Baytown, Chambers County, Texas 77521.

Discharge Route and Designated Uses

The effluent is discharged to an unnamed ditch, thence to Cedar Bayou Above Tidal in Segment No. 0902 of the Trinity-San Jacinto Coastal Basin. The unclassified receiving water use is minimal aquatic life use for the unnamed ditch. The designated uses for Segment No. 0902 are primary contact recreation 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 TAC §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. A Tier 2 review has preliminarily determined that no significant degradation of water quality is expected in Cedar Bayou Above Tidal, which has been identified as having high aquatic life use. Existing uses will be maintained and protected. The preliminary determination can be reexamined and may be modified if new information is received.

Endangered Species Review

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

Impaired Water Bodies

Segment No. 0902 is currently listed on the state's inventory of impaired and threatened waters, the 2022 CWA §303(d) list. The listing is for bacteria in water and depressed dissolved oxygen from a point 2.2 km (1.4 mi) upstream of Interstate Highway 10 in Chambers/Harris County to a point 7.4 km (4.6 mi) upstream of Farm -to-Market 1960 in Liberty County (Assessment Unit 0902_01). The proposed technology-based effluent limit corresponds to the same loading of oxygen-demanding constituents to the segment as the existing authorization. Therefore, this permit action does not represent an increase in oxygen-demanding constituents to Segment No. 0902 and is not expected to further contribute to the dissolved oxygen impairment.

Completed Total Maximum Daily Loads (TMDLs)

There are no completed TMDLs for Segment No. 0902.

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Dissolved Oxygen (DO)

A dissolved oxygen analysis of the referenced discharge was conducted using a default QUAL-TX model and the calibrated QUAL-TX model originally developed for the *Waste Load Evaluation for Dissolved Oxygen in Cedar Bayou in the Trinity-San Jacinto Coastal Basin* (1998) for an effluent flow of 0.432 MGD. Based on model results, the technology-based effluent limit of 72.06 lbs/day BOD₅, modeled with 0.5 mg/L ammonia-nitrogen NH₃-N and 2.0 mg/L DO, is predicted to be adequate to maintain DO levels above the criterion stipulated by the Standards Implementation Team for the unnamed ditch (2.0 mg/L).

SUMMARY OF EFFLUENT DATA

The following is a quantitative description of the discharge described in the monthly effluent report data for the period May 2020 through April 2025. 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 millions of 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	0.423	4.09

Effluent Characteristics

Outfall	Pollutant	Avg of Daily Avg		Max of Daily Max	
		lbs/day	mg/L	lbs/day	mg/L
001	BOD ₅	16.0	4.94	945	154
	Total Residual Chlorine (TRC)	-	-	-	2.20
	pH, Standard Units (SU)	6.44 SU, minimum		10.0 SU	

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	BOD ₅ (mg/L)	6/2020	-	-	40	42.4
		11/2022	20	40.3		154
	BOD ₅ (lbs/day)	12/2020	-	-	108.09	120
		11/2022	72.06	245		945
	TRC (mg/L)	5/2020	-	-	0.011	0.16
		11/2020	-	-		1.67
		1/2021	-	-		2.2
		2/2021	-	-		0.2
		3/2021	-	-		1.35
		4/2021	-	-		0.3
		6/2021	-	-		0.06
		7/2021	-	-		0.05
		8/2021	-	-		0.18
		11/2022	-	-		0.07
12/2022		-	-	0.04		

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Effluent Limitation Violations

Outfall	Pollutant (units)	Report Date	Daily Average		Daily Maximum	
			Limit	Reported	Limit	Reported
001	TRC (mg/L)	4/2023	-	-	0.011	0.11
	pH (SU)	5/2020	-	-	9.0	9.8
		6/2020	-	-		9.18
		8/2020	-	-		10.0
		10/2020	-	-		9.95
		12/2020	-	-		9.19
		1/2021	-	-		9.73
		2/2021	-	-		9.38
		3/2021	-	-		9.87
		5/2021	-	-		9.42
		6/2021	-	-		9.22
		7/2021	-	-		9.23
		8/2021	-	-		9.29

The draft permit was not changed to address these effluent limit violations because of the permittee's responses to these issues:

- BOD₅ By being granted the change from grab samples to the twenty-four hour composite sampling a more accurate result will be given.
- TRC Changed testing method to HACH AT100 which is more accurate than the previous testing method. A project is being worked to automate the sodium bisulfite in 2025.
- pH The cause was determined to be from stabilized sand in construction due to Portland cement content did not fully cure and entered the drainage system. Treatment with CO₂ to reduce the pH has also been introduced.

REASONABLE POTENTIAL (RP) DETERMINATION

A reasonable potential determination was performed in accordance with 40 CFR §122.44(d)(1)(ii) to determine whether the discharge will reasonably be expected to cause or contribute to an exceedance of a state water quality standard or criterion within that standard. Each test species is evaluated separately. The RP determination is based on representative data from the previous three years of WET testing. This determination was performed in accordance with the methodology outlined in the TCEQ letter to the EPA dated December 28, 2015, and approved by the EPA in a letter dated December 28, 2015.

With zero failures, a determination of no RP was made, and the WET testing requirements may be removed. While the existing EPA permit had biomonitoring requirements, discharges authorized by this draft permit do not meet the threshold established in the *Procedures to Implement the Texas Surface Water Quality Standards (RG-194)* to impose biomonitoring requirements. This facility is classified as an EPA minor facility. As all discharges are not treated process wastewater, the major amendment request was supported as discharges authorized in 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 and the anti-degradation review also determined no significant degradation of water quality is expected in Cedar Bayou Above Tidal. This change meets anti-backsliding 40 CFR § 122.44(l).

DRAFT PERMIT CONDITIONS

The draft permit authorizes the discharge of water treatment wastes, public water system flush water,

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surface air cooler blow down, air dryer condensate, fan cleaning water, emergency showers water, fire water testing and blowdown, PWS flushing, and stormwater runoff at a daily average flow not to exceed 0.432 MGD via Outfall 001.

Effluent limitations are established in the draft permit as follows:

Outfall	Pollutant	Avg of Daily Avg		Max of Daily Max	
		lbs/day	mg/L	lbs/day	mg/L
001	Flow	Report, MGD		Report, MGD	
	BOD ₅	72.06	20	108.09	30
	Total Suspended Solids (TSS)	N/A	20	N/A	30
	TRC	N/A	N/A	N/A	0.011
	pH	6.5 SU, minimum		9.0 SU	

OUTFALL LOCATIONS

Outfall	Latitude	Longitude
001	29.842890 N	94.923269 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. Federal effluent limitation guidelines do not apply to the discharges from this facility.

The existing limits for BOD₅ for Outfall 001 were established by EPA based on BPJ of the permit writers pursuant to 40 CFR 125.3(c)(2). TCEQ is continuing EPA's daily average and maximum limitations for BOD₅ in Outfall 001 based on anti-backsliding regulations in 40 CFR §122.44(l). The existing limits for TSS are carried forward from the RRC permit. Additionally, existing EPA and RRC parameters for visible oil sheen at Outfall 001 have been continued as narrative criteria to match TPDES permit format.

The existing limit of 0.011 mg/L for TRC was established by EPA and RRC based on national criteria (see page 17 and 18 of *Ambient Water Quality Criteria for Chlorine*, 1984) and pursuant to 40 CFR 122.44(d)(v). TCEQ is continuing EPA's daily maximum limitation for TRC based on anti-backsliding regulations in 40 CFR §122.44(l).

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 December 18, 2023. 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. Based on the screening conducted, no water quality-based effluent limitations or

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monitoring requirements are required.

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

The average concentration of TDS, chloride, and sulfate 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 or monitoring requirements are needed for TDS, chloride, or sulfate.

pH Screening

The existing EPA permit 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. These limits have been carried forward in the draft permit.

316(b) Cooling Water Intake Structures

The facility obtains water from Coastal Water Authority, a public water system (PWS No. TX1010013), for cooling purposes. The use of water obtained from a public water system for cooling purposes does not constitute the use of a cooling water intake structure; therefore, the facility is not subject to Section 316(b) of the CWA or 40 CFR Part 125, Subpart J.

Other Requirement No. 3 has been added to the draft permit, and requires the permittee to notify the TCEQ of any changes in the method by which cooling water is obtained. Upon receipt of such notification, the TCEQ may reopen the permit to include additional terms and conditions as necessary.

Whole Effluent Toxicity Testing (Biomonitoring)

Biomonitoring requirements are not included in the draft permit. While the existing EPA permit had biomonitoring requirements, discharges authorized by this draft permit do not meet the threshold established in the *Procedures to Implement the Texas Surface Water Quality Standards* (RG-194) to impose biomonitoring requirements. This facility is classified as an EPA minor facility. As all discharges are not treated process wastewater, the major amendment request was supported as discharges authorized in 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 and the anti-degradation review also determined no significant degradation of water quality is expected in Cedar Bayou Above Tidal. This change meets anti-backsliding 40 CFR § 122.44(l).

SUMMARY OF CHANGES FROM APPLICATION

No changes were made from the application.

SUMMARY OF CHANGES FROM EXISTING PERMITS

The permittee requested the following changes in their amendment request that the Executive Director has recommended granting.

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1. Remove Whole Effluent Toxicity (WET) testing. The facility is classified as an EPA minor facility and does not generate process wastewater so the request is approved. This change meets the anti-backsliding requirements of 40 CFR Part § 122.44(l)(2)(i)(B)(1).
2. Add the following wastestreams: Air dryer condensate, Fan cleaning water, Emergency showers water, Fire water testing and blowdown, and Public water supply (PWS) flushing.
3. Change BOD₅ sampling from grab to flow-weighted composite which will provide a more accurate results in the sampling.

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

1. Pages 3-13 were added (May 2021 version).
2. The name of the customer has been changed from Lone Star NGL Fractionators LLC to Energy Transfer GC NGL Fractionators LLC.
3. Visible oil sheen is no longer listed as a parameter and instead is included as narrative criteria under number 3 on the effluent page to match all other existing TPDES permits.
4. Footnotes in the existing EPA permit regarding WET testing at Outfall 001 have been removed as WET testing is not required in the draft permit.
5. Other Requirement Nos. 1, 2, 4-7, and 8 were added to match TPDES permits format in accordance with Industrial Wastewater Permitting Team Practice.
6. Other Requirement No. 3 was added to the draft permit to address cooling water intake structure requirements under CWA §316(b). Although CWA §316(b) does not currently apply to this facility, the applicant would be required to notify the TCEQ if there is a change in how the facility obtains cooling water.

BASIS FOR DRAFT PERMIT

The following items were considered in developing the draft permit:

1. Application received on October 16, 2023, and additional information received on November 6, 2023.
2. Existing permits: EPA NPDES Permit No. TX0134075 issued on July 17, 2019 and RRC Permit No. P012807 issued July 25, 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.

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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: The executive director has reviewed this action for consistency with the goals and policies of the Texas Coastal Management Program (CMP) in accordance with the regulations of the General Land Office and has determined that the action is consistent with the applicable CMP goals and policies.
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).
16. General Guidance – Industrial Permits: Uncontaminated Stormwater Runoff, EPA, January 1997.

PROCEDURES FOR FINAL DECISION

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

Once a draft permit is completed, it is sent to the Chief Clerk, along with the Executive Director's preliminary decision contained in the technical summary or fact sheet. At that time, the Notice of Application and Preliminary Decision will be mailed to the same people and published in the same newspaper as the prior notice. This notice sets a deadline for making public comments. The applicant must place a copy of the Executive Director's preliminary decision and draft permit in the public place with the application.

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

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

The Executive Director will issue the permit unless a written hearing request or request for reconsideration is filed within 30 days after the Executive Director's response to comments and final decision is mailed. If a hearing request or request for reconsideration is filed, the Executive Director will not issue the permit and will forward the application and request to the TCEQ commissioners for their

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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 Thomas E. Starr at (512) 239-4570.

Thomas E. Starr
Thomas E. Starr

September 4, 2025
Date

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Appendix A
Calculated Water Quality-Based Effluent Limits

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

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

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

PERMIT INFORMATION

Permittee Name:	Energy Transfer GC NGL Fractionators LLC
TPDES Permit No.:	WQ0005413000
Outfall No.:	001
Prepared by:	Thomas Starr
Date:	September 4, 2025

DISCHARGE INFORMATION

Intermittent Receiving Waterbody:	unnamed ditch
Perennial Stream/River within 3 Miles:	Cedar Bayou Above Tidal
Segment No.:	0902
TSS (mg/L):	4
pH (Standard Units):	7.1
Hardness (mg/L as CaCO ₃):	90
Chloride (mg/L):	88
Effluent Flow for Aquatic Life (MGD):	0.76
Critical Low Flow [7Q2] (cfs) for intermittent:	0
Critical Low Flow [7Q2] (cfs) for perennial:	5.05
% Effluent for Chronic Aquatic Life (Mixing Zone):	18.89
% Effluent for Acute Aquatic Life (ZID):	100
Effluent Flow for Human Health (MGD):	0.449
Harmonic Mean Flow (cfs) for perennial:	8.14
% Effluent for Human Health:	7.863
Human Health Criterion (select: PWS, FISH, or INC)	FISH

TSS, pH, Hardness, and chloride data was used from the draft "Texas Surface Water Quality Standards".

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

<i>Stream/River Metal</i>	<i>Intercept (b)</i>	<i>Slope (m)</i>	<i>Partition Coefficient (Kp)</i>	<i>Dissolved Fraction (Cd/Ct)</i>	<i>Source</i>	<i>Effect Ratio (WER)</i>	<i>Source</i>
Aluminum	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Arsenic	5.68	-0.73	173978.75	0.590		1.00	Assumed
Cadmium	6.60	-1.13	831136.22	0.231		1.00	Assumed
Chromium (total)	6.52	-0.93	912187.69	0.215		1.00	Assumed
Chromium (trivalent)	6.52	-0.93	912187.69	0.215		1.00	Assumed
Chromium (hexavalent)	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Copper	6.02	-0.74	375383.87	0.400		1.00	Assumed
Lead	6.45	-0.80	929719.64	0.212		1.00	Assumed
Mercury	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Nickel	5.69	-0.57	222241.83	0.529		1.00	Assumed
Selenium	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Silver	6.38	-1.03	575278.59	0.303		1.00	Assumed
Zinc	6.10	-0.70	477043.53	0.344		1.00	Assumed

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AQUATIC LIFE

CALCULATE DAILY AVERAGE AND DAILY MAXIMUM EFFLUENT LIMITATIONS:

Parameter	FW Acute	FW	WLAa (µg/L)	WLAc (µg/L)	LTAa (µg/L)	LTAc (µg/L)	Daily Avg. (µg/L)	Daily Max. (µg/L)
	Criterion (µg/L)	Chronic Criterion						
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	577	1347	330	1037	485	1027
Cadmium	7.7	0.229	33.5	5.23	19.2	4.03	5.92	12.5
Carbaryl	2.0	N/A	2.00	N/A	1.15	N/A	1.68	3.56
Chlordane	2.4	0.004	2.40	0.0212	1.38	0.0163	0.0239	0.0507
Chlorpyrifos	0.083	0.041	0.0830	0.217	0.0476	0.167	0.0699	0.147
Chromium (trivalent)	523	68	2430	1673	1392	1289	1894	4007
Chromium (hexavalent)	15.7	10.6	15.7	56.1	9.00	43.2	13.2	27.9
Copper	12.9	8.7	32.2	115	18.4	88.3	27.0	57.3
Cyanide (free)	45.8	10.7	45.8	56.7	26.2	43.6	38.5	81.6
4,4'-DDT	1.1	0.001	1.10	0.00529	0.630	0.00408	0.00599	0.0126
Demeton	N/A	0.1	N/A	0.529	N/A	0.408	0.599	1.26
Diazinon	0.17	0.17	0.170	0.900	0.0974	0.693	0.143	0.302
Dicofol [Kelthane]	59.3	19.8	59.3	105	34.0	80.7	49.9	105
Dieldrin	0.24	0.002	0.240	0.0106	0.138	0.00815	0.0119	0.0253
Diuron	210	70	210	371	120	285	176	374
Endosulfan I (alpha)	0.22	0.056	0.220	0.296	0.126	0.228	0.185	0.392
Endosulfan II (beta)	0.22	0.056	0.220	0.296	0.126	0.228	0.185	0.392
Endosulfan sulfate	0.22	0.056	0.220	0.296	0.126	0.228	0.185	0.392
Endrin	0.086	0.002	0.0860	0.0106	0.0493	0.00815	0.0119	0.0253
Guthion [Azinphos Methyl]	N/A	0.01	N/A	0.0529	N/A	0.0408	0.0599	0.126
Heptachlor	0.52	0.004	0.520	0.0212	0.298	0.0163	0.0239	0.0507
Hexachlorocyclohexane (gamma) [Lindane]	1.126	0.08	1.13	0.424	0.645	0.326	0.479	1.01
Lead	58	2.24	272	56.1	156	43.2	63.4	134
Malathion	N/A	0.01	N/A	0.0529	N/A	0.0408	0.0599	0.126
Mercury	2.4	1.3	2.40	6.88	1.38	5.30	2.02	4.27
Methoxychlor	N/A	0.03	N/A	0.159	N/A	0.122	0.179	0.380
Mirex	N/A	0.001	N/A	0.00529	N/A	0.00408	0.00599	0.0126
Nickel	428	47.6	809	476	464	366	538	1139
Nonylphenol	28	6.6	28.0	34.9	16.0	26.9	23.5	49.8
Parathion (ethyl)	0.065	0.013	0.0650	0.0688	0.0372	0.0530	0.0547	0.115
Pentachlorophenol	9.6	7.4	9.65	39.2	5.53	30.2	8.12	17.1
Phenanthrene	30	30	30.0	159	17.2	122	25.2	53.4
Polychlorinated Biphenyls [PCBs]	2.0	0.014	2.00	0.0741	1.15	0.0571	0.0839	0.177
Selenium	20	5	20.0	26.5	11.5	20.4	16.8	35.6
Silver	0.8	N/A	19.5	N/A	11.1	N/A	16.3	34.6
Toxaphene	0.78	0.0002	0.780	0.00106	0.447	0.000815	0.00119	0.00253
Tributyltin [TBT]	0.13	0.024	0.130	0.127	0.0745	0.0978	0.109	0.231
2,4,5 Trichlorophenol	136	64	136	339	77.9	261	114	242
Zinc	107	108	312	1664	179	1281	262	555

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HUMAN HEALTH

CALCULATE DAILY AVERAGE AND DAILY MAXIMUM EFFLUENT LIMITATIONS:

Parameter	Water and	Fish Only	Incidental	WLAh (µg/L)	LTAh (µg/L)	Daily Avg. (µg/L)	Daily Max. (µg/L)
	Fish Criterion	Criterion (µg/L)	Fish Criterion				
Acrylonitrile	1.0	115	1150	1462	1360	1999	4229
Aldrin	1.146E-05	1.147E-05	1.147E-04	0.000146	0.000136	0.000199	0.000421
Anthracene	1109	1317	13170	16749	15576	22897	48442
Antimony	6	1071	10710	13620	12667	18620	39393
Arsenic	10	N/A	N/A	N/A	N/A	N/A	N/A
Barium	2000	N/A	N/A	N/A	N/A	N/A	N/A
Benzene	5	581	5810	7389	6872	10101	21370
Benzidine	0.0015	0.107	1.07	1.36	1.27	1.86	3.93
Benzo(a)anthracene	0.024	0.025	0.25	0.318	0.296	0.434	0.919
Benzo(a)pyrene	0.0025	0.0025	0.025	0.0318	0.0296	0.0434	0.0919
Bis(chloromethyl)ether	0.0024	0.2745	2.745	3.49	3.25	4.77	10.0
Bis(2-chloroethyl)ether	0.60	42.83	428.3	545	507	744	1575
Bis(2-ethylhexyl) phthalate [Di(2-ethylhexyl) phtha	6	7.55	75.5	96.0	89.3	131	277
Bromodichloromethane [Dichlorobromomethane]	10.2	275	2750	3497	3252	4781	10115
Bromoform [Tribromomethane]	66.9	1060	10600	13480	12537	18428	38989
Cadmium	5	N/A	N/A	N/A	N/A	N/A	N/A
Carbon Tetrachloride	4.5	46	460	585	544	799	1691
Chlordane	0.0025	0.0025	0.025	0.0318	0.0296	0.0434	0.0919
Chlorobenzene	100	2737	27370	34807	32371	47584	100672
Chlorodibromomethane [Dibromochloromethane]	7.5	183	1830	2327	2164	3181	6731
Chloroform [Trichloromethane]	70	7697	76970	97885	91033	133818	283111
Chromium (hexavalent)	62	502	5020	6384	5937	8727	18464
Chrysene	2.45	2.52	25.2	32.0	29.8	43.8	92.6
Cresols [Methylphenols]	1041	9301	93010	118283	110003	161704	342110
Cyanide (free)	200	N/A	N/A	N/A	N/A	N/A	N/A
4,4'-DDD	0.002	0.002	0.02	0.0254	0.0237	0.0347	0.0735
4,4'-DDE	0.00013	0.00013	0.0013	0.00165	0.00154	0.00226	0.00478
4,4'-DDT	0.0004	0.0004	0.004	0.00509	0.00473	0.00695	0.0147
2,4'-D	70	N/A	N/A	N/A	N/A	N/A	N/A
Danitol [Fenpropathrin]	262	473	4730	6015	5594	8223	17397
1,2-Dibromoethane [Ethylene Dibromide]	0.17	4.24	42.4	53.9	50.1	73.7	155
m-Dichlorobenzene [1,3-Dichlorobenzene]	322	595	5950	7567	7037	10344	21885
o-Dichlorobenzene [1,2-Dichlorobenzene]	600	3299	32990	41954	39017	57355	121344
p-Dichlorobenzene [1,4-Dichlorobenzene]	75	N/A	N/A	N/A	N/A	N/A	N/A
3,3'-Dichlorobenzidine	0.79	2.24	22.4	28.5	26.5	38.9	82.3
1,2-Dichloroethane	5	364	3640	4629	4305	6328	13388
1,1-Dichloroethylene [1,1-Dichloroethene]	7	55114	551140	700898	651836	958198	2027208
Dichloromethane [Methylene Chloride]	5	13333	133330	169559	157690	231804	490415
1,2-Dichloropropane	5	259	2590	3294	3063	4502	9526
1,3-Dichloropropane [1,3-Dichloropropylene]	2.8	119	1190	1513	1407	2068	4377
Dicofol [Kelthane]	0.30	0.30	3	3.82	3.55	5.21	11.0
Dieldrin	2.0E-05	2.0E-05	2.0E-04	0.000254	0.000237	0.000347	0.000735
2,4-Dimethylphenol	444	8436	84360	107283	99773	146666	310293
Di-n-Butyl Phthalate	88.9	92.4	924	1175	1093	1606	3398
Dioxins/Furans [TCDD Equivalentents]	7.80E-08	7.97E-08	7.97E-07	0.0000010	9.43E-07	0.0000014	0.0000029
Endrin	0.02	0.02	0.2	0.254	0.237	0.347	0.735
Epichlorohydrin	53.5	2013	20130	25600	23808	34997	74042
Ethylbenzene	700	1867	18670	23743	22081	32459	68672
Ethylene Glycol	46744	1.68E+07	1.68E+08	213649783	198694298	292080618	617939267
Fluoride	4000	N/A	N/A	N/A	N/A	N/A	N/A
Heptachlor	8.0E-05	0.0001	0.001	0.00127	0.00118	0.00173	0.00367
Heptachlor Epoxide	0.00029	0.00029	0.0029	0.00369	0.00343	0.00504	0.0106
Hexachlorobenzene	0.00068	0.00068	0.0068	0.00865	0.00804	0.0118	0.0250
Hexachlorobutadiene	0.21	0.22	2.2	2.80	2.60	3.82	8.09

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<i>Parameter</i>	<i>Water and Fish Criterion</i>	<i>Fish Only Criterion (µg/L)</i>	<i>Incidental Fish Criterion</i>	<i>WLAh (µg/L)</i>	<i>LTAh (µg/L)</i>	<i>Daily Avg. (µg/L)</i>	<i>Daily Max. (µg/L)</i>
Hexachlorocyclohexane (<i>alpha</i>)	0.0078	0.0084	0.084	0.107	0.0993	0.146	0.308
Hexachlorocyclohexane (<i>beta</i>)	0.15	0.26	2.6	3.31	3.08	4.52	9.56
Hexachlorocyclohexane (<i>gamma</i>) [Lindane]	0.2	0.341	3.41	4.34	4.03	5.92	12.5
Hexachlorocyclopentadiene	10.7	11.6	116	148	137	201	426
Hexachloroethane	1.84	2.33	23.3	29.6	27.6	40.5	85.7
Hexachlorophene	2.05	2.90	29	36.9	34.3	50.4	106
4,4'-Isopropylidenediphenol [Bisphenol A]	1092	15982	159820	203247	189020	277859	587851
Lead	1.15	3.83	38.3	230	214	314	664
Mercury	0.0122	0.0122	0.122	0.155	0.144	0.212	0.448
Methoxychlor	2.92	3.0	30	38.2	35.5	52.1	110
Methyl Ethyl Ketone	13865	9.92E+05	9.92E+06	12615511	11732425	17246665	36487842
Methyl <i>tert</i> -butyl ether [MTBE]	15	10482	104820	133302	123971	182237	385549
Nickel	332	1140	11400	27386	25469	37438	79207
Nitrate-Nitrogen (as Total Nitrogen)	10000	N/A	N/A	N/A	N/A	N/A	N/A
Nitrobenzene	45.7	1873	18730	23819	22152	32563	68892
N-Nitrosodiethylamine	0.0037	2.1	21	26.7	24.8	36.5	77.2
N-Nitroso-di- <i>n</i> -Butylamine	0.119	4.2	42	53.4	49.7	73.0	154
Pentachlorobenzene	0.348	0.355	3.55	4.51	4.20	6.17	13.0
Pentachlorophenol	0.22	0.29	2.9	3.69	3.43	5.04	10.6
Polychlorinated Biphenyls [PCBs]	6.4E-04	6.4E-04	6.40E-03	0.00814	0.00757	0.0111	0.0235
Pyridine	23	947	9470	12043	11200	16464	34832
Selenium	50	N/A	N/A	N/A	N/A	N/A	N/A
1,2,4,5-Tetrachlorobenzene	0.23	0.24	2.4	3.05	2.84	4.17	8.82
1,1,2,2-Tetrachloroethane	1.64	26.35	263.5	335	312	458	969
Tetrachloroethylene [Tetrachloroethylene]	5	280	2800	3561	3312	4868	10298
Thallium	0.12	0.23	2.3	2.92	2.72	3.99	8.45
Toluene	1000	N/A	N/A	N/A	N/A	N/A	N/A
Toxaphene	0.011	0.011	0.11	0.140	0.130	0.191	0.404
2,4,5-TP [Silvex]	50	369	3690	4693	4364	6415	13572
1,1,1-Trichloroethane	200	784354	7843540	9974825	9276587	13636583	28850186
1,1,2-Trichloroethane	5	166	1660	2111	1963	2886	6105
Trichloroethylene [Trichloroethene]	5	71.9	719	914	850	1250	2644
2,4,5-Trichlorophenol	1039	1867	18670	23743	22081	32459	68672
TTHM [Sum of Total Trihalomethanes]	80	N/A	N/A	N/A	N/A	N/A	N/A
Vinyl Chloride	0.23	16.5	165	210	195	286	606

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Aquatic Life	70% of	85% of
Parameter	Daily Avg.	Daily Avg.
	(µg/L)	(µg/L)
Aldrin	1.76	2.14
Aluminum	584	709
Arsenic	339	412
Cadmium	4.14	5.03
Carbaryl	1.17	1.43
Chlordane	0.0167	0.0203
Chlorpyrifos	0.0489	0.0594
Chromium (trivalent)	1325	1610
Chromium (hexavalent)	9.25	11.2
Copper	18.9	23.0
Cyanide (free)	27.0	32.7
4,4'-DDT	0.00419	0.00509
Demeton	0.419	0.509
Diazinon	0.100	0.121
Dicofol [Kelthane]	34.9	42.4
Dieldrin	0.00839	0.0101
Diuron	123	150
Endosulfan I (<i>alpha</i>)	0.129	0.157
Endosulfan II (<i>beta</i>)	0.129	0.157
Endosulfan sulfate	0.129	0.157
Endrin	0.00839	0.0101
Guthion [Azinphos Methyl]	0.0419	0.0509
Heptachlor	0.0167	0.0203
Hexachlorocyclohexane (<i>gamma</i>) [Lindane]	0.335	0.407
Lead	44.4	53.9
Malathion	0.0419	0.0509
Mercury	1.41	1.71
Methoxychlor	0.125	0.152
Mirex	0.00419	0.00509
Nickel	376	457
Nonylphenol	16.5	20.0
Parathion (ethyl)	0.0383	0.0465
Pentachlorophenol	5.68	6.90
Phenanthrene	17.6	21.4
Polychlorinated Biphenyls [PCBs]	0.0587	0.0713
Selenium	11.7	14.3
Silver	11.4	13.9
Toxaphene	0.000839	0.00101
Tributyltin [TBT]	0.0766	0.0930
2,4,5 Trichlorophenol	80.1	97.3
Zinc	183	223

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Human Health	70% of Daily Avg.	85% of Daily Avg.
<i>Parameter</i>	<i>(µg/L)</i>	<i>(µg/L)</i>
Acrylonitrile	1399	1699
Aldrin	0.000139	0.000169
Anthracene	16027	19462
Antimony	13034	15827
Arsenic	N/A	N/A
Barium	N/A	N/A
Benzene	7070	8585
Benidine	1.30	1.58
Benzo(a)anthracene	0.304	0.369
Benzo(a)pyrene	0.0304	0.0369
Bis(chloromethyl)ether	3.34	4.05
Bis(2-chloroethyl)ether	521	632
Bis(2-ethylhexyl) phthalate [Di(2-ethylhexyl) phtha	91.8	111
Bromodichloromethane [Dichlorobromomethane]	3346	4063
Bromoform [Tribromomethane]	12900	15664
Cadmium	N/A	N/A
Carbon Tetrachloride	559	679
Chlordane	0.0304	0.0369
Chlorobenzene	33309	40447
Chlorodibromomethane [Dibromochloromethane]	2227	2704
Chloroform [Trichloromethane]	93672	113745
Chromium (hexavalent)	6109	7418
Chrysene	30.6	37.2
Cresols [Methylphenols]	113193	137449
Cyanide (free)	N/A	N/A
4,4'-DDD	0.0243	0.0295
4,4'-DDE	0.00158	0.00192
4,4'-DDT	0.00486	0.00591
2,4'-D	N/A	N/A
Danitol [Fenpropathrin]	5756	6989
1,2-Dibromoethane [Ethylene Dibromide]	51.6	62.6
<i>m</i> -Dichlorobenzene [1,3-Dichlorobenzene]	7241	8792
<i>o</i> -Dichlorobenzene [1,2-Dichlorobenzene]	40148	48752
<i>p</i> -Dichlorobenzene [1,4-Dichlorobenzene]	N/A	N/A
3,3'-Dichlorobenzidine	27.2	33.1
1,2-Dichloroethane	4429	5379
1,1-Dichloroethylene [1,1-Dichloroethene]	670738	814468
Dichloromethane [Methylene Chloride]	162262	197033
1,2-Dichloropropane	3152	3827
1,3-Dichloropropene [1,3-Dichloropropylene]	1448	1758
Dicofol [Kelthane]	3.65	4.43
Dieldrin	0.000243	0.000295
2,4-Dimethylphenol	102666	124666
Di- <i>n</i> -Butyl Phthalate	1124	1365
Dioxins/Furans [TCDD Equivalents]	9.69E-07	0.0000012
Endrin	0.243	0.295
Epichlorohydrin	24498	29747
Ethylbenzene	22721	27590
Ethylene Glycol	204456432	248268525
Fluoride	N/A	N/A
Heptachlor	0.00121	0.00147
Heptachlor Epoxide	0.00352	0.00428
Hexachlorobenzene	0.00827	0.0100
Hexachlorobutadiene	2.67	3.25

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Human Health	70% of	85% of
Parameter	Daily Avg.	Daily Avg.
	(µg/L)	(µg/L)
Hexachlorocyclohexane (<i>alpha</i>)	0.102	0.124
Hexachlorocyclohexane (<i>beta</i>)	3.16	3.84
Hexachlorocyclohexane (<i>gamma</i>) [Lindane]	4.14	5.03
Hexachlorocyclopentadiene	141	171
Hexachloroethane	28.3	34.4
Hexachlorophene	35.2	42.8
4,4'-Isopropylidenediphenol [Bisphenol A]	194501	236180
Lead	219	267
Mercury	0.148	0.180
Methoxychlor	36.5	44.3
Methyl Ethyl Ketone	12072665	14659665
Methyl <i>tert</i> -butyl ether [MTBE]	127566	154901
Nickel	26207	31823
Nitrate-Nitrogen (as Total Nitrogen)	N/A	N/A
Nitrobenzene	22794	27678
N-Nitrosodiethylamine	25.5	31.0
N-Nitroso-di- <i>n</i> -Butylamine	51.1	62.0
Pentachlorobenzene	4.32	5.24
Pentachlorophenol	3.52	4.28
Polychlorinated Biphenyls [PCBs]	0.00778	0.00945
Pyridine	11525	13994
Selenium	N/A	N/A
1,2,4,5-Tetrachlorobenzene	2.92	3.54
1,1,2-Tetrachloroethane	320	389
Tetrachloroethylene [Tetrachloroethylene]	3407	4137
Thallium	2.79	3.39
Toluene	N/A	N/A
Toxaphene	0.133	0.162
2,4,5-TP [Silvex]	4490	5453
1,1,1-Trichloroethane	9545608	11591095
1,1,2-Trichloroethane	2020	2453
Trichloroethylene [Trichloroethene]	875	1062
2,4,5-Trichlorophenol	22721	27590
TTHM [Sum of Total Trihalomethanes]	N/A	N/A
Vinyl Chloride	200	243

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Appendix B
TDS, Chloride, and Sulfate Screening Calculations

Screening Calculations for Total Dissolved Solids, Chloride, and Sulfate
Menu 2 - Discharge to an Intermittent Stream within 3 Miles of a Perennial Stream

Screen the Intermittent Stream

Applicant Name: Energy Transfer GC NGL Fractionators LLC
Permit Number, Outfall: WQ0005413000, 001
Segment Number: 0902

Enter values needed for screening:		Data Source (edit if different)
TDS CC - segment criterion - TDS	700 mg/L	2018 TSWQS, Appendix A
Cl CC - segment criterion - chloride	200 mg/L	2018 TSWQS, Appendix A
SO4 CC - segment criterion - sulfate	150 mg/L	2018 TSWQS, Appendix A
TDS CE - average effluent concentration - TDS	1240 mg/L	Permit application
Cl CE - average effluent concentration - chloride	215 mg/L	Permit application
SO4 CE - average effluent concentration - sulfate	362 mg/L	Permit application

TDS Screening

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

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

Where:
 C_{TDS} = TDS concentration used to determine C_{sv} 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, C_{sv} , using the following table:

If C_{TDS}	Then TDS C_{sv}
$\leq 2,500\ mg/L$	= 2,500 mg/L
$> 2,500\ mg/L$ but $\leq 6,000\ mg/L$	= C_{TDS}
$> 6,000\ mg/L$	= 6,000 mg/L

Some specific types of intermittent streams have alternative screening values (C_{sv}):

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

Once TDS C_{sv} 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	1240 mg/L	Permit application
TDS C_{sv} - TDS screening value	6000 mg/L	Determined above

No control measures needed if: 1240 \leq 6000
 Consider control measures if: 1240 $>$ 6000

No control measures needed for TDS

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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:

$$\text{Cl Csv} = (\text{TDS Csv} / \text{TDS CC}) * \text{Cl CC}$$

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 = **1714.2857** 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	215 mg/L	Permit application
Cl Csv - chloride screening value	1714.2857 mg/L	Determined above

No control measures needed if:	215	≤	1714.286
Consider control measures if:	215	>	1714.286

No control measures needed for chloride

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:

$$\text{SO4 Csv} = (\text{TDS Csv} / \text{TDS CC}) * \text{SO4 CC}$$

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 = **1285.7143** 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	362 mg/L	Permit application
SO4 Csv - sulfate screening value	1285.7143 mg/L	Determined above

No control measures needed if:	362	≤	1285.714
Consider control measures if:	362	>	1285.714

No control measures needed for sulfate

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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 EPA Permit				Existing RRC Permit			
		Daily Avg		Daily Max		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	lbs/day	mg/L	lbs/day	mg/L
001	Flow, MGD	Report, MGD		Report, MGD		-		-		Report, MGD		Report, MGD		Report		Report	
	BOD ₅	72.06	20	108.09	30	-	-	-	-	72.06	20	108.09	30	-	-	-	-
	TSS	N/A	20	N/A	30	-	-	-	-	-	-	-	-	N/A	20	N/A	30
	TRC	N/A	N/A	N/A	0.011	-	-	-	-	N/A	N/A	N/A	0.011	N/A	N/A	N/A	0.011
	pH, SU	6.0 SU, minimum		9.0 SU		-		-		6.5 SU, minimum		9.0 SU		6.5 SU, minimum		9.0 SU	