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 *
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 **
5. Proyecto de permiso **
6. Resumen técnico u hoja de datos **

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

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

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

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

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

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS
Enter 'INDUSTRIAL' or 'DOMESTIC' here WASTEWATER/STORMWATER
The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 TAC Chapter 39. The information provided in this summary may change during the technical review of the application and is not a federal enforceable representation of the permit application.

City of Lockhart & Guadalupe-Blanco River Authority (CN600245195, CN601180565) operates Lockhart Wastewater Treatment Facility No. 1 (RN101236065), a Wastewater Treatment Facility. The facility is located at 109 Larremore Street, in Lockhart, Caldwell County, Texas 78644. Renewal to discharge 1.1 million gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain Carbonaceous Biochemical Oxygen Demand (CBOD), Total Suspended Solids, Ammonia Nitrogen, and *E. coli*. Wastewater is treated by bar screen, aeration basins, clarification, disinfection and dechlorination.

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

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

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

La Ciudad de Lockhart y La Autoridad del Rio Guadalupe-Blanco (CN600245195, CN601180565) opera Planta de tratamiento de aguas residuales de Lockhart No.1 RN101236065, un Planta de tratamiento de aguas residuales. La instalación está ubicada en Calle Larremore 109, en Lockhart, Condado de Caldwell , Texas 78644. Renovación para descargar 1,1 millones de galones por día de aguas residuales domésticas tratadas.

Se espera que las descargas de la instalación contengan Demanda bioquímica de oxígeno carbonoso (CBOD), sólidos suspendidos totales, nitrógeno amoniacal y E. coli.. Aguas residuales. está tratado por rejillas de rejilla, tanques de aireación, clarificación, desinfección y decloración.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

PERMIT NO. WQ0010210001

APPLICATION. City of Lockhart and Guadalupe-Blanco River Authority, P.O. Box 239, Lockhart, Texas 78644, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0010210001 (EPA I.D. No. TX0023868) to authorize the discharge of treated wastewater at a volume not to exceed an annual average flow of 1,100,000 gallons per day. The domestic wastewater treatment facility is located at 109 Larremore Street, in the city of Lockhart, in Caldwell County, Texas 78644. The discharge route is from the plant site to Town Branch, thence to Plum Creek. TCEQ received this application on October 17, 2024. The permit application will be available for viewing and copying at Dr. Eugene Clark Library, Circulation Desk, 217 South Main Street, Lockhart, in Caldwell County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.664444,29.884444&level=18

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

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

PUBLIC COMMENT / PUBLIC MEETING. You may submit public comments or request a public meeting on this application. The purpose of a public meeting is to provide the opportunity to submit comments or to ask questions about the application. TCEQ will hold a public meeting if the Executive Director determines that there is a significant degree of public

interest in the application or if requested by a local legislator. A public meeting is not a contested case hearing.

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

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

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

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

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

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

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

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

Further information may also be obtained from City of Lockhart and Guadalupe-Blanco River Authority at the address stated above or by calling Mrs. Lauren Willis, Director of Governmental and Community Affairs, at 830-379-5822.

Issuance Date: November 5, 2024

Comisión de Calidad Ambiental del Estado de Texas

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

PERMISO NO. WQ0010210001

SOLICITUD. Ciudad de Lockhart y Guadalupe-Blanco River Authority, P.O. Box 239, Lockhart, Texas 78644 ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0010210001 (EPA I.D. No. TX 0023868) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo un año de 1,100,000 galones por día. La planta está ubicada 109 Larremore Street, en la Cuidad de Lockhart en el Condado de Caldwell, Texas. La ruta de descarga es del sitio de la planta a Town Branch, de ahí a Plum Creek. La TCEQ recibió esta solicitud el 17 de Octubre del 2024. La solicitud para el permiso estará disponible para leerla y copiarla en 217 South Main Street, Lockhart en el Condado de Caldwell, Texas antes de la fecha de publicación de este aviso en el periódico. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.664444,29.884444&level=180.32

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

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

OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO CONTENCIOSO. Después del plazo para presentar comentarios públicos, el Director Ejecutivo considerará todos los comentarios apropiados y preparará una respuesta a todo los comentarios públicos esenciales, pertinentes, o significativos. **A menos que la solicitud haya sido referida directamente a una audiencia administrativa de lo contencioso, la respuesta a los**

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

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

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

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

CONTACTOS E INFORMACIÓN A LA AGENCIA. Todos los comentarios públicos y solicitudes deben ser presentadas electrónicamente vía http://www14.tceq.texas.gov/epic/eComment/o por escrito dirigidos a la Comisión

de Texas de Calidad Ambiental, Oficial de la Secretaría (Office of Chief Clerk), MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Tenga en cuenta que cualquier información personal que usted proporcione, incluyendo su nombre, número de teléfono, dirección de correo electrónico y dirección física pasarán a formar parte del registro público de la Agencia. Para obtener más información acerca de esta solicitud de permiso o el proceso de permisos, llame al programa de educación pública de la TCEQ, gratis, al 1-800-687-4040. Si desea información en Español, puede llamar al 1-800-687-4040.

También se puede obtener información adicional del Ciudad de Lockhart y Guadalupe-Blanco River Authority a la dirección indicada arriba o llamando a Lauren Willis al 830-379-5822.

Fecha de emission: 5 de noviembre de 2024

Texas Commission on Environmental Quality

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

RENEWAL

PERMIT NO. WQ0010210001

APPLICATION AND PRELIMINARY DECISION. City of Lockhart and Guadalupe-Blanco River Authority, P.O. Box 239, Lockhart, Texas 78644, has applied to the Texas Commission on Environmental Quality (TCEQ) for a renewal of Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0010210001, which authorizes the discharge of treated domestic wastewater at an annual average flow not to exceed 1,100,000 gallons per day. TCEQ received this application on October 17, 2024.

The facility is located at 109 Larremore Street, in Caldwell County, Texas 78644. The treated effluent is discharged to Town Branch, thence to Plum Creek in Segment No. 1810 of the Guadalupe River Basin. The unclassified receiving water use is high aquatic life use for Town Branch. The designated uses for Segment No. 1810 are primary contact recreation, aquifer protection, and high aquatic life use. This link to an electronic map of the site or facility's general location is provided as a public courtesy and is not part of the application or notice. For the exact location, refer to the application.
https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.664444,29.884444&level=18

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 Dr. Eugene Clark Library, Circulation Desk, 217 South Main Street, Lockhart, in Caldwell County, Texas. The application, including any updates, and associated notices are available electronically at the following webpage:
https://www.tceq.texas.gov/permitting/wastewater/tpdes-applications.

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.

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 comments or to ask questions about the application. TCEQ holds 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 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 a contested case hearing or reconsideration of the Executive Director's decision.** A contested case hearing is a legal proceeding similar to a civil trial in a state district court.

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

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

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

EXECUTIVE DIRECTOR ACTION. The Executive Director may issue final approval of the application unless a timely contested case hearing request or 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 request 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 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.

All written public comments and public meeting requests must be submitted to the Office of the Chief Clerk, MC 105, Texas Commission on Environmental Quality, P.O. Box 13087, Austin, TX 78711-3087 or electronically at 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 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 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. Any personal information you submit to the TCEQ will become part of the agency's record; this includes email addresses. 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 City of Lockhart and Guadalupe-Blanco River Authority at the address stated above or by calling Mary Newman, Executive Assistant, at 830-379-5822.

Issuance Date: April 18, 2025

Comisión de Calidad Ambiental de Texas

AVISO DE SOLICITUD Y DECISIÓN PRELIMINAR PARA EL PERMISO TPDES PARA AGUAS RESIDUALES MUNICIPALES

RENOVACIÓN

PERMISO Nº WQ0010210001

SOLICITUD Y DECISIÓN PRELIMINAR. La Autoridad del Río Guadalupe-Blanco de la Ciudad de Lockhart y Guadalupe, P.O. Box 239, Lockhart, Texas 78644, ha solicitado a la Comisión de Calidad Ambiental de Texas (TCEQ) una renovación del Permiso No. WQ0010210001, que autoriza la descarga de aguas residuales domésticas tratadas a un caudal promedio anual que no exceda los 1,100,000 galones por día. TCEQ recibió esta solicitud el 17 de octubre de 2024.

La instalación está ubicada en 109 Larremore Street, en el condado de Caldwell, Texas 78644. El efluente tratado se descarga a Town Branch, de allí a Plum Creek en el Segmento No. 1810 de la Cuenca del Río Guadalupe. El uso de agua receptora no clasificado es el uso de vida acuática alta para Town Branch. Los usos designados para el Segmento No. 1810 son la recreación de contacto primario, la protección de acuíferos y el uso de alta vida acuática. Este enlace a un mapa electrónico de la ubicación general del sitio o instalación se proporciona como cortesía pública y no es parte de la solicitud o aviso. Para conocer la ubicación exacta, consulte la aplicación.
https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.664444,29.884444&level=18

El Director Ejecutivo de la TCEQ ha completado el examen técnico de la solicitud y ha preparado un proyecto de permiso. El borrador del permiso, de ser aprobado, establecería las condiciones bajo las cuales la instalación debe operar. El Director Ejecutivo ha tomado una decisión preliminar de que este permiso, si se expide, cumple con todos los requisitos legales y reglamentarios. La solicitud de permiso, la decisión preliminar del Director Ejecutivo y el borrador del permiso están disponibles para ver y copiar en la Biblioteca Dr. Eugene Clark, Mostrador de Circulación, 217 South Main Street, Lockhart, en el condado de Caldwell, Texas. La solicitud, incluidas las actualizaciones, y los avisos asociados están disponibles electrónicamente en la siguiente página web:
https://www.tceq.texas.gov/permitting/wastewater/tpdes-applications.

AVISO DE IDIOMA ALTERNATIVO. El aviso en idioma alternativo en español está disponible en 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 .

COMENTARIO PÚBLICO / REUNIÓN PÚBLICA. Puede enviar comentarios públicos o solicitar una reunión pública sobre esta solicitud. El propósito de una reunión pública es brindar la oportunidad de enviar comentarios o hacer preguntas sobre la solicitud. TCEQ lleva a cabo una reunión pública si el Director Ejecutivo determina que existe un grado significativo de interés público en la solicitud o si lo solicita un legislador local. Una reunión pública no es una audiencia de caso impugnado.

OPORTUNIDAD PARA UNA AUDIENCIA DE CASO IMPUGNADO. Después de la fecha límite para presentar comentarios públicos, el Director Ejecutivo considerará todos los comentarios oportunos y preparará una respuesta a todos los comentarios públicos relevantes y materiales, o significativos. **A menos que la solicitud se remita directamente para una audiencia de caso impugnado, la respuesta a los comentarios se enviará por correo a todos los que presentaron comentarios públicos y a las personas que están en la lista de correo de esta solicitud. Si se reciben comentarios, el correo también proporcionará instrucciones para solicitar una audiencia de caso impugnado o una reconsideración de la decisión del Director Ejecutivo.** Una audiencia de caso impugnado es un procedimiento legal similar a un juicio civil en un tribunal de distrito estatal.

PARA SOLICITAR UNA AUDIENCIA DE CASO IMPUGNADO, DEBE INCLUIR EL SIGUIENTES ELEMENTOS EN SU SOLICITUD: su nombre, dirección, número de teléfono; nombre del solicitante y número de permiso propuesto; la ubicación y distancia de su propiedad/actividades en relación con la instalación propuesta; una descripción específica de cómo se vería afectado negativamente por la instalación de una manera que no es común para el público en general; una lista de todas las cuestiones de hecho en disputa que envíe durante el período de comentarios; y la declaración "[Yo/nosotros] solicito una audiencia de caso impugnado". Si la solicitud de audiencia de caso impugnado se presenta en nombre de un grupo o asociación, la solicitud debe designar al representante del grupo para recibir correspondencia futura; identificar por nombre y dirección física a un miembro individual del grupo que se vería afectado negativamente por la instalación o actividad propuesta; proporcionar la información mencionada anteriormente con respecto a la ubicación y la distancia del miembro afectado de la instalación o actividad; explicar cómo y por qué el miembro se vería afectado; y explicar cómo los intereses que el grupo busca proteger son relevantes para el propósito del grupo.

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

La Comisión solo puede conceder una solicitud de audiencia de un caso impugnado sobre cuestiones que el solicitante presentó en sus comentarios oportunos que no fueron retirados posteriormente. **Si se concede una audiencia, el tema de una audiencia se limitará a cuestiones de hecho en disputa o preguntas mixtas de hecho y derecho relacionadas con preocupaciones relevantes y materiales sobre la calidad del agua presentadas durante el período de comentarios. TCEQ puede actuar sobre una solicitud para renovar un permiso para la descarga de aguas residuales sin brindar la oportunidad de una audiencia de caso impugnado si se cumplen ciertos criterios.**

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

LISTA DE CORREO. Si presenta comentarios públicos, una solicitud para una audiencia de caso impugnado o una reconsideración de la decisión del Director Ejecutivo, se le agregará a la lista de correo de esta solicitud específica para recibir avisos públicos futuros enviados por correo por la Oficina del Secretario Principal. Además, puede solicitar ser incluido en: (1) la lista de correo permanente para un nombre de solicitante específico y un número de permiso; y/o (2) la lista de correo de un condado específico. Si desea ser incluido en la lista de correo permanente y/o del condado, especifique claramente qué lista(s) y envíe su solicitud a la Oficina del Secretario Principal de TCEQ a la dirección que se indica a continuación.
Todos los comentarios públicos por escrito y las solicitudes 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 a 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 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 presentarse electrónicamente en www.tceq.texas.gov/goto/comment, o por escrito a la Comisión de Calidad Ambiental de Texas, Oficina del Secretario Principal, MC 105, P.O. Box 13087, Austin, Texas 78711-3087. Cualquier información personal que envíe a la TCEQ se convertirá en parte del registro de la agencia; Esto incluye 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 TCEQ, línea gratuita, al 1-800-687-4040 o visite su sitio web en www.tceq.texas.gov/goto/pep. Si desea información en español, puede llamar al 1-800-687-4040.

También se puede obtener más información de la Ciudad de Lockhart y la Autoridad del Río Guadalupe-Blanco en la dirección indicada anteriormente o llamando a la Sra. Mary Newman, Asistente Ejecutiva, al 830-379-5822.

Fecha de emisión: 18 de abril de 2025

TPDES PERMIT NO.
WQ0010210001
[For TCEQ office use only - EPA I.D. No. TX0023868]

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

This is a renewal that replaces TPDES Permit No. WQ0010210001 issued on April 15, 2020.

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

City of Lockhart and Guadalupe-Blanco River Authority

whose mailing address is

P.O. Box 239
Lockhart, Texas 78644

is authorized to treat and discharge wastes from the Lockhart WWTP No. 1 Wastewater Treatment Facility, SIC Code 4952

located at 109 Larremore Street, in Caldwell County, Texas 78644

to Town Branch, thence to Plum Creek in Segment No. 1810 of the Guadalupe River Basin

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

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

ISSUED DATE:

For the Commission

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS Outfall Number 001

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

   The annual average flow of effluent shall not exceed 1.1 million gallons per day (MGD), nor shall the average discharge during any two-hour period (2-hour peak) exceed 2,778 gallons per minute.

Effluent Characteristic	Discharge Limitations				Min. Self-Monitoring Requirements	
	Daily Avg	7-day Avg	Daily Max	Single Grab	Report Daily Avg. & Daily Max.	
	mg/l (lbs/day)	mg/l	mg/l	mg/l	Measurement Frequency	Sample Type
Flow, MGD	Report	N/A	Report	N/A	Continuous	Totalizing Meter
Carbonaceous Biochemical Oxygen Demand (5-day)	10 (92)	15	25	35	Two/week	Composite
Total Suspended Solids	15 (138)	25	40	60	Two/week	Composite
Ammonia Nitrogen	3 (28)	6	10	15	Two/week	Composite
E. coli, colony-forming units or most probable number per 100 ml	126	N/A	399	N/A	One/week	Grab

2. The effluent shall contain a total chlorine residual of at least 1.0 mg/l after a detention time of at least 20 minutes (based on peak flow) and shall be monitored daily by grab sample. The permittee shall dechlorinate the chlorinated effluent to less than 0.1 mg/l total chlorine residual and shall monitor total chlorine residual daily by grab sample after the dechlorination process. An equivalent method of disinfection may be substituted only with prior approval of the Executive Director.

3. The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored once per week by grab sample.

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

5. Effluent monitoring samples shall be taken at the following location(s): Following the final treatment unit.

6. The effluent shall contain a minimum dissolved oxygen of 5.0 mg/l and shall be monitored twice per week by grab sample.

7. The annual average flow and maximum 2-hour peak flow shall be reported monthly.

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 TWC § 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 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 (*E. coli* or Enterococci) - Colony Forming Units (CFU) or Most Probable Number (MPN) of bacteria per 100 milliliters effluent. The daily average bacteria concentration is a geometric mean of the values for the effluent samples collected in a calendar month. The geometric mean shall be determined by calculating the nth root of the product of all measurements made in a calendar month, where n equals the number of measurements made; or, computed as the antilogarithm of the arithmetic mean of the logarithms of all measurements made in a calendar month. For any measurement of bacteria equaling zero, a substituted 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 x Concentration, mg/l x 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 (b).

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 and/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. The term "biosolids" is defined as sewage sludge that has been tested or processed to meet Class A, Class AB, or Class B pathogen standards in 30 TAC Chapter 312 for beneficial use.

7. 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 Compliance Monitoring Team of the Enforcement Division (MC 224), by the 20th day of the following month for each discharge which 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 (CWA); TWC §§ 26, 27, and 28; and THSC § 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 § 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 or biosolids 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 and/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 Compliance

Monitoring Team of the Enforcement Division (MC 224).

7. Noncompliance Notification

   a. In accordance with 30 TAC § 305.125(9) any noncompliance which may endanger human health or safety, or the environment shall be reported by the permittee to the TCEQ. Except as allowed by 30 TAC § 305.132, 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 Compliance Monitoring Team of the Enforcement Division (MC 224) within five working days of becoming aware of the noncompliance. For Publicly Owned Treatment Works (POTWs), effective December 21, 2025, 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 which deviates from the permitted effluent limitation by more than 40% shall be reported by the permittee in writing to the Regional Office and the Compliance Monitoring Team of 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 Compliance Monitoring Team of 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 Compliance Monitoring Team of 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 which 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) which 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 which would result in any discharge, on a nonroutine or infrequent basis, of a toxic pollutant which 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 which 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 which 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 TWC §§ 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 § 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 and/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 which are not described in the permit application or which 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 which 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 TWC 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(14)) 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 or biosolids 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 and/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, and/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 and/or upgrading of the domestic wastewater treatment and/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 and/or collection facilities. In the case of a domestic wastewater treatment facility which 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 Registration 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 § 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 § 335 do not apply, sludge and solid wastes, including tank cleaning and contaminated solids for disposal, shall be disposed of in accordance with THSC § 361.

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SLUDGE PROVISIONS

The permittee is authorized to dispose of sludge only at a Texas Commission on Environmental Quality (TCEQ) authorized land application site, co-disposal landfill, wastewater treatment facility, or facility that further processes sludge. **The disposal of sludge or biosolids by land application on property owned, leased or under the direct control of the permittee is a violation of the permit unless the site is authorized with the TCEQ. This provision does not authorize Distribution and Marketing of Class A or Class AB Biosolids. This provision does not authorize the permittee to land apply biosolids on property owned, leased or under the direct control of the permittee.**

SECTION I. REQUIREMENTS APPLYING TO ALL SEWAGE SLUDGE OR BIOSOLIDS LAND APPLICATION

A. General Requirements

1. The permittee shall handle and dispose of sewage sludge or biosolids in accordance with 30 TAC § 312 and all other applicable state and federal regulations in a manner that protects public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants that may be present in the sludge or biosolids.

2. In all cases, if the person (permit holder) who prepares the sewage sludge supplies the sewage sludge to another person for land application use or to the owner or lease holder of the land, the permit holder shall provide necessary information to the parties who receive the sludge to assure compliance with these regulations.

3. The land application of processed or unprocessed chemical toilet waste, grease trap waste, grit trap waste, milk solids, or similar non-hazardous municipal or industrial solid wastes, or any of the wastes listed in this provision combined with biosolids, WTP residuals or domestic septage is prohibited unless the grease trap waste is added at a fats, oil and grease (FOG) receiving facility as part of an anaerobic digestion process.

B. Testing Requirements

1. Sewage sludge or biosolids shall be tested annually in accordance with the method specified in both 40 CFR Part 261, Appendix II and 40 CFR Part 268, Appendix I [Toxicity Characteristic Leaching Procedure (TCLP)] or other method that receives the prior approval of the TCEQ for the contaminants listed in 40 CFR Part 261.24, Table 1. Sewage sludge or biosolids failing this test shall be managed according to RCRA standards for generators of hazardous waste, and the waste's disposition must be in accordance with all applicable requirements for hazardous waste processing, storage, or disposal. Following failure of any TCLP test, the management or disposal of sewage sludge or biosolids at a facility other than an authorized hazardous waste processing, storage, or disposal facility shall be prohibited until such time as the permittee can demonstrate the sewage sludge or biosolids no longer exhibits the hazardous waste toxicity characteristics (as demonstrated by the results of the TCLP tests). A written report shall be provided to both the TCEQ Registration and Reporting Section (MC 129) of the Permitting and Registration Support Division and the Regional Director (MC Region 11) within seven (7) days after failing the TCLP Test.

The report shall contain test results, certification that unauthorized waste management has stopped, and a summary of alternative disposal plans that comply with RCRA standards for the management of hazardous waste. The report shall be addressed to: Director, Permitting and Registration Support Division (MC 129), Texas Commission on Environmental Quality, P.O. Box 13087, Austin, Texas 78711-3087. In addition, the permittee shall prepare an annual report on the results of all sludge toxicity testing. This annual report shall be submitted to the TCEQ Regional Office (MC Region 11) and the Compliance Monitoring Team (MC 224) of the Enforcement Division by September 30th of each year. The permittee must submit this annual report using the online electronic reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver.

2. Biosolids shall not be applied to the land if the concentration of the pollutants exceeds the pollutant concentration criteria in Table 1. The frequency of testing for pollutants in Table 1 is found in Section I.C. of this permit.

TABLE 1

Pollutant	Ceiling Concentration (Milligrams per kilogram)*
Arsenic	75
Cadmium	85
Chromium	3000
Copper	4300
Lead	840
Mercury	57
Molybdenum	75
Nickel	420
PCBs	49
Selenium	100
Zinc	7500

* Dry weight basis

3. Pathogen Control

All sewage sludge that is applied to agricultural land, forest, a public contact site, or a reclamation site must be treated by one of the following methods to ensure that the sludge meets either the Class A, Class AB or Class B biosolids pathogen requirements.

a. For sewage sludge to be classified as Class A biosolids with respect to pathogens, the density of fecal coliform in the sewage sludge must be less than 1,000 most probable number (MPN) per gram of total solids (dry weight basis), or the density of Salmonella sp. bacteria in the sewage sludge must be less than three MPN per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed. In addition, one of the alternatives listed below must be met:

Alternative 1 - The temperature of the sewage sludge that is used or disposed shall be maintained at or above a specific value for a period of time. See 30 TAC § 312.82(a)(2)(A) for specific information;

Alternative 5 (PFRP) - Sewage sludge that is used or disposed of must be treated in one of the Processes to Further Reduce Pathogens (PFRP) described in 40 CFR Part 503, Appendix B. PFRP include composting, heat drying, heat treatment, and thermophilic aerobic digestion; or

Alternative 6 (PFRP Equivalent) - Sewage sludge that is used or disposed of must be treated in a process that has been approved by the U. S. Environmental Protection Agency as being equivalent to those in Alternative 5.

b. For sewage sludge to be classified as Class AB biosolids with respect to pathogens, the density of fecal coliform in the sewage sludge must be less than 1,000 MPN per gram of total solids (dry weight basis), or the density of *Salmonella* sp. bacteria in the sewage sludge be less than three MPN per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed. In addition, one of the alternatives listed below must be met:

   Alternative 2 - The pH of the sewage sludge that is used or disposed shall be raised to above 12 std. units and shall remain above 12 std. units for 72 hours.

   The temperature of the sewage sludge shall be above 52° Celsius for 12 hours or longer during the period that the pH of the sewage sludge is above 12 std. units.

   At the end of the 72-hour period during which the pH of the sewage sludge is above 12 std. units, the sewage sludge shall be air dried to achieve a percent solids in the sewage sludge greater than 50%; or

   Alternative 3 - The sewage sludge shall be analyzed for enteric viruses prior to pathogen treatment. The limit for enteric viruses is less than one Plaque-forming Unit per four grams of total solids (dry weight basis) either before or following pathogen treatment. See 30 TAC § 312.82(a)(2)(C)(i-iii) for specific information. The sewage sludge shall be analyzed for viable helminth ova prior to pathogen treatment. The limit for viable helminth ova is less than one per four grams of total solids (dry weight basis) either before or following pathogen treatment. See 30 TAC § 312.82(a)(2)(C)(iv-vi) for specific information; or

   Alternative 4 - The density of enteric viruses in the sewage sludge shall be less than one Plaque-forming Unit per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed. The density of viable helminth ova in the sewage sludge shall be less than one per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed.

c. Sewage sludge that meets the requirements of Class AB biosolids may be classified a Class A biosolids if a variance request is submitted in writing that is supported by substantial documentation demonstrating equivalent methods for reducing odors and written approval is granted by the executive director. The executive director may deny the variance request or revoke that approved variance if it is determined that the variance may potentially endanger human health or the environment, or create nuisance odor conditions.

d. Three alternatives are available to demonstrate compliance with Class B biosolids

criteria.

Alternative 1

i. A minimum of seven random samples of the sewage sludge shall be collected within 48 hours of the time the sewage sludge is used or disposed of during each monitoring episode for the sewage sludge.

ii. The geometric mean of the density of fecal coliform in the samples collected shall be less than either 2,000,000 MPN per gram of total solids (dry weight basis) or 2,000,000 Colony Forming Units per gram of total solids (dry weight basis).

Alternative 2 - Sewage sludge that is used or disposed of shall be treated in one of the Processes to Significantly Reduce Pathogens (PSRP) described in 40 CFR Part 503, Appendix B, so long as all of the following requirements are met by the generator of the sewage sludge.

i. Prior to use or disposal, all the sewage sludge must have been generated from a single location, except as provided in paragraph v. below;

ii. An independent Texas Licensed Professional Engineer must make a certification to the generator of a sewage sludge that the wastewater treatment facility generating the sewage sludge is designed to achieve one of the PSRP at the permitted design loading of the facility. The certification need only be repeated if the design loading of the facility is increased. The certification shall include a statement indicating the design meets all the applicable standards specified in Appendix B of 40 CFR Part 503;

iii. Prior to any off-site transportation or on-site use or disposal of any sewage sludge generated at a wastewater treatment facility, the chief certified operator of the wastewater treatment facility or other responsible official who manages the processes to significantly reduce pathogens at the wastewater treatment facility for the permittee, shall certify that the sewage sludge underwent at least the minimum operational requirements necessary in order to meet one of the PSRP. The acceptable processes and the minimum operational and record keeping requirements shall be in accordance with established U.S. Environmental Protection Agency final guidance;

iv. All certification records and operational records describing how the requirements of this paragraph were met shall be kept by the generator for a minimum of three years and be available for inspection by commission staff for review; and

v. If the sewage sludge is generated from a mixture of sources, resulting from a person who prepares sewage sludge from more than one wastewater treatment facility, the resulting derived product shall meet one of the PSRP, and shall meet the certification, operation, and record keeping requirements of this paragraph.

Alternative 3 - Sewage sludge shall be treated in an equivalent process that has been approved by the U.S. Environmental Protection Agency, so long as all of the following requirements are met by the generator of the sewage sludge.

i. Prior to use or disposal, all the sewage sludge must have been generated from a

single location, except as provided in paragraph v. below;

ii. Prior to any off-site transportation or on-site use or disposal of any sewage sludge generated at a wastewater treatment facility, the chief certified operator of the wastewater treatment facility or other responsible official who manages the processes to significantly reduce pathogens at the wastewater treatment facility for the permittee, shall certify that the sewage sludge underwent at least the minimum operational requirements necessary in order to meet one of the PSRP. The acceptable processes and the minimum operational and record keeping requirements shall be in accordance with established U.S. Environmental Protection Agency final guidance;

iii. All certification records and operational records describing how the requirements of this paragraph were met shall be kept by the generator for a minimum of three years and be available for inspection by commission staff for review;

iv. The Executive Director will accept from the U.S. Environmental Protection Agency a finding of equivalency to the defined PSRP; and

v. If the sewage sludge is generated from a mixture of sources resulting from a person who prepares sewage sludge from more than one wastewater treatment facility, the resulting derived product shall meet one of the Processes to Significantly Reduce Pathogens, and shall meet the certification, operation, and record keeping requirements of this paragraph.

In addition to the Alternatives 1 – 3, the following site restrictions must be met if Class B biosolids are land applied:

i. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after application of biosolids.

ii. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after application of biosolids when the biosolids remain on the land surface for 4 months or longer prior to incorporation into the soil.

iii. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months after application of biosolids when the biosolids remain on the land surface for less than 4 months prior to incorporation into the soil.

iv. Food crops, feed crops, and fiber crops shall not be harvested for 30 days after application of biosolids.

v. Domestic livestock shall not be allowed to graze on the land for 30 days after application of biosolids.

vi. Turf grown on land where biosolids are applied shall not be harvested for 1 year after application of the biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn.

vii. Public access to land with a high potential for public exposure shall be restricted for 1 year after application of biosolids.

viii. Public access to land with a low potential for public exposure shall be restricted for 30 days after application of biosolids.

ix. Land application of biosolids shall be in accordance with the buffer zone requirements found in 30 TAC § 312.44.

4. Vector Attraction Reduction Requirements

All bulk sewage sludge that is applied to agricultural land, forest, a public contact site, or a reclamation site shall be treated by one of the following Alternatives 1 through 10 for vector attraction reduction.

Alternative 1 - The mass of volatile solids in the sewage sludge shall be reduced by a minimum of 38%.

Alternative 2 - If Alternative 1 cannot be met for an anaerobically digested sludge, demonstration can be made by digesting a portion of the previously digested sludge anaerobically in the laboratory in a bench-scale unit for 40 additional days at a temperature between 30° and 37° Celsius. Volatile solids must be reduced by less than 17% to demonstrate compliance.

Alternative 3 - If Alternative 1 cannot be met for an aerobically digested sludge, demonstration can be made by digesting a portion of the previously digested sludge with percent solids of two percent or less aerobically in the laboratory in a bench-scale unit for 30 additional days at 20° Celsius. Volatile solids must be reduced by less than 15% to demonstrate compliance.

Alternative 4 - The specific oxygen uptake rate (SOUR) for sewage sludge treated in an aerobic process shall be equal to or less than 1.5 milligrams of oxygen per hour per gram of total solids (dry weight basis) at a temperature of 20° Celsius.

Alternative 5 - Sewage sludge shall be treated in an aerobic process for 14 days or longer. During that time, the temperature of the sewage sludge shall be higher than 40° Celsius and the average temperature of the sewage sludge shall be higher than 45° Celsius.

Alternative 6 - The pH of sewage sludge shall be raised to 12 or higher by alkali addition and, without the addition of more alkali shall remain at 12 or higher for two hours and then remain at a pH of 11.5 or higher for an additional 22 hours at the time the sewage sludge is prepared for sale or given away in a bag or other container.

Alternative 7 - The percent solids of sewage sludge that does not contain unstabilized solids generated in a primary wastewater treatment process shall be equal to or greater than 75% based on the moisture content and total solids prior to mixing with other materials. Unstabilized solids are defined as organic materials in sewage sludge that have not been treated in either an aerobic or anaerobic treatment process.

Alternative 8 - The percent solids of sewage sludge that contains unstabilized solids generated in a primary wastewater treatment process shall be equal to or greater than 90% based on the moisture content and total solids prior to mixing with other materials at the time the sludge is used. Unstabilized solids are defined as organic materials in sewage sludge that have not been treated in either an aerobic or anaerobic treatment process.

Alternative 9 -

i. Biosolids shall be injected below the surface of the land.

ii. No significant amount of the biosolids shall be present on the land surface within one hour after the biosolids are injected.

iii. When sewage sludge that is injected below the surface of the land is Class A or Class AB with respect to pathogens, the biosolids shall be injected below the land surface within eight hours after being discharged from the pathogen treatment process.

Alternative 10-

i. Biosolids applied to the land surface or placed on a surface disposal site shall be incorporated into the soil within six hours after application to or placement on the land.

ii. When biosolids that are incorporated into the soil is Class A or Class AB with respect to pathogens, the biosolids shall be applied to or placed on the land within eight hours after being discharged from the pathogen treatment process.

C. Monitoring Requirements

Toxicity Characteristic Leaching Procedure (TCLP) Test	- annually
PCBs	- annually

All metal constituents and fecal coliform or *Salmonella* sp. bacteria shall be monitored at the appropriate frequency shown below, pursuant to 30 TAC § 312.46(a)(1):

Amount of biosolids (*) metric tons per 365-day period	Monitoring Frequency
0 to less than 290	Once/Year
290 to less than 1,500	Once/Quarter
1,500 to less than 15,000	Once/Two Months
15,000 or greater	Once/Month

(*) *The amount of bulk biosolids applied to the land (dry wt. basis).*

Representative samples of sewage sludge shall be collected and analyzed in accordance with the methods referenced in 30 TAC § 312.7

Identify each of the analytic methods used by the facility to analyze enteric viruses, fecal coliforms, helminth ova, *Salmonella* sp., and other regulated parameters.

Identify in the following categories (as applicable) the sewage sludge or biosolids treatment process or processes at the facility: preliminary operations (e.g., sludge or biosolids grinding and degritting), thickening (concentration), stabilization, anaerobic digestion, aerobic digestion, composting, conditioning, disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization), dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons), heat drying, thermal reduction, and methane or biogas capture and recovery.

Identify the nature of material generated by the facility (such as a biosolid for beneficial use or land-farming, or sewage sludge or biosolids for disposal at a monofill) and whether the material is ultimately conveyed off-site in bulk or in bags.

SECTION II. REQUIREMENTS SPECIFIC TO BULK SEWAGE SLUDGE OR BIOSOLIDS FOR APPLICATION TO THE LAND MEETING CLASS A, CLASS AB or B PATHOGEN REDUCTION AND THE CUMULATIVE LOADING RATES IN TABLE 2, OR CLASS B PATHOGEN REDUCTION AND THE POLLUTANT CONCENTRATIONS IN TABLE 3

For those permittees meeting Class A, Class AB or B pathogen reduction requirements and that meet the cumulative loading rates in Table 2 below, or the Class B pathogen reduction requirements and contain concentrations of pollutants below listed in Table 3, the following conditions apply:

A. Pollutant Limits

Table 2

Pollutant	Cumulative Pollutant Loading Rate (pounds per acre)*
Arsenic	36
Cadmium	35
Chromium	2677
Copper	1339
Lead	268
Mercury	15
Molybdenum	Report Only
Nickel	375
Selenium	89
Zinc	2500

Table 3

Pollutant	Monthly Average Concentration (milligrams per kilogram)*
Arsenic	41
Cadmium	39
Chromium	1200
Copper	1500
Lead	300
Mercury	17
Molybdenum	Report Only
Nickel	420
Selenium	36
Zinc	2800

*Dry weight basis

B. Pathogen Control

All bulk sewage sludge that is applied to agricultural land, forest, a public contact site, a reclamation site, shall be treated by either Class A, Class AB or Class B biosolids pathogen reduction requirements as defined above in Section I.B.3.

C. Management Practices

1. Bulk biosolids shall not be applied to agricultural land, forest, a public contact site, or a reclamation site that is flooded, frozen, or snow-covered so that the bulk sewage sludge enters a wetland or other waters in the State.

2. Bulk biosolids not meeting Class A requirements shall be land applied in a manner which complies with Applicability in accordance with 30 TAC §312.41 and the Management Requirements in accordance with 30 TAC § 312.44.

3. Bulk biosolids shall be applied at or below the agronomic rate of the cover crop.

4. An information sheet shall be provided to the person who receives bulk Class A or AB biosolids sold or given away. The information sheet shall contain the following information:

   a. The name and address of the person who prepared the Class A or AB biosolids that are sold or given away in a bag or other container for application to the land.

   b. A statement that application of the biosolids to the land is prohibited except in accordance with the instruction on the label or information sheet.

   c. The annual whole sludge application rate for the biosolids application rate for the biosolids that does not cause any of the cumulative pollutant loading rates in Table 2 above to be exceeded, unless the pollutant concentrations in Table 3 found in Section II above are met.

D. Notification Requirements

1. If bulk biosolids are applied to land in a State other than Texas, written notice shall be provided prior to the initial land application to the permitting authority for the State in which the bulk biosolids are proposed to be applied. The notice shall include:

   a. The location, by street address, and specific latitude and longitude, of each land application site.

   b. The approximate time period bulk biosolids will be applied to the site.

   c. The name, address, telephone number, and National Pollutant Discharge Elimination System permit number (if appropriate) for the person who will apply the bulk biosolids.

2. The permittee shall give 180 days prior notice to the Executive Director in care of the Wastewater Permitting Section (MC 148) of the Water Quality Division of any change planned in the biosolids disposal practice.

E. Record Keeping Requirements

The documents will be retained at the facility site and/or shall be readily available for review by a TCEQ representative. The person who prepares bulk sewage sludge or a biosolids material shall develop the following information and shall retain the information at the facility site and/or shall be readily available for review by a TCEQ representative for a

period of five years. If the permittee supplies the sludge to another person who land applies the sludge, the permittee shall notify the land applier of the requirements for record keeping found in 30 TAC § 312.47 for persons who land apply.

1. The concentration (mg/kg) in the sludge of each pollutant listed in Table 3 above and the applicable pollutant concentration criteria (mg/kg), or the applicable cumulative pollutant loading rate and the applicable cumulative pollutant loading rate limit (lbs/ac) listed in Table 2 above.

2. A description of how the pathogen reduction requirements are met (including site restrictions for Class AB and Class B biosolids, if applicable).

3. A description of how the vector attraction reduction requirements are met.

4. A description of how the management practices listed above in Section II.C are being met.

5. The following certification statement:

   "I certify, under penalty of law, that the applicable pathogen requirements in 30 TAC § 312.82(a) or (b) and the vector attraction reduction requirements in 30 TAC § 312.83(b) have been met for each site on which bulk biosolids are applied. This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the management practices have been met. I am aware that there are significant penalties for false certification including fine and imprisonment."

6. The recommended agronomic loading rate from the references listed in Section II.C.3. above, as well as the actual agronomic loading rate shall be retained. The person who applies bulk biosolids shall develop the following information and shall retain the information at the facility site and/or shall be readily available for review by a TCEQ representative indefinitely. If the permittee supplies the sludge to another person who land applies the sludge, the permittee shall notify the land applier of the requirements for record keeping found in 30 TAC § 312.47 for persons who land apply:

   a. A certification statement that all applicable requirements (specifically listed) have been met, and that the permittee understands that there are significant penalties for false certification including fine and imprisonment. See 30 TAC § 312.47(a)(4)(A)(ii) or 30 TAC § 312.47(a)(5)(A)(ii), as applicable, and to the permittee's specific sludge treatment activities.

   b. The location, by street address, and specific latitude and longitude, of each site on which biosolids are applied.

   c. The number of acres in each site on which bulk biosolids are applied.

   d. The date and time biosolids are applied to each site.

   e. The cumulative amount of each pollutant in pounds/acre listed in Table 2 applied to each site.

   f. The total amount of biosolids applied to each site in dry tons.

The above records shall be maintained on-site on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.

F. Reporting Requirements

The permittee shall report annually to the TCEQ Regional Office (MC Region 11) and Compliance Monitoring Team (MC 224) of the Enforcement Division, by September 30th of each year the following information. The permittee must submit this annual report using the online electronic reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver.

1. Identify in the following categories (as applicable) the sewage sludge or biosolids treatment process or processes at the facility: preliminary operations (e.g., sludge or biosolids grinding and degritting), thickening (concentration), stabilization, anaerobic digestion, aerobic digestion, composting, conditioning, disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization), dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons), heat drying, thermal reduction, and methane or biogas capture and recovery.

2. Identify the nature of material generated by the facility (such as a biosolid for beneficial use or land-farming, or sewage sludge for disposal at a monofill) and whether the material is ultimately conveyed off-site in bulk or in bags.

3. Results of tests performed for pollutants found in either Table 2 or 3 as appropriate for the permittee's land application practices.

4. The frequency of monitoring listed in Section I.C. that applies to the permittee.

5. Toxicity Characteristic Leaching Procedure (TCLP) results.

6. PCB concentration in sludge or biosolids in mg/kg.

7. Identity of hauler(s) and TCEQ transporter number.

8. Date(s) of transport.

9. Texas Commission on Environmental Quality registration number, if applicable.

10. Amount of sludge or biosolids disposal dry weight (lbs/acre) at each disposal site.

11. The concentration (mg/kg) in the sludge of each pollutant listed in Table 1 (defined as a monthly average) as well as the applicable pollutant concentration criteria (mg/kg) listed in Table 3 above, or the applicable pollutant loading rate limit (lbs/acre) listed in Table 2 above if it exceeds 90% of the limit.

12. Level of pathogen reduction achieved (Class A, Class AB or Class B).

13. Alternative used as listed in Section I.B.3.(a. or b.). Alternatives describe how the pathogen reduction requirements are met. If Class B biosolids, include information on how site restrictions were met.

14. Identify each of the analytic methods used by the facility to analyze enteric viruses, fecal coliforms, helminth ova, *Salmonella* sp., and other regulated parameters.

15. Vector attraction reduction alternative used as listed in Section I.B.4.

16. Amount of sludge or biosolids transported in dry tons/year.

17. The certification statement listed in either 30 TAC § 312.47(a)(4)(A)(ii) or 30 TAC § 312.47(a)(5)(A)(ii) as applicable to the permittee's sludge or biosolids treatment activities, shall be attached to the annual reporting form.

18. When the amount of any pollutant applied to the land exceeds 90% of the cumulative pollutant loading rate for that pollutant, as described in Table 2, the permittee shall report the following information as an attachment to the annual reporting form.

    a. The location, by street address, and specific latitude and longitude.

    b. The number of acres in each site on which bulk biosolids are applied.

    c. The date and time bulk biosolids are applied to each site.

    d. The cumulative amount of each pollutant (i.e., pounds/acre) listed in Table 2 in the bulk biosolids applied to each site.

    e. The amount of biosolids (i.e., dry tons) applied to each site.

    The above records shall be maintained on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.

SECTION III. REQUIREMENTS APPLYING TO ALL SEWAGE SLUDGE OR BIOSOLIDS DISPOSED IN A MUNICIPAL SOLID WASTE LANDFILL

A. The permittee shall handle and dispose of sewage sludge or biosolids in accordance with 30 TAC § 330 and all other applicable state and federal regulations to protect public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants that may be present. The permittee shall ensure that the sewage sludge meets the requirements in 30 TAC § 330 concerning the quality of the sludge or biosolids disposed in a municipal solid waste landfill.

B. If the permittee generates sewage sludge and supplies that sewage sludge or biosolids to the owner or operator of a municipal solid waste landfill (MSWLF) for disposal, the permittee shall provide to the owner or operator of the MSWLF appropriate information needed to be in compliance with the provisions of this permit.

C. The permittee shall give 180 days prior notice to the Executive Director in care of the Wastewater Permitting Section (MC 148) of the Water Quality Division of any change planned in the sewage sludge or biosolids disposal practice.

D. Sewage sludge or biosolids shall be tested annually in accordance with the method specified in both 40 CFR Part 261, Appendix II and 40 CFR Part 268, Appendix I (Toxicity Characteristic Leaching Procedure) or other method, which receives the prior approval of the TCEQ for contaminants listed in Table 1 of 40 CFR § 261.24. Sewage sludge or biosolids failing this test shall be managed according to RCRA standards for generators of hazardous waste, and the waste's disposition must be in accordance with all applicable requirements for hazardous waste processing, storage, or disposal.

   Following failure of any TCLP test, the management or disposal of sewage sludge or biosolids at a facility other than an authorized hazardous waste processing, storage, or disposal facility shall be prohibited until such time as the permittee can demonstrate the sewage sludge or biosolids no longer exhibits the hazardous waste toxicity characteristics (as demonstrated by the results of the TCLP tests). A written report shall be provided to both the TCEQ Registration and Reporting Section (MC 129) of the Permitting and Registration Support Division and the Regional Director (MC Region 11) of the appropriate TCEQ field office within 7 days after failing the TCLP Test.

   The report shall contain test results, certification that unauthorized waste management has stopped, and a summary of alternative disposal plans that comply with RCRA standards for the management of hazardous waste. The report shall be addressed to: Director, Permitting and Registration Support Division (MC 129), Texas Commission on Environmental Quality, P. O. Box 13087, Austin, Texas 78711-3087. In addition, the permittee shall prepare an annual report on the results of all sludge toxicity testing. This annual report shall be submitted to the TCEQ Regional Office (MC Region 11) and the Compliance Monitoring Team (MC 224) of the Enforcement Division by September 30 of each year.

E. Sewage sludge or biosolids shall be tested as needed, in accordance with the requirements of 30 TAC Chapter 330.

F. Record Keeping Requirements

   The permittee shall develop the following information and shall retain the information for five years.

1. The description (including procedures followed and the results) of all liquid Paint Filter Tests performed.

2. The description (including procedures followed and results) of all TCLP tests performed.

The above records shall be maintained on-site on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.

G. Reporting Requirements

The permittee shall report annually to the TCEQ Regional Office (MC Region 11) and Compliance Monitoring Team (MC 224) of the Enforcement Division by September 30th of each year the following information. The permittee must submit this annual report using the online electronic reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver.

1. Identify in the following categories (as applicable) the sewage sludge or biosolids treatment process or processes at the facility: preliminary operations (e.g., sludge or biosolids grinding and degritting), thickening (concentration), stabilization, anaerobic digestion, aerobic digestion, composting, conditioning, disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization), dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons), heat drying, thermal reduction, and methane or biogas capture and recovery.

2. Toxicity Characteristic Leaching Procedure (TCLP) results.

3. Annual sludge or biosolids production in dry tons/year.

4. Amount of sludge or biosolids disposed in a municipal solid waste landfill in dry tons/year.

5. Amount of sludge or biosolids transported interstate in dry tons/year.

6. A certification that the sewage sludge or biosolids meets the requirements of 30 TAC § 330 concerning the quality of the sludge disposed in a municipal solid waste landfill.

7. Identity of hauler(s) and transporter registration number.

8. Owner of disposal site(s).

9. Location of disposal site(s).

10. Date(s) of disposal.

The above records shall be maintained on-site on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.

SECTION IV. REQUIREMENTS APPLYING TO SLUDGE OR BIOSOLIDS TRANSPORTED TO ANOTHER FACILITY FOR FURTHER PROCESSING

These provisions apply to sludge or biosolids that is transported to another wastewater treatment facility or facility that further processes sludge or biosolids. These provisions are intended to allow transport of sludge or biosolids to facilities that have been authorized to accept sludge or biosolids. These provisions do not limit the ability of the receiving facility to determine whether to accept the sludge or biosolids, nor do they limit the ability of the receiving facility to request additional testing or documentation.

A. General Requirements

1. The permittee shall handle and dispose of sewage sludge or biosolids in accordance with 30 TAC Chapter 312 and all other applicable state and federal regulations in a manner that protects public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants that may be present in the sludge.

2. Sludge or biosolids may only be transported using a registered transporter or using an approved pipeline.

B. Record Keeping Requirements

1. For sludge transported by an approved pipeline, the permittee must maintain records of the following:

   a. the amount of sludge or biosolids transported;

   b. the date of transport;

   c. the name and TCEQ permit number of the receiving facility or facilities;

   d. the location of the receiving facility or facilities;

   e. the name and TCEQ permit number of the facility that generated the waste; and

   f. copy of the written agreement between the permittee and the receiving facility to accept sludge or biosolids.

2. For sludge or biosolids transported by a registered transporter, the permittee must maintain records of the completed trip tickets in accordance with 30 TAC § 312.145(a)(1)-(7) and amount of sludge or biosolids transported.

3. The above records shall be maintained on-site on a monthly basis and shall be made available to the TCEQ upon request. These records shall be retained for at least five years.

C. Reporting Requirements

The permittee shall report the following information annually to the TCEQ Regional Office (MC Region 11) and Compliance Monitoring Team (MC 224) of the Enforcement Division, by September 30th of each year. The permittee must submit this annual report using the online electronic reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver.

1. Identify in the following categories (as applicable) the sewage sludge or biosolids treatment process or processes at the facility: preliminary operations (e.g., sludge or biosolids grinding and degritting), thickening (concentration), stabilization, anaerobic digestion, aerobic digestion, composting, conditioning, disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization), dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons), heat drying, thermal reduction, and methane or biogas capture and recovery.

2. the annual sludge or biosolids production;

3. the amount of sludge or biosolids transported;

4. the owner of each receiving facility;

5. the location of each receiving facility; and

6. the date(s) of disposal at each receiving facility.

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OTHER REQUIREMENTS

1. The permittee shall employ or contract with one or more licensed wastewater treatment facility operators or wastewater system operations companies holding a valid license or registration according to the requirements of 30 TAC Chapter 30, Occupational Licenses and Registrations, and in particular 30 TAC Chapter 30, Subchapter J, Wastewater Operators and Operations Companies.

   This Category B facility must be operated by a chief operator or an operator holding a Class B license or higher. The facility must be operated a minimum of five days per week by the licensed chief operator or an operator holding the required level of license or higher. The licensed chief operator or operator holding the required level of license or higher must be available by telephone or pager seven days per week. Where shift operation of the wastewater treatment facility is necessary, each shift that does not have the on-site supervision of the licensed chief operator must be supervised by an operator in charge who is licensed not less than one level below the category for the facility.

2. The facility is not located in the Coastal Management Program boundary.

3. Chronic toxic criteria apply at the edge of the mixing zone. The mixing zone is defined as 300 feet downstream and 100 feet upstream from the point of discharge.

4. The permittee shall comply with the requirements of 30 TAC § 309.13(a) through (d). In addition, by ownership of the required buffer zone area, the permittee shall comply with the requirements of 30 TAC § 309.13(e).

5. The permittee shall provide facilities for the protection of its wastewater treatment facility from a 100-year flood.

6. The permittee shall monitor and report monthly the amount of effluent use under the reuse program as outfall 101 in accordance with the requirements of 30 TAC Chapter 210. Information reported to the TCEQ must meet the requirements of 30 TAC Chapter 210 Subchapter B including: (a) the volume of reclaimed water delivered to a user; (b) use of reclaimed water listed according to each user; (c) quality of reclaimed water delivered to user reported as a monthly average for each quality criteria except those listed as not to exceed values which shall be reported as individual analyses.

7. In accordance with 30 TAC § 319.9, a permittee that has at least twelve months of uninterrupted compliance with its bacteria limit may notify the commission in writing of its compliance and request a less frequent measurement schedule. To request a less frequent schedule, the permittee shall submit a written request to the TCEQ Wastewater Permitting Section (MC 148) for each phase that includes a different monitoring frequency. The request must contain all of the reported bacteria values (Daily Avg. and Daily Max/Single Grab) for the twelve consecutive months immediately prior to the request. If the Executive Director finds that a less frequent measurement schedule is protective of human health and the environment, the permittee may be given a less frequent measurement schedule. For this permit, one/week may be reduced to two. **A violation of any bacteria limit by a facility that has been granted a less frequent measurement schedule will require the permittee to return to the standard frequency schedule and submit written notice to the TCEQ Wastewater Permitting Section (MC 148).** The permittee may not apply for another reduction in measurement frequency for at least 24 months from the date of the last violation. The Executive Director may establish a more frequent measurement schedule if necessary to protect human health or the environment.

CONTRIBUTING INDUSTRIES AND PRETREATMENT REQUIREMENTS

1. The following pollutants may not be introduced into the treatment facility:

   a. Pollutants which create a fire or explosion hazard in the publicly owned treatment works (POTW), including, but not limited to, waste streams with a closed-cup flash point of less than 140° Fahrenheit (60° Celsius) using the test methods specified in 40 CFR § 261.21;

   b. Pollutants which will cause corrosive structural damage to the POTW, but in no case shall there be discharges with a pH lower than 5.0 standard units, unless the works are specifically designed to accommodate such discharges;

   c. Solid or viscous pollutants in amounts which will cause obstruction to the flow in the POTW, resulting in Interference;

   d. Any pollutant, including oxygen-demanding pollutants (e.g., biochemical oxygen demand), released in a discharge at a flow rate and/or pollutant concentration which will cause Interference with the POTW;

   e. Heat in amounts which will inhibit biological activity in the POTW, resulting in Interference, but in no case shall there be heat in such quantities that the temperature at the POTW treatment plant exceeds 104° Fahrenheit (40° Celsius) unless the Executive Director, upon request of the POTW, approves alternate temperature limits;

   f. Petroleum oil, nonbiodegradable cutting oil, or products of mineral oil origin in amounts that will cause Interference or Pass Through;

   g. Pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity that may cause acute worker health and safety problems; and

   h. Any trucked or hauled pollutants except at discharge points designated by the POTW.

2. The permittee shall require any indirect discharger to the treatment works to comply with the reporting requirements of Sections 204(b), 307, and 308 of the Clean Water Act, including any requirements established under 40 CFR Part 403 [*rev. Federal Register/ Vol. 70/ No. 198/ Friday, October 14, 2005/ Rules and Regulations, pages 60134-60798*].

3. The permittee shall provide adequate notification to the Executive Director, care of the Wastewater Permitting Section (MC 148) of the Water Quality Division, within 30 days subsequent to the permittee's knowledge of either of the following:

   a. Any new introduction of pollutants into the treatment works from an indirect discharger which would be subject to Sections 301 and 306 of the Clean Water Act if it were directly discharging those pollutants; and

   b. Any substantial change in the volume or character of pollutants being introduced into the treatment works by a source introducing pollutants into the treatment works at the time of issuance of the permit.

   Any notice shall include information on the quality and quantity of effluent to be introduced into the treatment works and any anticipated impact of the change on the quality or quantity of effluent to be discharged from the POTW.

Revised July 2007

BIOMONITORING REQUIREMENTS

CHRONIC BIOMONITORING REQUIREMENTS: FRESHWATER

The provisions of this section apply to Outfall 001 for whole effluent toxicity (WET) testing.

1. Scope, Frequency, and Methodology

   a. The permittee shall test the effluent for toxicity in accordance with the provisions below. Such testing will determine if an appropriately dilute effluent sample adversely affects the survival, reproduction, or growth of the test organisms.

   b. The permittee shall conduct the following toxicity tests using the test organisms, procedures, and quality assurance requirements specified in this part of this permit and in accordance with "Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms," fourth edition (EPA-821-R-02-013) or its most recent update:

      1) Chronic static renewal survival and reproduction test using the water flea (*Ceriodaphnia dubia*) (Method 1002.0). This test should be terminated when 60% of the surviving adults in the control produce three broods or at the end of eight days, whichever occurs first. This test shall be conducted once per quarter.

      2) Chronic static renewal 7-day larval survival and growth test using the fathead minnow (*Pimephales promelas*) (Method 1000.0). A minimum of five replicates with eight organisms per replicate shall be used in the control and in each dilution. This test shall be conducted once per quarter.

      The permittee must perform and report a valid test for each test species during the prescribed reporting period. An invalid test must be repeated during the same reporting period. An invalid test is defined as any test failing to satisfy the test acceptability criteria, procedures, and quality assurance requirements specified in the test methods and permit.

   c. The permittee shall use five effluent dilution concentrations and a control in each toxicity test. These effluent dilution concentrations are 28%, 37%, 50%, 66%, and 89% effluent. The critical dilution, defined as 89% effluent, is the effluent concentration representative of the proportion of effluent in the receiving water during critical low flow or critical mixing conditions.

   d. This permit may be amended to require a WET limit, a chemical-specific effluent limit, a best management practice, or other appropriate actions to address toxicity. The permittee may be required to conduct a toxicity reduction evaluation (TRE) after multiple toxic events.

   e. Testing Frequency Reduction

      1) If none of the first four consecutive quarterly tests demonstrates significant toxicity, the permittee may submit this information in writing and, upon approval, reduce the testing frequency to once per six months for the invertebrate test species and once per year for the vertebrate test species.

      2) If one or more of the first four consecutive quarterly tests demonstrates significant toxicity, the permittee shall continue quarterly testing for that species until this permit is reissued. If a testing frequency reduction had been previously granted

and a subsequent test demonstrates significant toxicity, the permittee shall resume a quarterly testing frequency for that species until this permit is reissued.

2. Required Toxicity Testing Conditions

a. Test Acceptance - The permittee shall repeat any toxicity test, including the control and all effluent dilutions, which fail to meet the following criteria:

1) a control mean survival of 80% or greater;

2) a control mean number of water flea neonates per surviving adult of 15 or greater;

3) a control mean dry weight of surviving fathead minnow larvae of 0.25 mg or greater;

4) a control coefficient of variation percent (CV%) of 40 or less in between replicates for the young of surviving females in the water flea test; and the growth and survival endpoints in the fathead minnow test;

5) a critical dilution CV% of 40 or less for the young of surviving females in the water flea test; and the growth and survival endpoints for the fathead minnow test. However, if statistically significant lethal or nonlethal effects are exhibited at the critical dilution, a CV% greater than 40 shall not invalidate the test;

6) a percent minimum significant difference of 47 or less for water flea reproduction; and

7) a percent minimum significant difference of 30 or less for fathead minnow growth.

b. Statistical Interpretation

1) For the water flea survival test, the statistical analyses used to determine if there is a significant difference between the control and an effluent dilution shall be the Fisher's exact test as described in the manual referenced in in Part 1.b.

2) For the water flea reproduction test and the fathead minnow larval survival and growth tests, the statistical analyses used to determine if there is a significant difference between the control and an effluent dilution shall be in accordance with the manual referenced in Part 1.b.

3) The permittee is responsible for reviewing test concentration-response relationships to ensure that calculated test-results are interpreted and reported correctly. The document entitled "Method Guidance and Recommendation for Whole Effluent Toxicity (WET) Testing (40 CFR Part 136)" (EPA 821-B-00-004) provides guidance on determining the validity of test results.

4) If significant lethality is demonstrated (that is, there is a statistically significant difference in survival at the critical dilution when compared to the survival in the control), the conditions of test acceptability are met, and the survival of the test organisms are equal to or greater than 80% in the critical dilution and all dilutions below that, then the permittee shall report a survival No Observed Effect Concentration (NOEC) of not less than the critical dilution for the reporting requirements.

5) The NOEC is defined as the greatest effluent dilution at which no significant effect is demonstrated. The Lowest Observed Effect Concentration (LOEC) is defined as the lowest effluent dilution at which a significant effect is demonstrated. A significant effect is defined as a statistically significant difference between the survival, reproduction, or growth of the test organism in a specified effluent dilution when compared to the survival, reproduction, or growth of the test organism in the control.

6) The use of NOECs and LOECs assumes either a monotonic (continuous) concentration-response relationship or a threshold model of the concentration-response relationship. For any test result that demonstrates a non-monotonic (non-continuous) response, the NOEC should be determined based on the guidance manual referenced in Item 3.

7) Pursuant to the responsibility assigned to the permittee in Part 2.b.3), test results that demonstrate a non-monotonic (non-continuous) concentration-response relationship may be submitted, prior to the due date, for technical review. The guidance manual referenced in Item 3 will be used when making a determination of test acceptability.

8) TCEQ staff will review test results for consistency with rules, procedures, and permit requirements.

c. Dilution Water

1) Dilution water used in the toxicity tests must be the receiving water collected at a point upstream of the discharge point as close as possible to the discharge point but unaffected by the discharge. Where the toxicity tests are conducted on effluent discharges to receiving waters that are classified as intermittent streams, or where the toxicity tests are conducted on effluent discharges where no receiving water is available due to zero flow conditions, the permittee shall:

a) substitute a synthetic dilution water that has a pH, hardness, and alkalinity similar to that of the closest downstream perennial water unaffected by the discharge; or

b) use the closest downstream perennial water unaffected by the discharge.

2) Where the receiving water proves unsatisfactory as a result of pre-existing instream toxicity (i.e. fails to fulfill the test acceptance criteria of Part 2.a.), the permittee may substitute synthetic dilution water for the receiving water in all subsequent tests provided the unacceptable receiving water test met the following stipulations:

a) a synthetic lab water control was performed (in addition to the receiving water control) which fulfilled the test acceptance requirements of Part 2.a;

b) the test indicating receiving water toxicity was carried out to completion (i.e., 7 days); and

c) the permittee submitted all test results indicating receiving water toxicity with the reports and information required in Part 3.

3) The synthetic dilution water shall consist of standard, moderately hard,

reconstituted water. Upon approval, the permittee may substitute other appropriate dilution water with chemical and physical characteristics similar to that of the receiving water.

d. Samples and Composites

1) The permittee shall collect a minimum of three composite samples from Outfall 001. The second and third composite samples will be used for the renewal of the dilution concentrations for each toxicity test.

2) The permittee shall collect the composite samples such that the samples are representative of any periodic episode of chlorination, biocide usage, or other potentially toxic substance being discharged on an intermittent basis.

3) The permittee shall initiate the toxicity tests within 36 hours after collection of the last portion of the first composite sample. The holding time for any subsequent composite sample shall not exceed 72 hours. Samples shall be maintained at a temperature of 0-6 degrees Centigrade during collection, shipping, and storage.

4) If Outfall 001 ceases discharging during the collection of effluent samples, the requirements for the minimum number of effluent samples, the minimum number of effluent portions, and the sample holding time are waived during that sampling period. However, the permittee must have collected an effluent composite sample volume sufficient to complete the required toxicity tests with renewal of the effluent. When possible, the effluent samples used for the toxicity tests shall be collected on separate days if the discharge occurs over multiple days. The sample collection duration and the static renewal protocol associated with the abbreviated sample collection must be documented in the full report.

5) The effluent samples shall not be dechlorinated after sample collection.

3. Reporting

All reports, tables, plans, summaries, and related correspondence required in this section shall be submitted to the attention of the Standards Implementation Team (MC 150) of the Water Quality Division.

a. The permittee shall prepare a full report of the results of all tests conducted in accordance with the manual referenced in Part 1.b. for every valid and invalid toxicity test initiated whether carried to completion or not.

b. The permittee shall routinely report the results of each biomonitoring test on the Table 1 forms provided with this permit.

1) Annual biomonitoring test results are due on or before January 20th for biomonitoring conducted during the previous 12-month period.

2) Semiannual biomonitoring test results are due on or before July 20th and January 20th for biomonitoring conducted during the previous 6-month period.

3) Quarterly biomonitoring test results are due on or before April 20th, July 20th, October 20th, and January 20th for biomonitoring conducted during the previous calendar quarter.

4) Monthly biomonitoring test results are due on or before the 20th day of the month following sampling.

c. Enter the following codes for the appropriate parameters for valid tests only:

1) For the water flea, Parameter TLP3B, enter a "1" if the NOEC for survival is less than the critical dilution; otherwise, enter a "0."

2) For the water flea, Parameter TOP3B, report the NOEC for survival.

3) For the water flea, Parameter TXP3B, report the LOEC for survival.

4) For the water flea, Parameter TWP3B, enter a "1" if the NOEC for reproduction is less than the critical dilution; otherwise, enter a "0."

5) For the water flea, Parameter TPP3B, report the NOEC for reproduction.

6) For the water flea, Parameter TYP3B, report the LOEC for reproduction.

7) For the fathead minnow, Parameter TLP6C, enter a "1" if the NOEC for survival is less than the critical dilution; otherwise, enter a "0."

8) For the fathead minnow, Parameter TOP6C, report the NOEC for survival.

9) For the fathead minnow, Parameter TXP6C, report the LOEC for survival.

10) For the fathead minnow, Parameter TWP6C, enter a "1" if the NOEC for growth is less than the critical dilution; otherwise, enter a "0."

11) For the fathead minnow, Parameter TPP6C, report the NOEC for growth.

12) For the fathead minnow, Parameter TYP6C, report the LOEC for growth.

d. Enter the following codes for retests only:

1) For retest number 1, Parameter 22415, enter a "1" if the NOEC for survival is less than the critical dilution; otherwise, enter a "0."

2) For retest number 2, Parameter 22416, enter a "1" if the NOEC for survival is less than the critical dilution; otherwise, enter a "0."

4. Persistent Toxicity

The requirements of this Part apply only when a test demonstrates a significant effect at the critical dilution. Significant lethality and significant effect were defined in Part 2.b. Significant sublethality is defined as a statistically significant difference in growth/reproduction at the critical dilution when compared to the growth/reproduction in the control.

a. The permittee shall conduct a total of 2 additional tests (retests) for any species that demonstrates a significant effect (lethal or sublethal) at the critical dilution. The two retests shall be conducted monthly during the next two consecutive months. The permittee shall not substitute either of the two retests in lieu of routine toxicity testing. All reports shall be submitted within 20 days of test completion. Test completion is defined as the last day of the test.

b. If the retests are performed due to a demonstration of significant lethality, and one or both of the two retests specified in Part 4.a. demonstrates significant lethality, the permittee shall initiate the TRE requirements as specified in Part 5. The provisions of Part 4.a. are suspended upon completion of the two retests and submittal of the TRE action plan and schedule defined in Part 5.

If neither test demonstrates significant lethality and the permittee is testing under the reduced testing frequency provision of Part 1.e., the permittee shall return to a quarterly testing frequency for that species.

c. If the two retests are performed due to a demonstration of significant sublethality, and one or both of the two retests specified in Part 4.a. demonstrates significant lethality, the permittee shall again perform two retests as stipulated in Part 4.a.

d. If the two retests are performed due to a demonstration of significant sublethality, and neither test demonstrates significant lethality, the permittee shall continue testing at the quarterly frequency.

e. Regardless of whether retesting for lethal or sublethal effects, or a combination of the two, no more than one retest per month is required for a species.

5. Toxicity Reduction Evaluation

a. Within 45 days of the retest that demonstrates significant lethality, or within 45 days of being so instructed due to multiple toxic events, the permittee shall submit a general outline for initiating a TRE. The outline shall include, but not be limited to, a description of project personnel, a schedule for obtaining consultants (if needed), a discussion of influent and effluent data available for review, a sampling and analytical schedule, and a proposed TRE initiation date.

b. Within 90 days of the retest that demonstrates significant lethality, or within 90 days of being so instructed due to multiple toxic events, the permittee shall submit a TRE action plan and schedule for conducting a TRE. The plan shall specify the approach and methodology to be used in performing the TRE. A TRE is a step-wise investigation combining toxicity testing with physical and chemical analyses to determine actions necessary to eliminate or reduce effluent toxicity to a level not effecting significant lethality at the critical dilution. The TRE action plan shall describe an approach for the reduction or elimination of lethality for both test species defined in Part 1.b. At a minimum, the TRE action plan shall include the following:

1) Specific Activities - The TRE action plan shall specify the approach the permittee intends to utilize in conducting the TRE, including toxicity characterizations, identifications, confirmations, source evaluations, treatability studies, and alternative approaches. When conducting characterization analyses, the permittee shall perform multiple characterizations and follow the procedures specified in the document entitled “Toxicity Identification Evaluation: Characterization of Chronically Toxic Effluents, Phase I” (EPA/600/6-91/005F) or alternate procedures. The permittee shall perform multiple identifications and follow the methods specified in the documents entitled “Methods for Aquatic Toxicity Identification Evaluations, Phase II Toxicity Identification Procedures for Samples Exhibiting Acute and Chronic Toxicity” (EPA/600/R-92/080) and “Methods for Aquatic Toxicity Identification Evaluations: Phase III Toxicity Confirmation Procedures for Samples Exhibiting Acute and Chronic Toxicity” (EPA/600/R-

92/081). All characterization, identification, and confirmation tests shall be conducted in an orderly and logical progression;

2) Sampling Plan - The TRE action plan should describe sampling locations, methods, holding times, chain of custody, and preservation techniques. The effluent sample volume collected for all tests shall be adequate to perform the toxicity characterization/identification/confirmation procedures and chemical-specific analyses when the toxicity tests show significant lethality. Where the permittee has identified or suspects a specific pollutant and source of effluent toxicity, the permittee shall conduct, concurrent with toxicity testing, chemical-specific analyses for the identified and suspected pollutant and source of effluent toxicity;

3) Quality Assurance Plan - The TRE action plan should address record keeping and data evaluation, calibration and standardization, baseline tests, system blanks, controls, duplicates, spikes, toxicity persistence in the samples, randomization, reference toxicant control charts, and mechanisms to detect artifactual toxicity; and

4) Project Organization - The TRE action plan should describe the project staff, project manager, consulting engineering services (where applicable), consulting analytical and toxicological services, etc.

c. Within 30 days of submittal of the TRE action plan and schedule, the permittee shall implement the TRE.

d. The permittee shall submit quarterly TRE activities reports concerning the progress of the TRE. The quarterly reports are due on or before April 20th, July 20th, October 20th, and January 20th. The report shall detail information regarding the TRE activities including:

1) results and interpretation of any chemical-specific analyses for the identified and suspected pollutant performed during the quarter;

2) results and interpretation of any characterization, identification, and confirmation tests performed during the quarter;

3) any data and substantiating documentation which identifies the pollutant(s) and source of effluent toxicity;

4) results of any studies/evaluations concerning the treatability of the facility's effluent toxicity;

5) any data that identifies effluent toxicity control mechanisms that will reduce effluent toxicity to the level necessary to meet no significant lethality at the critical dilution; and

6) any changes to the initial TRE plan and schedule that are believed necessary as a result of the TRE findings.

e. During the TRE, the permittee shall perform, at a minimum, quarterly testing using the more sensitive species. Testing for the less sensitive species shall continue at the frequency specified in Part 1.b.

f. If the effluent ceases to effect significant lethality, i.e., there is a cessation of lethality, the

permittee may end the TRE. A cessation of lethality is defined as no significant lethality for a period of 12 consecutive months with at least monthly testing. At the end of the 12 months, the permittee shall submit a statement of intent to cease the TRE and may then resume the testing frequency specified in Part 1.b.

This provision accommodates situations where operational errors and upsets, spills, or sampling errors triggered the TRE, in contrast to a situation where a single toxicant or group of toxicants cause lethality. This provision does not apply as a result of corrective actions taken by the permittee. Corrective actions are defined as proactive efforts that eliminate or reduce effluent toxicity. These include, but are not limited to, source reduction or elimination, improved housekeeping, changes in chemical usage, and modifications of influent streams and effluent treatment.

The permittee may only apply this cessation of lethality provision once. If the effluent again demonstrates significant lethality to the same species, the permit will be amended to add a WET limit with a compliance period, if appropriate. However, prior to the effective date of the WET limit, the permittee may apply for a permit amendment removing and replacing the WET limit with an alternate toxicity control measure by identifying and confirming the toxicant and an appropriate control measure.

g. The permittee shall complete the TRE and submit a final report on the TRE activities no later than 28 months from the last test day of the retest that confirmed significant lethal effects at the critical dilution. The permittee may petition the Executive Director (in writing) for an extension of the 28-month limit. However, to warrant an extension the permittee must have demonstrated due diligence in its pursuit of the toxicity identification evaluation/TRE and must prove that circumstances beyond its control stalled the toxicity identification evaluation/TRE. The report shall provide information pertaining to the specific control mechanism selected that will, when implemented, result in the reduction of effluent toxicity to no significant lethality at the critical dilution. The report shall also provide a specific corrective action schedule for implementing the selected control mechanism.

h. Based on the results of the TRE and proposed corrective actions, this permit may be amended to modify the biomonitoring requirements, where necessary, require a compliance schedule for implementation of corrective actions, specify a WET limit, specify a best management practice, and specify a chemical-specific limit.

i. Copies of any and all required TRE plans and reports shall also be submitted to the U.S. EPA Region 6 office, 6WQ-PO.

TABLE 1 (SHEET 1 OF 4)

BIOMONITORING REPORTING

CERIODAPHNIA DUBIA SURVIVAL AND REPRODUCTION

Dates and Times Composites Collected

Date Time Date Time

No. 1 FROM: _____ TO: _____

No. 2 FROM: _____ TO: _____

No. 3 FROM:_____ TO: _____

Test initiated: _____am/pm _____date

Dilution water used: _____ Receiving water _____ Synthetic Dilution water

NUMBER OF YOUNG PRODUCED PER ADULT AT END OF TEST

REP	Percent effluent					
	0%	28%	37%	50%	66%	89%
A						
B						
C						
D						
E						
F						
G						
H						
I						
J						
Survival Mean						
Total Mean						
CV%*						
PMSD						

*Coefficient of Variation = standard deviation x 100/mean (calculation based on young of the surviving adults)
Designate males (M), and dead females (D), along with number of neonates (x) released prior to death.

TABLE 1 (SHEET 2 OF 4)

CERIODAPHNIA DUBIA SURVIVAL AND REPRODUCTION TEST

1. Dunnett's Procedure or Steel's Many-One Rank Test or Wilcoxon Rank Sum Test (with Bonferroni adjustment) or t-test (with Bonferroni adjustment) as appropriate:

   Is the mean number of young produced per adult significantly less than the number of young per adult in the control for the % effluent corresponding to significant nonlethal effects?

   CRITICAL DILUTION (89%): _____ YES _____ NO

PERCENT SURVIVAL

	Percent effluent					
Time of Reading	0%	28%	37%	50%	66%	89%
24h						
48h						
End of Test						

2. Fisher's Exact Test:

   Is the mean survival at test end significantly less than the control survival for the % effluent corresponding to lethality?

   CRITICAL DILUTION (89%): _____ YES _____ NO

3. Enter percent effluent corresponding to each NOEC\LOEC below:

   a.) NOEC survival = _____% effluent

   b.) LOEC survival = _____% effluent

   c.) NOEC reproduction = _____% effluent

   d.) LOEC reproduction = _____% effluent

TABLE 1 (SHEET 3 OF 4)

BIOMONITORING REPORTING

FATHEAD MINNOW LARVAE GROWTH AND SURVIVAL

Dates and Times Composites Collected

Date Time Date Time

No. 1 FROM: _____ TO: _____

No. 2 FROM: _____ TO: _____

No. 3 FROM: _____ TO: _____

Test initiated: _____am/pm _____date

Dilution water used: _____ Receiving water _____ Synthetic dilution water

FATHEAD MINNOW GROWTH DATA

Effluent Concentration	Average Dry Weight in replicate chambers					Mean Dry Weight	CV%*
	A	B	C	D	E		
0%							
28%							
37%							
50%							
66%							
89%							
PMSD							

* Coefficient of Variation = standard deviation x 100/mean

1. Dunnett's Procedure or Steel's Many-One Rank Test or Wilcoxon Rank Sum Test (with Bonferroni adjustment) or t-test (with Bonferroni adjustment) as appropriate:

   Is the mean dry weight (growth) at 7 days significantly less than the control's dry weight (growth) for the % effluent corresponding to significant nonlethal effects?

   CRITICAL DILUTION (89%): _____ YES _____ NO

TABLE 1 (SHEET 4 OF 4)

BIOMONITORING REPORTING

FATHEAD MINNOW GROWTH AND SURVIVAL TEST

FATHEAD MINNOW SURVIVAL DATA

Effluent Concentration	Percent Survival in replicate chambers					Mean percent survival			CV%*
	A	B	C	D	E	24h	48h	7 day	
0%									
28%									
37%									
50%									
66%									
89%									

* Coefficient of Variation = standard deviation x 100/mean

2. Dunnett's Procedure or Steel's Many-One Rank Test or Wilcoxon Rank Sum Test (with Bonferroni adjustment) or t-test (with Bonferroni adjustment) as appropriate:

   Is the mean survival at 7 days significantly less than the control survival for the % effluent corresponding to lethality?

   CRITICAL DILUTION (89%): _____ YES _____ NO

3. Enter percent effluent corresponding to each NOEC\LOEC below:

   a.) NOEC survival = _____% effluent

   b.) LOEC survival = _____% effluent

   c.) NOEC growth = _____% effluent

   d.) LOEC growth = _____% effluent

24-HOUR ACUTE BIOMONITORING REQUIREMENTS: FRESHWATER

The provisions of this section apply to Outfall 001 for whole effluent toxicity (WET) testing.

1. Scope, Frequency, and Methodology

   a. The permittee shall test the effluent for lethality in accordance with the provisions in this section. Such testing will determine compliance with Texas Surface Water Quality Standard 30 TAC § 307.6(e)(2)(B), which requires greater than 50% survival of the appropriate test organisms in 100% effluent for a 24-hour period.

   b. The toxicity tests specified shall be conducted once per six months. The permittee shall conduct the following toxicity tests using the test organisms, procedures, and quality assurance requirements specified in this section of the permit and in accordance with "Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms," fifth edition (EPA-821-R-02-012) or its most recent update:

      1) Acute 24-hour static toxicity test using the water flea (*Daphnia pulex* or *Ceriodaphnia dubia*). A minimum of five replicates with eight organisms per replicate shall be used in the control and each dilution.

      2) Acute 24-hour static toxicity test using the fathead minnow (*Pimephales promelas*). A minimum of five replicates with eight organisms per replicate shall be used in the control and each dilution.

      A valid test result must be submitted for each reporting period. The permittee must report, and then repeat, an invalid test during the same reporting period. The repeat test shall include the control and the 100% effluent dilution and use the appropriate number of organisms and replicates, as specified above. An invalid test is defined as any test failing to satisfy the test acceptability criteria, procedures, and quality assurance requirements specified in the test methods and permit.

   c. In addition to an appropriate control, a 100% effluent concentration shall be used in the toxicity tests. The control and dilution water shall consist of standard, synthetic, moderately hard, reconstituted water.

   d. This permit may be amended to require a WET limit, a best management practice, a chemical-specific limit, or other appropriate actions to address toxicity. The permittee may be required to conduct a toxicity reduction evaluation (TRE) after multiple toxic events.

2. Required Toxicity Testing Conditions

   a. Test Acceptance - The permittee shall repeat any toxicity test, including the control, if the control fails to meet a mean survival equal to or greater than 90%.

   b. Dilution Water - In accordance with Part 1.c., the control and dilution water shall consist of standard, synthetic, moderately hard, reconstituted water.

   c. Samples and Composites

      1) The permittee shall collect one composite sample from Outfall 001.

2) The permittee shall collect the composite sample such that the sample is representative of any periodic episode of chlorination, biocide usage, or other potentially toxic substance being discharged.

3) The permittee shall initiate the toxicity tests within 36 hours after collection of the last portion of the composite sample. The sample shall be maintained at a temperature of 0-6 degrees Centigrade during collection, shipping, and storage.

4) If Outfall 001 ceases discharging during the collection of the effluent composite sample, the requirements for the minimum number of effluent portions are waived. However, the permittee must have collected a composite sample volume sufficient for completion of the required test. The abbreviated sample collection, duration, and methodology must be documented in the full report.

5) The effluent sample shall not be dechlorinated after sample collection.

3. Reporting

All reports, tables, plans, summaries, and related correspondence required in this section shall be submitted to the attention of the Standards Implementation Team (MC 150) of the Water Quality Division.

a. The permittee shall prepare a full report of the results of all tests conducted in accordance with the manual referenced in Part 1.b. for every valid and invalid toxicity test initiated.

b. The permittee shall routinely report the results of each biomonitoring test on the Table 2 forms provided with this permit.

1) Semiannual biomonitoring test results are due on or before July 20th and January 20th for biomonitoring conducted during the previous 6-month period.

2) Quarterly biomonitoring test results are due on or before April 20th, July 20th, and October 20th, and January 20th for biomonitoring conducted during the previous calendar quarter.

c. Enter the following codes for the appropriate parameters for valid tests only:

1) For the water flea, Parameter TIE3D, enter a “0” if the mean survival at 24 hours is greater than 50% in the 100% effluent dilution; if the mean survival is less than or equal to 50%, enter a “1.”

2) For the fathead minnow, Parameter TIE6C, enter a “0” if the mean survival at 24 hours is greater than 50% in the 100% effluent dilution; if the mean survival is less than or equal to 50%, enter a “1.”

d. Enter the following codes for retests only:

1) For retest number 1, Parameter 22415, enter a “0” if the mean survival at 24 hours is greater than 50% in the 100% effluent dilution; if the mean survival is less than or equal to 50%, enter a “1.”

2) For retest number 2, Parameter 22416, enter a “0” if the mean survival at 24 hours is greater than 50% in the 100% effluent dilution; if the mean survival is less than or equal to 50%, enter a “1.”

4. Persistent Mortality

The requirements of this part apply when a toxicity test demonstrates significant lethality, which is defined as a mean mortality of 50% or greater of organisms exposed to the 100% effluent concentration for 24 hours.

a. The permittee shall conduct 2 additional tests (retests) for each species that demonstrates significant lethality. The two retests shall be conducted once per week for 2 weeks. Five effluent dilution concentrations in addition to an appropriate control shall be used in the retests. These effluent concentrations are 6%, 13%, 25%, 50% and 100% effluent. The first retest shall be conducted within 15 days of the laboratory determination of significant lethality. All test results shall be submitted within 20 days of test completion of the second retest. Test completion is defined as the 24th hour.

b. If one or both of the two retests specified in Part 4.a. demonstrates significant lethality, the permittee shall initiate the TRE requirements as specified in Part 5.

5. Toxicity Reduction Evaluation

a. Within 45 days of the retest that demonstrates significant lethality, the permittee shall submit a general outline for initiating a TRE. The outline shall include, but not be limited to, a description of project personnel, a schedule for obtaining consultants (if needed), a discussion of influent and effluent data available for review, a sampling and analytical schedule, and a proposed TRE initiation date.

b. Within 90 days of the retest that demonstrates significant lethality, the permittee shall submit a TRE action plan and schedule for conducting a TRE. The plan shall specify the approach and methodology to be used in performing the TRE. A TRE is a step-wise investigation combining toxicity testing with physical and chemical analyses to determine actions necessary to eliminate or reduce effluent toxicity to a level not effecting significant lethality at the critical dilution. The TRE action plan shall lead to the successful elimination of significant lethality for both test species defined in Part 1.b. At a minimum, the TRE action plan shall include the following:

1) Specific Activities - The TRE action plan shall specify the approach the permittee intends to utilize in conducting the TRE, including toxicity characterizations, identifications, confirmations, source evaluations, treatability studies, and alternative approaches. When conducting characterization analyses, the permittee shall perform multiple characterizations and follow the procedures specified in the document entitled “Methods for Aquatic Toxicity Identification Evaluations: Phase I Toxicity Characterization Procedures” (EPA/600/6-91/003) or alternate procedures. The permittee shall perform multiple identifications and follow the methods specified in the documents entitled “Methods for Aquatic Toxicity Identification Evaluations: Phase II Toxicity Identification Procedures for Samples Exhibiting Acute and Chronic Toxicity” (EPA/600/R-92/080) and “Methods for Aquatic Toxicity Identification Evaluations: Phase III Toxicity Confirmation Procedures for Samples Exhibiting Acute and Chronic Toxicity” (EPA/600/R-92/081). All characterization, identification, and confirmation tests shall be conducted in an orderly and logical progression;

2) Sampling Plan - The TRE action plan should describe sampling locations, methods, holding times, chain of custody, and preservation techniques. The effluent sample volume collected for all tests shall be adequate to perform the

toxicity characterization/identification/confirmation procedures and chemical-specific analyses when the toxicity tests show significant lethality. Where the permittee has identified or suspects specific pollutant and source of effluent toxicity, the permittee shall conduct, concurrent with toxicity testing, chemical-specific analyses for the identified and suspected pollutant and source of effluent toxicity;

3) Quality Assurance Plan - The TRE action plan should address record keeping and data evaluation, calibration and standardization, baseline tests, system blanks, controls, duplicates, spikes, toxicity persistence in the samples, randomization, reference toxicant control charts, and mechanisms to detect artifactual toxicity; and

4) Project Organization - The TRE Action Plan should describe the project staff, project manager, consulting engineering services (where applicable), consulting analytical and toxicological services, etc.

c. Within 30 days of submittal of the TRE action plan and schedule, the permittee shall implement the TRE.

d. The permittee shall submit quarterly TRE activities reports concerning the progress of the TRE. The quarterly TRE activities reports are due on or before April 20th, July 20th, October 20th, and January 20th. The report shall detail information regarding the TRE activities including:

1) results and interpretation of any chemical-specific analyses for the identified and suspected pollutant performed during the quarter;

2) results and interpretation of any characterization, identification, and confirmation tests performed during the quarter;

3) any data and substantiating documentation that identifies the pollutant and source of effluent toxicity;

4) results of any studies/evaluations concerning the treatability of the facility's effluent toxicity;

5) any data that identifies effluent toxicity control mechanisms that will reduce effluent toxicity to the level necessary to eliminate significant lethality; and

6) any changes to the initial TRE plan and schedule that are believed necessary as a result of the TRE findings.

e. During the TRE, the permittee shall perform, at a minimum, quarterly testing using the more sensitive species. Testing for the less sensitive species shall continue at the frequency specified in Part 1.b.

f. If the effluent ceases to effect significant lethality, i.e., there is a cessation of lethality, the permittee may end the TRE. A cessation of lethality is defined as no significant lethality for a period of 12 consecutive weeks with at least weekly testing. At the end of the 12 weeks, the permittee shall submit a statement of intent to cease the TRE and may then resume the testing frequency specified in Part 1.b.

This provision accommodates situations where operational errors and upsets, spills, or

sampling errors triggered the TRE, in contrast to a situation where a single toxicant or group of toxicants cause lethality. This provision does not apply as a result of corrective actions taken by the permittee. Corrective actions are defined as proactive efforts that eliminate or reduce effluent toxicity. These include, but are not limited to, source reduction or elimination, improved housekeeping, changes in chemical usage, and modifications of influent streams and effluent treatment.

The permittee may only apply this cessation of lethality provision once. If the effluent again demonstrates significant lethality to the same species, the permit will be amended to add a WET limit with a compliance period, if appropriate. However, prior to the effective date of the WET limit, the permittee may apply for a permit amendment removing and replacing the WET limit with an alternate toxicity control measure by identifying and confirming the toxicant and an appropriate control measure.

g. The permittee shall complete the TRE and submit a final report on the TRE activities no later than 18 months from the last test day of the retest that demonstrates significant lethality. The permittee may petition the Executive Director (in writing) for an extension of the 18-month limit. However, to warrant an extension the permittee must have demonstrated due diligence in its pursuit of the toxicity identification evaluation/TRE and must prove that circumstances beyond its control stalled the toxicity identification evaluation/TRE. The report shall specify the control mechanism that will, when implemented, reduce effluent toxicity as specified in Part 5.h. The report shall also specify a corrective action schedule for implementing the selected control mechanism.

h. Within 3 years of the last day of the test confirming toxicity, the permittee shall comply with 30 TAC § 307.6(e)(2)(B), which requires greater than 50% survival of the test organism in 100% effluent at the end of 24-hours. The permittee may petition the Executive Director (in writing) for an extension of the 3-year limit. However, to warrant an extension the permittee must have demonstrated due diligence in its pursuit of the toxicity identification evaluation/TRE and must prove that circumstances beyond its control stalled the toxicity identification evaluation/TRE.

The permittee may be exempted from complying with 30 TAC § 307.6(e)(2)(B) upon proving that toxicity is caused by an excess, imbalance, or deficiency of dissolved salts. This exemption excludes instances where individually toxic components (e.g., metals) form a salt compound. Following the exemption, this permit may be amended to include an ion-adjustment protocol, alternate species testing, or single species testing.

i. Based upon the results of the TRE and proposed corrective actions, this permit may be amended to modify the biomonitoring requirements where necessary, require a compliance schedule for implementation of corrective actions, specify a WET limit, specify a best management practice, and specify a chemical-specific limit.

j. Copies of any and all required TRE plans and reports shall also be submitted to the U.S. EPA Region 6 office, 6WQ-PO.

TABLE 2 (SHEET 1 OF 2)

WATER FLEA SURVIVAL

GENERAL INFORMATION

	Time	Date
Composite Sample Collected		
Test Initiated		

PERCENT SURVIVAL

Time	Rep	Percent effluent					
		0%	6%	13%	25%	50%	100%
24h	A						
	B						
	C						
	D						
	E						
	MEAN						

Enter percent effluent corresponding to the LC50 below:

24 hour LC50 = _____% effluent

TABLE 2 (SHEET 2 OF 2)

FATHEAD MINNOW SURVIVAL

GENERAL INFORMATION

	Time	Date
Composite Sample Collected		
Test Initiated		

PERCENT SURVIVAL

Time	Rep	Percent effluent					
		0%	6%	13%	25%	50%	100%
24h	A						
	B						
	C						
	D						
	E						
	MEAN						

Enter percent effluent corresponding to the LC50 below:

24 hour LC50 = _____% effluent

FACT SHEET AND EXECUTIVE DIRECTOR'S PRELIMINARY DECISION

For draft Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0010210001, EPA I.D. No. TX0023868, to discharge to water in the state.

Issuing Office: Texas Commission on Environmental Quality
P.O. Box 13087
Austin, Texas 78711-3087

Applicant: City of Lockhart and Guadalupe-Blanco River Authority
P.O. Box 239
Lockhart, Texas 78644

Prepared By: Sonia Bhuiya
Municipal Permits Team
Wastewater Permitting Section (MC 148)
Water Quality Division
(512) 239-1205

Date: March 13, 2025.

Permit Action: Renewal

1. 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 includes an expiration date of **five years from the date of issuance**.

2. APPLICANT ACTIVITY

The applicant has applied to the Texas Commission on Environmental Quality (TCEQ) for a renewal of the existing permit that authorizes the discharge of treated domestic wastewater at an annual average flow not to exceed 1.1 million gallons per day (MGD). The existing wastewater treatment facility (WWTF) serves the City of Lockhart.

3. FACILITY AND DISCHARGE LOCATION

The plant site is located at 109 Larremore Street, in Caldwell County, Texas 78644.

Outfall Location:

Outfall Number	Latitude	Longitude
001	29.884544 N	97.662544 W

The treated effluent is discharged to Town Branch, thence to Plum Creek in Segment No. 1810 of the Guadalupe River Basin. The unclassified receiving water use is high aquatic life use for Town Branch. The designated uses for Segment No. 1810 are primary contact recreation, aquifer protection, and high aquatic life use.

4. TREATMENT PROCESS DESCRIPTION AND SEWAGE SLUDGE DISPOSAL

The Lockhart WWTF No .1 is an activated sludge process plant operated in the extended aeration mode. Treatment units include bar screen, two aeration basins, two final clarifiers, an aerobic sludge digester, chlorine contact chamber, a dechlorination chamber, a sludge digester, a sludge thickener, and sludge drying bed. The facility is in operation.

The draft permit authorizes the disposal of sludge at a TCEQ-authorized land application site, co-disposal landfill, wastewater treatment facility, or facility that further processes sludge.

5. INDUSTRIAL WASTE CONTRIBUTION

The draft permit includes pretreatment requirements that are appropriate for a facility of this size and complexity. The Lockhart WWTP does not appear to receive significant industrial wastewater contributions. Based on the information provided by the permittee in the most recent TPDES permit application, the TCEQ determined that there are no significant industrial wastewater contributions currently being discharged to the permittee's POTW.

6. SUMMARY OF SELF-REPORTED EFFLUENT ANALYSES

The following is a summary of the applicant's effluent monitoring data for the period September 2019 through September 2024. The average of Daily Average value is computed by the averaging of all 30-day average values for the reporting period for each parameter: flow, five-day carbonaceous biochemical oxygen demand ($CBOD_5$), five-day biochemical oxygen demand (BOD_5), total suspended solids (TSS), ammonia nitrogen (NH_3-N), and chlordane. The average of Daily Average value for *Escherichia coli* (*E. coli*) in colony-forming units (CFU) or most probable number (MPN) per 100 ml is calculated via geometric mean.

Parameter	Average of Daily Avg
Flow, MGD	0.39
$CBOD_5$, mg/l	1.9
TSS, mg/l	1.2
NH_3-N, mg/l	0.21
E. coli, CFU or MPN per 100 ml	2
Chlordane, mg/l	0.000066

7. DRAFT PERMIT CONDITIONS AND MONITORING REQUIREMENTS

The effluent limitations and monitoring requirements for those parameters that are limited in the draft permit are as follows:

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

The daily average flow of effluent shall not exceed 1.1 MGD, nor shall the average discharge during any two-hour period (2-hour peak) exceed 2,778 gallons per minute (gpm).

Parameter	30-Day Average	7-Day	Daily

	mg/l	lbs/day	Average mg/l	Maximum mg/l
$CBOD_5$	10	92	15	25
TSS	15	138	25	40
NH_3-N	3	28	6	10
DO (minimum)	5.0	N/A	N/A	N/A
E. coli, CFU or MPN per 100 ml	126	N/A	N/A	399

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored once per week by grab sample. There shall be no discharge of floating solids or visible foam in other than trace amounts and no discharge of visible oil.

The effluent shall contain a total chlorine residual of at least 1.0 mg/l and shall not exceed a total chlorine residual of 4.0 mg/l after a detention time of at least 20 minutes (based on peak flow), and shall be monitored daily by grab sample. An equivalent method of disinfection may be substituted only with prior approval of the Executive Director.

Parameter	Monitoring Requirement
Flow, MGD	Continuous
$CBOD_5$	Two/week
TSS	Two/week
NH_3-N	Two/week
DO	Two/week
E. coli	One/week

B. SEWAGE SLUDGE REQUIREMENTS

The draft permit includes Sludge Provisions according to the requirements of 30 TAC Chapter 312, Sludge Use, Disposal, and Transportation. Sludge generated from the treatment facility is hauled by a registered transporter to Lockhart Wastewater Treatment Facility No.2: JV Dirt and Loam 5RC Compost Facility, Permit No. WQ0010210002 and TCEQ No. 2310, to be digested, dewatered, and then disposed of with the bulk of the sludge from the plant accepting the sludge. The draft permit also authorizes the disposal of sludge at a TCEQ-authorized land application site, co-disposal landfill, wastewater treatment facility, or facility that further processes sludge.

C. PRETREATMENT REQUIREMENTS

Permit requirements for pretreatment are based on TPDES regulations contained in 30 TAC Chapter 305, which references 40 Code of Federal Regulations (CFR) Part 403, "General Pretreatment Regulations for Existing and New Sources of Pollution" *[rev. Federal Register/ Vol. 70/ No. 198/ Friday, October 14, 2005/ Rules and Regulations, pages 60134-60798].* The permit includes specific requirements that establish responsibilities of local government, industry, and the public to implement the standards to control pollutants which pass through or interfere with treatment processes in publicly owned treatment works or which may contaminate the sewage sludge. This permit has appropriate pretreatment

language for a facility of this size and complexity.

D. WHOLE EFFLUENT TOXICITY (BIOMONITORING) REQUIREMENTS

(1) The draft permit includes chronic freshwater biomonitoring requirements as follows. The permit requires five dilutions in addition to the control (0% effluent) to be used in the toxicity tests. These additional effluent concentrations shall be 28%, 37%, 50%, 66%, and 89% with a critical dilution of 89%. The critical dilution is in accordance with the "Aquatic Life Criteria" section of the "Water Quality Based Effluent Limitations/Conditions" section.

(a) Chronic static renewal survival and reproduction test using the water flea (*Ceriodaphnia dubia*). The frequency of the testing is once per quarter for at least the first year of testing, after which the permittee may apply for a testing frequency reduction.

(b) Chronic static renewal 7-day larval survival and growth test using the fathead minnow (*Pimephales promelas*). The frequency of the testing is once per quarter for at least the first year of testing, after which the permittee may apply for a testing frequency reduction.

(2) The draft permit includes the following minimum 24-hour acute freshwater biomonitoring requirements at a frequency of once per six months:

(a) Acute 24-hour static toxicity test using the water flea (*Daphnia pulex* or *Ceriodaphnia dubia*).

(b) Acute 24-hour static toxicity test using the fathead minnow (*Pimephales promelas*).

E. SUMMARY OF CHANGES FROM APPLICATION

None.

F. SUMMARY OF CHANGES FROM EXISTING PERMIT

The Standard Permit Conditions, Sludge Provisions, Other Requirements, and Biomonitoring sections of the draft permit have been updated.

Based on a review of the discharge monitoring report the Chlordane reporting requirement corresponding with Other Requirement No. 8 in the existing permit has been removed in the draft permit,

For Publicly Owned Treatment Works (POTWs), effective December 21, 2025, 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.

Certain accidental discharges or spills of treated or untreated wastewater from wastewater treatment facilities or collection systems owned or operated by a local government may be reported on a monthly basis in accordance with 30 TAC § 305.132.

The draft permit includes all updates based on the 30 TAC § 312 rule change effective April 23, 2020.

8. DRAFT PERMIT RATIONALE

A. TECHNOLOGY-BASED EFFLUENT LIMITATIONS/CONDITIONS

Regulations promulgated in Title 40 of the 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.

Effluent limitations for maximum and minimum pH are in accordance with 40 CFR § 133.102(c) and 30 TAC § 309.1(b).

B. WATER QUALITY SUMMARY AND COASTAL MANAGEMENT PLAN

(1) WATER QUALITY SUMMARY

The treated effluent is discharged to Town Branch, thence to Plum Creek in Segment No. 1810 of the Guadalupe River Basin. The unclassified receiving water use is high aquatic life use for Town Branch. The designated uses for Segment No. 1810 are primary contact recreation, aquifer protection, and high aquatic life use. The effluent limitations in the draft permit will maintain and protect the existing instream uses. All determinations are preliminary and subject to additional review and/or revisions.

The discharge from this permit action 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's) biological opinion on the State of Texas authorization of the TPDES (September 14, 1998; October 21, 1998, update). To make this determination for TPDES permits, TCEQ and 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 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.

Segment No. 1810 is not currently listed on the State's inventory of impaired and threatened waters (the 2022 CWA Section 303(d) list).

A TDS screening was not performed because the effluent TDS, chloride,

and sulfate were all below segment criteria.

The effluent limitations and conditions in the draft permit comply with EPA-approved portions of the 2018 Texas Surface Water Quality Standards (TSWQS), 30 TAC §§ 307.1 - 307.10, effective March 1, 2018; 2014 TSWQS, effective March 6, 2014; 2010 TSWQS, effective July 22, 2010; and 2000 TSWQS, effective July 26, 2000.

(2) CONVENTIONAL PARAMETERS

Effluent limitations for the conventional effluent parameters (i.e., Five-Day Biochemical Oxygen Demand or Five-Day Carbonaceous Biochemical Oxygen Demand, Ammonia Nitrogen, etc.) are based on stream standards and waste load allocations for water quality-limited streams as established in the TSWQS and the State of Texas Water Quality Management Plan (WQMP).

The existing effluent limits have been reviewed for consistency with the State of Texas Water Quality Management Plan (WQMP). The existing limits are consistent with the approved WQMP.

The effluent limitations in the draft permit meet the requirements for secondary treatment and the requirements for disinfection according to 30 TAC Chapter 309, Subchapter A: Effluent Limitations.

(3) COASTAL MANAGEMENT PLAN

The facility is not located in the Coastal Management Program boundary.

C. WATER QUALITY-BASED EFFLUENT LIMITATIONS/CONDITIONS

(1) GENERAL COMMENTS

The Texas Surface Water Quality Standards (30 TAC Chapter 307) state that surface waters will not be toxic to man, or to terrestrial or aquatic life. The methodology outlined in the *Procedures to Implement the Texas Surface Water Quality Standards*, (June 2010) is designed to ensure compliance with 30 TAC Chapter 307. Specifically, the methodology is designed to ensure that no source will be allowed to discharge any wastewater that: (1) results in instream aquatic toxicity; (2) causes a violation of an applicable narrative or numerical state water quality standard; (3) results in the endangerment of a drinking water supply; or (4) results in aquatic bioaccumulation that threatens human health.

(2) AQUATIC LIFE CRITERIA

(a) SCREENING

Water quality-based effluent limitations are calculated from freshwater aquatic life criteria found in Table 1 of the Texas Surface Water Quality Standards (30 TAC Chapter 307).

Acute freshwater criteria are applied at the edge of the zone of initial dilution (ZID), and chronic freshwater criteria are applied at the edge of the aquatic life mixing zone. The ZID for this discharge is defined as 20 feet upstream and 60 feet downstream from the point where the discharge enters Town Branch. The aquatic life mixing zone for this discharge is defined as 100 feet upstream and 300 feet downstream from the point where the discharge enters Town branch.

TCEQ uses the mass balance equation to estimate dilutions at the edges of the ZID and aquatic life mixing zone during critical conditions. The estimated dilution at the edge of the aquatic life mixing zone is calculated using the permitted flow of 0 MGD and the 7-day, 2-year (7Q2) flow of 0.22 cfs for Town branch. The estimated dilution at the edge of the ZID is calculated using the permitted flow of 1,1 MGD and 25% of the 7Q2 flow. The following critical effluent percentages are being used:

Acute Effluent %:	96.87%	Chronic Effluent %:	88.55%

Waste load allocations (WLAs) are calculated using the above estimated effluent percentages, criteria outlined in the Texas Surface Water Quality Standards, and partitioning coefficients for metals (when appropriate and designated in the implementation procedures). The WLA is the end-of-pipe effluent concentration that can be discharged when, after mixing in the receiving stream, instream numerical criteria will not be exceeded. From the WLA, a long-term average (LTA) is calculated using a log normal probability distribution, a given coefficient of variation (0.6), and a 90th percentile confidence level. The LTA is the long-term average effluent concentration for which the WLA will never be exceeded using a selected percentile confidence level. The lower of the two LTAs (acute and chronic) is used to calculate a daily average and daily maximum effluent limitation for the protection of aquatic life using the same statistical considerations with the 99th percentile confidence level and a standard number of monthly effluent samples collected (12). Assumptions used in deriving the effluent limitations include segment values for hardness, chlorides, pH, and total suspended solids (TSS) according to the segment-specific values contained in the TCEQ guidance document *Procedures to Implement the Texas Surface Water Quality Standards*. The segment values are 194 mg/l for hardness (as calcium carbonate), 126 mg/l for chlorides, 7.6 standard units for pH, and 7.2 mg/l for TSS. For additional details on the calculation of water quality-based effluent limitations, refer to the TCEQ guidance document.

TCEQ practice for determining significant potential is to compare the reported analytical data 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% of the calculated daily average water quality-based effluent limitation. Monitoring and reporting are required when analytical data reported in the application exceeds 70% of the calculated daily average water quality-based effluent limitation. See Attachment A of this Fact Sheet.

(b) PERMIT ACTION

Analytical data reported in the application was screened against calculated water quality-based effluent limitations for the protection of aquatic life. Reported analytical data does not exceed 70% of the calculated daily average water quality-based effluent limitations for aquatic life protection.

(3) AQUATIC ORGANISM BIOACCUMULATION CRITERIA

(a) SCREENING

Town branch

Water quality-based effluent limitations for the protection of human health are calculated using criteria for the consumption of freshwater fish tissue found in Table 2 of the Texas Surface Water Quality Standards (30 TAC Chapter 307). Freshwater fish tissue bioaccumulation (and drinking water) criteria are applied at the edge of the human health mixing zone. The human health mixing zone for this discharge is identical to the aquatic life mixing zone. TCEQ uses the mass balance equation to estimate dilution at the edge of the human health mixing zone during average flow conditions. The estimated dilution at the edge of the human health mixing zone is calculated using the permitted flow of 0 MGD and the harmonic mean flow of 0.59 cfs for Town branch. The following critical effluent percentage is being used:

Human Health Effluent %: 74.26%

Plum Creek

Water quality-based effluent limitations for the protection of human health are calculated using criteria for the consumption of freshwater fish tissue found in Table 2 of the Texas Surface Water Quality Standards (30 TAC Chapter 307). Freshwater fish tissue bioaccumulation (and drinking water) criteria are applied at the edge of the human health mixing zone. The human health mixing zone for this discharge is identical to the aquatic life mixing zone. TCEQ uses the mass balance equation to estimate dilution at the edge of the human health mixing zone during average flow conditions. The estimated dilution at the edge of the human health mixing zone is calculated using the permitted flow of 1.1 MGD and the harmonic mean flow of 0.59 cfs for Town branch. The following critical effluent percentage is being used:

Human Health Effluent %: 80.21%

Water quality-based effluent limitations for human health protection against the consumption of fish tissue are calculated using the same procedure as outlined for calculation of water quality-based effluent limitations for aquatic life protection. A 99th percentile confidence level in

the long-term average calculation is used with only one long-term average value being calculated.

Significant potential is again determined by comparing reported analytical data against 70% and 85% of the calculated daily average water quality-based effluent limitation. See Attachment A of this Fact Sheet.

(b) PERMIT ACTION

Reported analytical data does not exceed 70% of the calculated daily average water quality-based effluent limitation for human health protection.

(4) DRINKING WATER SUPPLY PROTECTION

(a) SCREENING

Water Quality Segment No. 1810, which receives the discharge from this facility, is not designated as a public water supply. Screening reported analytical data of the effluent against water quality-based effluent limitations calculated for the protection of a drinking water supply is not applicable.

(b) PERMIT ACTION

None.

(5) WHOLE EFFLUENT TOXICITY (BIOMONITORING) CRITERIA

(a) SCREENING

TCEQ has determined that there may be pollutants present in the effluent that may have the potential to cause toxic conditions in the receiving stream. Whole effluent biomonitoring is the most direct measure of potential toxicity that incorporates the effects of synergism of effluent components and receiving stream water quality characteristics. Biomonitoring of the effluent is, therefore, required as a condition of this permit to assess potential toxicity.

The existing permit includes chronic freshwater biomonitoring requirements. A summary of the biomonitoring testing for the facility indicates that in the past three years, the permittee has performed twelve chronic tests, with zero demonstrations of significant toxicity (i.e., zero failures).

A reasonable potential (RP) 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. WET limits are not required, and both test species may be eligible for the testing frequency reduction after one year of quarterly testing.

(b) PERMIT ACTION

The test species are appropriate to measure the toxicity of the effluent consistent with the requirements of the State water quality standards. The biomonitoring frequency has been established to reflect the likelihood of ambient toxicity and to provide data representative of the toxic potential of the facility's discharge. This permit may be reopened to require effluent limits, additional testing, and/or other appropriate actions to address toxicity if biomonitoring data show actual or potential ambient toxicity to be the result of the permittee's discharge to the receiving stream or water body.

(6) WHOLE EFFLUENT TOXICITY CRITERIA (24-HOUR ACUTE)

(a) SCREENING

The existing permit includes 24-hour acute freshwater biomonitoring language. A summary of the biomonitoring testing for the facility indicates that in the past three years, the permittee has performed ten 24-hour acute tests, with zero demonstrations of significant mortality (i.e., zero failures).

(b) PERMIT ACTION

The draft permit includes 24-hour 100% acute biomonitoring tests for the life of the permit.

9. WATER QUALITY VARIANCE REQUESTS

No variance requests have been received.

10. 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 review 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, along with the Executive Director's preliminary decision, as contained in the technical summary or fact sheet, to the Chief Clerk. 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 proceeding.

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

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

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

For additional information about this application, contact Sonia Bhuiya at (512) 239-1205.

11. ADMINISTRATIVE RECORD

The following items were considered in developing the draft permit:

A. PERMIT(S)

TPDES Permit No. WQ0010210001 issued on April 15, 2020.

B. APPLICATION

Application received on October 17, 2024, and additional information received on November 5, 2025.

C. MEMORANDA

Interoffice Memoranda from the Water Quality Assessment Section of the TCEQ Water Quality Division Interoffice Memorandum from the Pretreatment Team of the TCEQ Water Quality Division.

D. MISCELLANEOUS

Federal Clean Water Act § 402; Texas Water Code § 26.027; 30 TAC Chapters 30, 305, 309, 312, and 319; Commission policies; and U.S. Environmental Protection Agency guidelines.

Texas Surface Water Quality Standards, 30 TAC §§ 307.1 - 307.10.

Procedures to Implement the Texas Surface Water Quality Standards (IP), Texas Commission on Environmental Quality, June 2010, as approved by the U.S. Environmental Protection Agency, and the IP, January 2003, for portions of the 2010 IP not approved by the U.S. Environmental Protection Agency.

Texas 2022 Clean Water Act Section 303(d) List, Texas Commission on Environmental Quality, June 1, 2022; approved by the U.S. Environmental Protection Agency on July 7, 2022.

Texas Natural Resource Conservation Commission, Guidance Document for Establishing Monitoring Frequencies for Domestic and Industrial Wastewater Discharge Permits, Document No. 98-001.000-OWR-WQ, May 1998.

Attachment A: Calculated Water Quality Based Effluent Limitations

TEXTOX MENU #3 - PERENNIAL STREAM OR RIVER

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:	City of Lockhart and Guadalupe-Blanco River Authority
TPDES Permit No.:	WQ0010210001
Outfall No.:	001
Prepared by:	Sonia Bhuiya
Date:	March 17, 2025

DISCHARGE INFORMATION

Receiving Waterbody:	Town Branch
Segment No.:	1810
TSS (mg/L):	7.6
pH (Standard Units):	7.2
Hardness (mg/L as $CaCO_3$):	126
Chloride (mg/L):	194
Effluent Flow for Aquatic Life (MGD):	1.1
Critical Low Flow [7Q2] (cfs):	0.22
% Effluent for Chronic Aquatic Life (Mixing Zone):	88.55
% Effluent for Acute Aquatic Life (ZID):	96.87
Effluent Flow for Human Health (MGD):	1.1
Harmonic Mean Flow (cfs):	0.59
% Effluent for Human Health:	74.26
Human Health Criterion (select: PWS, FISH, or INC)	**FISH**

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

Stream/River Metal	*Intercept (b)*	*Slope (m)*	*Partition Coefficient (Kp)*	*Dissolved Fraction (Cd/Ct)*	*Source*	*Water Effect Ratio (WER)*	*Source*
Aluminum	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Arsenic	5.68	-0.73	108894.53	0.547		1.00	Assumed
Cadmium	6.60	-1.13	402421.00	0.246		1.00	Assumed
Chromium (total)	6.52	-0.93	502161.44	0.208		1.00	Assumed
Chromium (trivalent)	6.52	-0.93	502161.44	0.208		1.00	Assumed
Chromium (hexavalent)	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Copper	6.02	-0.74	233452.18	0.360		1.00	Assumed
Lead	6.45	-0.80	556351.32	0.191		1.00	Assumed

Mercury	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Nickel	5.69	-0.57	154147.42	0.461		1.00	Assumed
Selenium	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Silver	6.38	-1.03	297003.80	0.307		1.00	Assumed
Zinc	6.10	-0.70	304390.07	0.302		1.00	Assumed

AQUATIC LIFE

CALCULATE DAILY AVERAGE AND DAILY MAXIMUM EFFLUENT LIMITATIONS:

Parameter	*FW Acute Criterion (µg/L)*	*FW Chronic Criterion (µg/L)*	*WLAa (µg/L)*	*WLAc (µg/L)*	*LTAa (µg/L)*	*LTAc (µg/L)*	*Daily Avg. (µg/L)*	*Daily Max. (µg/L)*
Aldrin	3.0	N/A	3.10	N/A	1.77	N/A	2.60	5.51
Aluminum	991	N/A	1023	N/A	586	N/A	861	1823
Arsenic	340	150	641	310	368	238	350	741
Cadmium	10.7	0.289	45.0	1.32	25.8	1.02	1.49	3.16
Carbaryl	2.0	N/A	2.06	N/A	1.18	N/A	1.73	3.67
Chlordane	2.4	0.004	2.48	0.00452	1.42	0.00348	0.00511	0.0108
Chlorpyrifos	0.083	0.041	0.0857	0.0463	0.0491	0.0357	0.0524	0.110
Chromium (trivalent)	688	90	3423	487	1962	375	551	1166
Chromium (hexavalent)	15.7	10.6	16.2	12.0	9.29	9.22	13.5	28.6
Copper	17.7	11.5	50.6	36.1	29.0	27.8	40.9	86.5
Cyanide (free)	45.8	10.7	47.3	12.1	27.1	9.30	13.6	28.9
4,4'-DDT	1.1	0.001	1.14	0.00113	0.651	0.000870	0.00127	0.00270
Demeton	N/A	0.1	N/A	0.113	N/A	0.0870	0.127	0.270
Diazinon	0.17	0.17	0.175	0.192	0.101	0.148	0.147	0.312
Dicofol [Kelthane]	59.3	19.8	61.2	22.4	35.1	17.2	25.3	53.5
Dieldrin	0.24	0.002	0.248	0.00226	0.142	0.00174	0.00255	0.00540
Diuron	210	70	217	79.0	124	60.9	89.4	189
Endosulfan I (*alpha*)	0.22	0.056	0.227	0.0632	0.130	0.0487	0.0715	0.151
Endosulfan II (*beta*)	0.22	0.056	0.227	0.0632	0.130	0.0487	0.0715	0.151
Endosulfan sulfate	0.22	0.056	0.227	0.0632	0.130	0.0487	0.0715	0.151
Endrin	0.086	0.002	0.0888	0.00226	0.0509	0.00174	0.00255	0.00540
Guthion [Azinphos Methyl]	N/A	0.01	N/A	0.0113	N/A	0.00870	0.0127	0.0270
Heptachlor	0.52	0.004	0.537	0.00452	0.308	0.00348	0.00511	0.0108
Hexachlorocyclohexane (*gamma*) [Lindane]	1.126	0.08	1.16	0.0903	0.666	0.0696	0.102	0.216
Lead	83	3.23	448	19.1	257	14.7	21.6	45.7
Malathion	N/A	0.01	N/A	0.0113	N/A	0.00870	0.0127	0.0270
Mercury	2.4	1.3	2.48	1.47	1.42	1.13	1.66	3.51
Methoxychlor	N/A	0.03	N/A	0.0339	N/A	0.0261	0.0383	0.0811
Mirex	N/A	0.001	N/A	0.00113	N/A	0.000870	0.00127	0.00270
Nickel	569	63.2	1276	155	731	119	175	371
Nonylphenol	28	6.6	28.9	7.45	16.6	5.74	8.43	17.8
Parathion (ethyl)	0.065	0.013	0.0671	0.0147	0.0384	0.0113	0.0166	0.0351
Pentachlorophenol	10.7	8.2	11.0	9.24	6.31	7.11	9.27	19.6
Phenanthrene	30	30	31.0	33.9	17.7	26.1	26.0	55.1
Polychlorinated Biphenyls [PCBs]	2.0	0.014	2.06	0.0158	1.18	0.0122	0.0178	0.0378
Selenium	20	5	20.6	5.65	11.8	4.35	6.39	13.5
Silver	0.8	N/A	30.0	N/A	17.2	N/A	25.2	53.3
Toxaphene	0.78	0.0002	0.805	0.000226	0.461	0.000174	0.000255	0.000540
Tributyltin [TBT]	0.13	0.024	0.134	0.0271	0.0769	0.0209	0.0306	0.0649
2,4,5 Trichlorophenol	136	64	140	72.3	80.4	55.7	81.8	173

Zinc	143	144	488	538	279	414	410	868

HUMAN HEALTH

CALCULATE DAILY AVERAGE AND DAILY MAXIMUM EFFLUENT LIMITATIONS:

Parameter	*Water and Fish Criterion (µg/L)*	*Fish Only Criterion (µg/L)*	*Incidental Fish Criterion (µg/L)*	*WLAh (µg/L)*	*LTAh (µg/L)*	*Daily Avg. (µg/L)*	*Daily Max. (µg/L)*
Acrylonitrile	1.0	115	1150	155	144	211	447
Aldrin	1.146E-05	1.147E-05	##########	0.0000154	0.0000144	0.0000211	0.0000446
Anthracene	1109	1317	13170	1774	1649	2424	5129
Antimony	6	1071	10710	1442	1341	1971	4171
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	782	728	1069	2262
Benzidine	0.0015	0.107	1.07	0.144	0.134	0.196	0.416
Benzo(*a*)anthracene	0.024	0.025	0.25	0.0337	0.0313	0.0460	0.0973
Benzo(*a*)pyrene	0.0025	0.0025	0.025	0.00337	0.00313	0.00460	0.00973
Bis(chloromethyl)ether	0.0024	0.2745	2.745	0.370	0.344	0.505	1.06
Bis(2-chloroethyl)ether	0.60	42.83	428.3	57.7	53.6	78.8	166
Bis(2-ethylhexyl) phthalate [Di(2-ethylhexyl) phthalate]	6	7.55	75.5	10.2	9.46	13.8	29.4
Bromodichloromethane [Dichlorobromomethane]	10.2	275	2750	370	344	506	1071
Bromoform [Tribromomethane]	66.9	1060	10600	1427	1328	1951	4128
Cadmium	5	N/A	N/A	N/A	N/A	N/A	N/A
Carbon Tetrachloride	4.5	46	460	61.9	57.6	84.6	179
Chlordane	0.0025	0.0025	0.025	0.00337	0.00313	0.00460	0.00973
Chlorobenzene	100	2737	27370	3686	3428	5038	10660
Chlorodibromomethane [Dibromochloromethane]	7.5	183	1830	246	229	336	712
Chloroform [Trichloromethane]	70	7697	76970	10365	9640	14170	29979
Chromium (hexavalent)	62	502	5020	676	629	924	1955
Chrysene	2.45	2.52	25.2	3.39	3.16	4.63	9.81
Cresols [Methylphenols]	1041	9301	93010	12525	11649	17123	36226
Cyanide (free)	200	N/A	N/A	N/A	N/A	N/A	N/A
4,4'-DDD	0.002	0.002	0.02	0.00269	0.00250	0.00368	0.00778
4,4'-DDE	0.00013	0.00013	0.0013	0.000175	0.000163	0.000239	0.000506
4,4'-DDT	0.0004	0.0004	0.004	0.000539	0.000501	0.000736	0.00155
2,4'-D	70	N/A	N/A	N/A	N/A	N/A	N/A
Danitol [Fenpropathrin]	262	473	4730	637	592	870	1842
1,2-Dibromoethane [Ethylene Dibromide]	0.17	4.24	42.4	5.71	5.31	7.80	16.5
m-Dichlorobenzene [1,3-Dichlorobenzene]	322	595	5950	801	745	1095	2317
o-Dichlorobenzene [1,2-Dichlorobenzene]	600	3299	32990	4443	4132	6073	12849
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	3.02	2.81	4.12	8.72
1,2-Dichloroethane	5	364	3640	490	456	670	1417
1,1-Dichloroethylene [1,1-Dichloroethene]	7	55114	551140	74220	69025	101466	214666
Dichloromethane [Methylene Chloride]	5	13333	133330	17955	16698	24546	51931
1,2-Dichloropropane	5	259	2590	349	324	476	1008

1,3-Dichloropropene [1,3-Dichloropropylene]	2.8	119	1190	160	149	219	463
Dicofol [Kelthane]	0.30	0.30	3	0.404	0.376	0.552	1.16
Dieldrin	2.0E-05	2.0E-05	2.0E-04	0.0000269	0.0000250	0.0000368	0.0000778
2,4-Dimethylphenol	444	8436	84360	11360	10565	15530	32857
Di-*n*-Butyl Phthalate	88.9	92.4	924	124	116	170	359
Dioxins/Furans [TCDD Equivalents]	7.80E-08	7.97E-08	7.97E-07	1.07E-07	9.98E-08	1.46E-07	3.10E-07
Endrin	0.02	0.02	0.2	0.0269	0.0250	0.0368	0.0778
Epichlorohydrin	53.5	2013	20130	2711	2521	3705	7840
Ethylbenzene	700	1867	18670	2514	2338	3437	7271
Ethylene Glycol	46744	1.68E+07	1.68E+08	22623931	21040256	30929175	65435194
Fluoride	4000	N/A	N/A	N/A	N/A	N/A	N/A
Heptachlor	8.0E-05	0.0001	0.001	0.000135	0.000125	0.000184	0.000389
Heptachlor Epoxide	0.00029	0.00029	0.0029	0.000391	0.000363	0.000533	0.00112
Hexachlorobenzene	0.00068	0.00068	0.0068	0.000916	0.000852	0.00125	0.00264
Hexachlorobutadiene	0.21	0.22	2.2	0.296	0.276	0.405	0.856
Hexachlorocyclohexane (*alpha*)	0.0078	0.0084	0.084	0.0113	0.0105	0.0154	0.0327
Hexachlorocyclohexane (*beta*)	0.15	0.26	2.6	0.350	0.326	0.478	1.01
Hexachlorocyclohexane (*gamma*) [Lindane]	0.2	0.341	3.41	0.459	0.427	0.627	1.32
Hexachlorocyclopentadiene	10.7	11.6	116	15.6	14.5	21.3	45.1
Hexachloroethane	1.84	2.33	23.3	3.14	2.92	4.28	9.07
Hexachlorophene	2.05	2.90	29	3.91	3.63	5.33	11.2
4,4'-Isopropylidenediphenol	1092	15982	159820	21522	20016	29423	62249
Lead	1.15	3.83	38.3	27.0	25.1	36.8	77.9
Mercury	0.0122	0.0122	0.122	0.0164	0.0153	0.0224	0.0475
Methoxychlor	2.92	3.0	30	4.04	3.76	5.52	11.6
Methyl Ethyl Ketone	13865	9.92E+05	9.92E+06	1335889	1242377	1826294	3863792
Methyl *tert*-butyl ether [MTBE]	15	10482	104820	14116	13128	19297	40826
Nickel	332	1140	11400	3334	3100	4557	9642
Nitrate-Nitrogen (as Total Nitrogen)	10000	N/A	N/A	N/A	N/A	N/A	N/A
Nitrobenzene	45.7	1873	18730	2522	2346	3448	7295
N-Nitrosodiethylamine	0.0037	2.1	21	2.83	2.63	3.86	8.17
N-Nitroso-di-*n*-Butylamine	0.119	4.2	42	5.66	5.26	7.73	16.3
Pentachlorobenzene	0.348	0.355	3.55	0.478	0.445	0.653	1.38
Pentachlorophenol	0.22	0.29	2.9	0.391	0.363	0.533	1.12
Polychlorinated Biphenyls [PCBs]	6.4E-04	6.4E-04	6.40E-03	0.000862	0.000802	0.00117	0.00249
Pyridine	23	947	9470	1275	1186	1743	3688
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	0.323	0.301	0.441	0.934
1,1,2,2-Tetrachloroethane	1.64	26.35	263.5	35.5	33.0	48.5	102
Tetrachloroethylene [Tetrachloroethylene]	5	280	2800	377	351	515	1090
Thallium	0.12	0.23	2.3	0.310	0.288	0.423	0.895
Toluene	1000	N/A	N/A	N/A	N/A	N/A	N/A
Toxaphene	0.011	0.011	0.11	0.0148	0.0138	0.0202	0.0428
2,4,5-TP [Silvex]	50	369	3690	497	462	679	1437
1,1,1-Trichloroethane	200	784354	7843540	1056260	982322	1444013	3055021
1,1,2-Trichloroethane	5	166	1660	224	208	305	646
Trichloroethylene [Trichloroethene]	5	71.9	719	96.8	90.0	132	280
2,4,5-Trichlorophenol	1039	1867	18670	2514	2338	3437	7271
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	22.2	20.7	30.3	64.2

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

Aquatic Life	***70% of Daily Avg.***	***85% of Daily Avg.***
Parameter	***(µg/L)***	***(µg/L)***
Aldrin	1.82	2.21
Aluminum	603	732
Arsenic	245	297
Cadmium	1.04	1.27
Carbaryl	1.21	1.47
Chlordane	0.00357	0.00434
Chlorpyrifos	0.0366	0.0445
Chromium (trivalent)	385	468
Chromium (hexavalent)	9.48	11.5
Copper	28.6	34.7
Cyanide (free)	9.57	11.6
4,4'-DDT	0.000894	0.00108
Demeton	0.0894	0.108
Diazinon	0.103	0.125
Dicofol [Kelthane]	17.7	21.5
Dieldrin	0.00178	0.00217
Diuron	62.6	76.0
Endosulfan I (*alpha*)	0.0501	0.0608
Endosulfan II (*beta*)	0.0501	0.0608
Endosulfan sulfate	0.0501	0.0608
Endrin	0.00178	0.00217
Guthion [Azinphos Methyl]	0.00894	0.0108
Heptachlor	0.00357	0.00434
Hexachlorocyclohexane (*gamma*) [Lindane]	0.0715	0.0869
Lead	15.1	18.3
Malathion	0.00894	0.0108
Mercury	1.16	1.41
Methoxychlor	0.0268	0.0325
Mirex	0.000894	0.00108
Nickel	122	149
Nonylphenol	5.90	7.17
Parathion (ethyl)	0.0116	0.0141
Pentachlorophenol	6.49	7.88
Phenanthrene	18.2	22.1
Polychlorinated Biphenyls [PCBs]	0.0125	0.0152
Selenium	4.47	5.43
Silver	17.6	21.4
Toxaphene	0.000178	0.000217
Tributyltin [TBT]	0.0214	0.0260
2,4,5 Trichlorophenol	57.2	69.5
Zinc	287	349

Human Health	***70% of Daily Avg.***	***85% of Daily Avg.***
Parameter	***(µg/L)***	***(µg/L)***

Acrylonitrile	148	179
Aldrin	0.0000147	0.0000179
Anthracene	1697	2060
Antimony	1380	1675
Arsenic	N/A	N/A
Barium	N/A	N/A
Benzene	748	909
Benzidine	0.137	0.167
Benzo(*a*)anthracene	0.0322	0.0391
Benzo(*a*)pyrene	0.00322	0.00391
Bis(chloromethyl)ether	0.353	0.429
Bis(2-chloroethyl)ether	55.1	67.0
Bis(2-ethylhexyl) phthalate [Di(2-ethylhexyl) phthalate]	9.72	11.8
Bromodichloromethane [Dichlorobromomethane]	354	430
Bromoform [Tribromomethane]	1366	1658
Cadmium	N/A	N/A
Carbon Tetrachloride	59.2	71.9
Chlordane	0.00322	0.00391
Chlorobenzene	3527	4283
Chlorodibromomethane [Dibromochloromethane]	235	286
Chloroform [Trichloromethane]	9919	12044
Chromium (hexavalent)	646	785
Chrysene	3.24	3.94
Cresols [Methylphenols]	11986	14554
Cyanide (free)	N/A	N/A
4,4'-DDD	0.00257	0.00312
4,4'-DDE	0.000167	0.000203
4,4'-DDT	0.000515	0.000625
2,4'-D	N/A	N/A
Danitol [Fenpropathrin]	609	740
1,2-Dibromoethane [Ethylene Dibromide]	5.46	6.63
m-Dichlorobenzene [1,3-Dichlorobenzene]	766	931
o-Dichlorobenzene [1,2-Dichlorobenzene]	4251	5162
p-Dichlorobenzene [1,4-Dichlorobenzene]	N/A	N/A
3,3'-Dichlorobenzidine	2.88	3.50
1,2-Dichloroethane	469	569
1,1-Dichloroethylene [1,1-Dichloroethene]	71026	86246
Dichloromethane [Methylene Chloride]	17182	20864
1,2-Dichloropropane	333	405
1,3-Dichloropropene [1,3-Dichloropropylene]	153	186
Dicofol [Kelthane]	0.386	0.469
Dieldrin	0.0000257	0.0000312
2,4-Dimethylphenol	10871	13201
Di-*n*-Butyl Phthalate	119	144
Dioxins/Furans [TCDD Equivalents]	1.02E-07	1.24E-07
Endrin	0.0257	0.0312

Epichlorohydrin	2594	3150
Ethylbenzene	2406	2921
Ethylene Glycol	21650423	26289799
Fluoride	N/A	N/A
Heptachlor	0.000128	0.000156
Heptachlor Epoxide	0.000373	0.000453
Hexachlorobenzene	0.000876	0.00106
Hexachlorobutadiene	0.283	0.344
Hexachlorocyclohexane (*alpha*)	0.0108	0.0131
Hexachlorocyclohexane (*beta*)	0.335	0.406
Hexachlorocyclohexane (*gamma*) [Lindane]	0.439	0.533
Hexachlorocyclopentadiene	14.9	18.1
Hexachloroethane	3.00	3.64
Hexachlorophene	3.73	4.53
4,4'-Isopropylidenediphenol	20596	25009
Lead	25.8	31.3
Mercury	0.0157	0.0190
Methoxychlor	3.86	4.69
Methyl Ethyl Ketone	1278405	1552350
Methyl *tert*-butyl ether [MTBE]	13508	16402
Nickel	3190	3873
Nitrate-Nitrogen (as Total Nitrogen)	N/A	N/A
Nitrobenzene	2413	2930
N-Nitrosodiethylamine	2.70	3.28
N-Nitroso-di-*n*-Butylamine	5.41	6.57
Pentachlorobenzene	0.457	0.555
Pentachlorophenol	0.373	0.453
Polychlorinated Biphenyls [PCBs]	0.000824	0.00100
Pyridine	1220	1481
Selenium	N/A	N/A
1,2,4,5-Tetrachlorobenzene	0.309	0.375
1,1,2,2-Tetrachloroethane	33.9	41.2
Tetrachloroethylene [Tetrachloroethylene]	360	438
Thallium	0.296	0.359
Toluene	N/A	N/A
Toxaphene	0.0141	0.0172
2,4,5-TP [Silvex]	475	577
1,1,1-Trichloroethane	1010809	1227411
1,1,2-Trichloroethane	213	259
Trichloroethylene [Trichloroethene]	92.6	112
2,4,5-Trichlorophenol	2406	2921
TTHM [Sum of Total Trihalomethanes]	N/A	N/A
Vinyl Chloride	21.2	25.8

TEXTOX MENU #3 - PERENNIAL STREAM OR RIVER
HUMAN HEALTH ONLY

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

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:	City of Lockhart and Guadalupe-Blanco River Authority
TPDES Permit No.:	WQ0010210001
Outfall No.:	001
Prepared by:	Sonia Bhuiya
Date:	March 17, 2025

DISCHARGE INFORMATION

Receiving Waterbody:	Plum Creek
Segment No.:	1810
TSS (mg/L):	7.6
Effluent Flow for Human Health (MGD):	1.1
Harmonic Mean Flow (cfs):	0.42
% Effluent for Human Health:	80.21
Human Health Criterion (select: PWS or FISH)	**FISH**

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

Stream/River Metal	*Intercept (b)*	*Slope (m)*	*Partition Coefficient (Kp)*	*Dissolved Fraction (Cd/Ct)*	*Source*	*Water Effect Ratio (WER)*	*Source*
Aluminum	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Arsenic	5.68	-0.73	108894.53	0.547		1.00	Assumed
Cadmium	6.60	-1.13	402421.00	0.246		1.00	Assumed
Chromium (total)	6.52	-0.93	502161.44	0.208		1.00	Assumed
Chromium (trivalent)	6.52	-0.93	502161.44	0.208		1.00	Assumed
Chromium (hexavalent)	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Copper	6.02	-0.74	233452.18	0.360		1.00	Assumed
Lead	6.45	-0.80	556351.32	0.191		1.00	Assumed
Mercury	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Nickel	5.69	-0.57	154147.42	0.461		1.00	Assumed
Selenium	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Silver	6.38	-1.03	297003.80	0.307		1.00	Assumed
Zinc	6.10	-0.70	304390.07	0.302		1.00	Assumed

HUMAN HEALTH

CALCULATE DAILY AVERAGE AND DAILY MAXIMUM EFFLUENT LIMITATIONS:

Parameter	*Water and Fish Criterion (µg/L)*	*Fish Only Criterion (µg/L)*	*WLAh (µg/L)*	*LTAh (µg/L)*	*Daily Avg. (µg/L)*	*Daily Max. (µg/L)*
Acrylonitrile	1.0	115	143	133	195	413
Aldrin	1.146E-05	1.147E-05	0.0000143	0.0000133	0.0000195	0.0000413

Anthracene	1109	1317	1642	1527	2244	4748
Antimony	6	1071	1335	1242	1825	3862
Arsenic	10	N/A	N/A	N/A	N/A	N/A
Barium	2000	N/A	N/A	N/A	N/A	N/A
Benzene	5	581	724	673	989	2093
Benzidine	0.0015	0.107	0.133	0.124	0.182	0.385
Benzo(*a*)anthracene	0.024	0.025	0.0312	0.0290	0.0426	0.0901
Benzo(*a*)pyrene	0.0025	0.0025	0.00312	0.00290	0.00426	0.00901
Bis(chloromethyl)ether	0.0024	0.2745	0.342	0.318	0.467	0.988
Bis(2-chloroethyl)ether	0.60	42.83	53.4	49.7	73.0	154
Bis(2-ethylhexyl) phthalate [Di(2-ethylhexyl) phthalate]	6	7.55	9.41	8.75	12.8	27.2
Bromodichloromethane [Dichlorobromomethane]	10.2	275	343	319	468	992
Bromoform [Tribromomethane]	66.9	1060	1322	1229	1806	3822
Cadmium	5	N/A	N/A	N/A	N/A	N/A
Carbon Tetrachloride	4.5	46	57.4	53.4	78.4	166
Chlordane	0.0025	0.0025	0.00312	0.00290	0.00426	0.00901
Chlorobenzene	100	2737	3412	3173	4664	9868
Chlorodibromomethane [Dibromochloromethane]	7.5	183	228	212	311	659
Chloroform [Trichloromethane]	70	7697	9596	8924	13118	27753
Chromium (hexavalent)	62	502	626	582	855	1810
Chrysene	2.45	2.52	3.14	2.92	4.29	9.08
Cresols [Methylphenols]	1041	9301	11596	10784	15852	33538
Cyanide (free)	200	N/A	N/A	N/A	N/A	N/A
4,4'-DDD	0.002	0.002	0.00249	0.00232	0.00341	0.00721
4,4'-DDE	0.00013	0.00013	0.000162	0.000151	0.000221	0.000469
4,4'-DDT	0.0004	0.0004	0.000499	0.000464	0.000682	0.00144
2,4'-D	70	N/A	N/A	N/A	N/A	N/A
Danitol [Fenpropathrin]	262	473	590	549	807	1707
1,2-Dibromoethane [Ethylene Dibromide]	0.17	4.24	5.29	4.92	7.23	15.3
m-Dichlorobenzene [1,3-Dichlorobenzene]	322	595	742	690	1014	2145
o-Dichlorobenzene [1,2-Dichlorobenzene]	600	3299	4113	3825	5622	11895
p-Dichlorobenzene [1,4-Dichlorobenzene]	75	N/A	N/A	N/A	N/A	N/A
3,3'-Dichlorobenzidine	0.79	2.24	2.79	2.59	3.80	8.05
1,2-Dichloroethane	5	364	454	422	620	1312
1,1-Dichloroethylene [1,1-Dichloroethene]	7	55114	68715	63905	93940	198744
Dichloromethane [Methylene Chloride]	5	13333	16623	15459	22724	48077
1,2-Dichloropropane	5	259	323	300	441	933
1,3-Dichloropropene [1,3-Dichloropropylene]	2.8	119	148	138	202	429
Dicofol [Kelthane]	0.30	0.30	0.374	0.348	0.511	1.08
Dieldrin	2.0E-05	2.0E-05	0.0000249	0.0000232	0.0000341	0.0000721
2,4-Dimethylphenol	444	8436	10518	9782	14379	30422
Di-*n*-Butyl Phthalate	88.9	92.4	115	107	157	332
Dioxins/Furans [TCDD Equivalents]	7.80E-08	7.97E-08	9.94E-08	9.24E-08	1.35E-07	2.87E-07
Endrin	0.02	0.02	0.0249	0.0232	0.0341	0.0721
Epichlorohydrin	53.5	2013	2510	2334	3430	7258
Ethylbenzene	700	1867	2328	2165	3182	6733
Ethyl Glycol	46744	1.68E+07	20945849	19479640	28635070	60581680
Fluoride	4000	N/A	N/A	N/A	N/A	N/A
Heptachlor	8.0E-05	0.0001	0.000125	0.000116	0.000170	0.000360
Heptachlor Epoxide	0.00029	0.00029	0.000362	0.000337	0.000495	0.00104
Hexachlorobenzene	0.00068	0.00068	0.000848	0.000789	0.00115	0.00245

Hexachlorobutadiene	0.21	0.22	0.274	0.255	0.374	0.793
Hexachlorocyclohexane (*alpha*)	0.0078	0.0084	0.0105	0.00977	0.0143	0.0303
Hexachlorocyclohexane (*beta*)	0.15	0.26	0.324	0.301	0.442	0.936
Hexachlorocyclohexane (*gamma*) [Lindane]	0.2	0.341	0.425	0.395	0.580	1.22
Hexachlorocyclopentadiene	10.7	11.6	14.5	13.5	19.8	41.9
Hexachloroethane	1.84	2.33	2.90	2.70	3.96	8.39
Hexachlorophene	2.05	2.90	3.62	3.37	4.95	10.4
4,4'-Isopropylidenediphenol [Bisphenol A]	1092	15982	19926	18531	27240	57631
Lead	1.15	3.83	25.0	23.3	34.2	72.4
Mercury	0.0122	0.0122	0.0152	0.0141	0.0207	0.0438
Methoxychlor	2.92	3.0	3.74	3.48	5.11	10.8
Methyl Ethyl Ketone	13865	9.92E+05	1236803	1150227	1690833	3577205
Methyl *tert*-butyl ether [MTBE]	15	10482	13069	12154	17866	37798
Nickel	332	1140	3086	2870	4218	8925
Nitrate-Nitrogen (as Total Nitrogen)	10000	N/A	N/A	N/A	N/A	N/A
Nitrobenzene	45.7	1873	2335	2172	3192	6754
N-Nitrosodiethylamine	0.0037	2.1	2.62	2.44	3.58	7.58
N-Nitroso-di-*n*-Butylamine	0.119	4.2	5.24	4.87	7.15	15.1
Pentachlorobenzene	0.348	0.355	0.443	0.412	0.605	1.28
Pentachlorophenol	0.22	0.29	0.362	0.337	0.495	1.04
Polychlorinated Biphenyls [PCBs]	6.4E-04	6.4E-04	0.000798	0.000742	0.00109	0.00230
Pyridine	23	947	1181	1098	1614	3414
Selenium	50	N/A	N/A	N/A	N/A	N/A
1,2,4,5-Tetrachlorobenzene	0.23	0.24	0.299	0.278	0.408	0.864
1,1,2,2-Tetrachloroethane	1.64	26.35	32.9	30.6	44.9	95.1
Tetrachloroethylene [Tetrachloroethylene]	5	280	349	325	477	1010
Thallium	0.12	0.23	0.287	0.267	0.392	0.830
Toluene	1000	N/A	N/A	N/A	N/A	N/A
Toxaphene	0.011	0.011	0.0137	0.0127	0.0186	0.0394
2,4,5-TP [Silvex]	50	369	460	428	629	1331
1,1,1-Trichloroethane	200	784354	977914	909460	1336906	2828420
1,1,2-Trichloroethane	5	166	207	193	283	600
Trichloroethylene [Trichloroethene]	5	71.9	89.6	83.3	122	259
2,4,5-Trichlorophenol	1039	1867	2328	2165	3182	6733
TTHM [Sum of Total Trihalomethanes]	80	N/A	N/A	N/A	N/A	N/A
Vinyl Chloride	0.23	16.5	20.6	19.2	28.2	59.7

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

Human Health *Parameter*	***70% of Daily Avg.*** ***(µg/L)***	***85% of Daily Avg.*** ***(µg/L)***
Acrylonitrile	136	165
Aldrin	0.0000136	0.0000165
Anthracene	1570	1907
Antimony	1277	1551
Arsenic	N/A	N/A
Barium	N/A	N/A
Benzene	692	840
Benzidine	0.127	0.154
Benzo(*a*)anthracene	0.0298	0.0362
Benzo(*a*)pyrene	0.00298	0.00362
Bis(chloromethyl)ether	0.326	0.396

Bis(2-chloroethyl)ether	51.1	62.0
Bis(2-ethylhexyl) phthalate [Di(2-ethylhexyl) phthalate]	8.96	10.8
Bromodichloromethane [Dichlorobromomethane]	327	397
Bromoform [Tribromomethane]	1264	1535
Cadmium	N/A	N/A
Carbon Tetrachloride	54.8	66.6
Chlordane	0.00298	0.00362
Chlorobenzene	3264	3964
Chlorodibromomethane [Dibromochloromethane]	217	264
Chloroform [Trichloromethane]	9182	11150
Chromium (hexavalent)	598	726
Chrysene	3.00	3.64
Cresols [Methylphenols]	11096	13474
Cyanide (free)	N/A	N/A
4,4'-DDD	0.00238	0.00289
4,4'-DDE	0.000154	0.000187
4,4'-DDT	0.000477	0.000579
2,4'-D	N/A	N/A
Danitol [Fenpropathrin]	564	685
1,2-Dibromoethane [Ethylene Dibromide]	5.06	6.14
m-Dichlorobenzene [1,3-Dichlorobenzene]	709	861
o-Dichlorobenzene [1,2-Dichlorobenzene]	3935	4778
p-Dichlorobenzene [1,4-Dichlorobenzene]	N/A	N/A
3,3'-Dichlorobenzidine	2.66	3.23
1,2-Dichloroethane	434	527
1,1-Dichloroethylene [1,1-Dichloroethene]	65758	79849
Dichloromethane [Methylene Chloride]	15906	19315
1,2-Dichloropropane	308	374
1,3-Dichloropropene [1,3-Dichloropropylene]	141	171
Dicofol [Kelthane]	0.357	0.434
Dieldrin	0.0000238	0.0000289
2,4-Dimethylphenol	10065	12222
Di-*n*-Butyl Phthalate	109	133
Dioxins/Furans [TCDD Equivalents]	9.45E-08	1.14E-07
Endrin	0.0238	0.0289
Epichlorohydrin	2401	2915
Ethylbenzene	2227	2704
Ethyl Glycol	20044549	24339809
Fluoride	N/A	N/A
Heptachlor	0.000119	0.000144
Heptachlor Epoxide	0.000346	0.000420
Hexachlorobenzene	0.000805	0.000977
Hexachlorobutadiene	0.261	0.317
Hexachlorocyclohexane (*alpha*)	0.0100	0.0121
Hexachlorocyclohexane (*beta*)	0.309	0.375
Hexachlorocyclohexane (*gamma*) [Lindane]	0.406	0.493
Hexachlorocyclopentadiene	13.8	16.8
Hexachloroethane	2.77	3.36
Hexachlorophene	3.46	4.20
4,4'-Isopropylidenediphenol [Bisphenol A]	19068	23154
Lead	23.9	29.0

Mercury	0.0144	0.0175
Methoxychlor	3.57	4.34
Methyl Ethyl Ketone	1183583	1437208
Methyl *tert*-butyl ether [MTBE]	12506	15186
Nickel	2952	3585
Nitrate-Nitrogen (as Total Nitrogen)	N/A	N/A
Nitrobenzene	2234	2713
N-Nitrosodiethylamine	2.50	3.04
N-Nitroso-di-*n*-Butylamine	5.00	6.07
Pentachlorobenzene	0.423	0.514
Pentachlorophenol	0.346	0.420
Polychlorinated Biphenyls [PCBs]	0.000763	0.000926
Pyridine	1129	1371
Selenium	N/A	N/A
1,2,4,5-Tetrachlorobenzene	0.285	0.346
1,1,2,2-Tetrachloroethane	31.4	38.1
Tetrachloroethylene [Tetrachloroethylene]	333	405
Thallium	0.274	0.333
Toluene	N/A	N/A
Toxaphene	0.0130	0.0158
2,4,5-TP [Silvex]	440	534
1,1,1-Trichloroethane	935834	1136370
1,1,2-Trichloroethane	198	240
Trichloroethylene [Trichloroethene]	85.4	103
2,4,5-Trichlorophenol	2227	2704
TTHM [Sum of Total Trihalomethanes]	N/A	N/A
Vinyl Chloride	19.7	23.9

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

October 24, 2024

Ms. Lauren Willis
Director of Government and Community Affairs
Guadalupe-Blanco River Authority
2225 East Common Street
New Braunfels, Texas 78130

RE: Application to Renew Permit No.: WQ0010210001 (EPA I.D. No. TX0023868)
Applicant Name: City of Lockhart (CN600245195); Guadalupe-Blanco River Authority (CN601180565)
Site Name: Lockhart Wastewater Treatment Plant No. 1 (RN101236065)
Type of Application: Renewal

VIA EMAIL

Dear Ms. Willis:

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

1. The following is a portion of the NORI which contains information relevant to your application. Please read it carefully and indicate if it contains any errors or omissions. The complete notice will be sent to you once the application is declared administratively complete.

   APPLICATION. City of Lockhart and Guadalupe-Blanco River Authority, P.O. Box 239, Lockhart, Texas 78644, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0010210001 (EPA I.D. No. TX0023868) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 1,100,000 gallons per day. The domestic wastewater treatment facility is located at 109 Larremore Street, in the city of Lockhart, in Caldwell County, Texas 78644. The discharge route is from the plant site to Town Branch, thence to Plum Creek. TCEQ received this application on October 17, 2024. The permit application will be available for viewing and copying at Dr. Eugene Clark Library, Circulation Desk, 217 South Main Street, Lockhart, in Caldwell County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application.
   https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.664444,29.884444&level=18

Further information may also be obtained from City of Lockhart and Guadalupe-Blanco River Authority at the address stated above or by calling Ms. Lauren Willis, Guadalupe- Blanco River Authority, at 830-379-5822.

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

Please submit the complete response, addressed to my attention by November 7, 2024. If you should have any questions, please do not hesitate to contact me by phone at (512) 239-4324 or by email at rainee.trevino@tceq.texas.gov

Sincerely,

Rainee Trevino

Rainee Trevino
Applications Review and Processing Team (MC148)
Water Quality Division
Texas Commission of Environmental Quality

RT

Enclosure(s)

Municipal Discharge Renewal Spanish NORI

cc: Mr. Eduardo Montana, Division Manager, Guadalupe-Blanco River Authority, 2225 East Common Street, New Braunfels, Texas 78130

Rainee Trevino

From: Rainee Trevino
Sent: Tuesday, November 5, 2024 4:29 PM
To: Lauren Willis
Subject: NORI for Permit No. WQ0010210001, City of Lockhart & Guadalupe-Blanco River Authority, Lockhart WWTP No. 1
Attachments: wq0010210001-nori-letter.pdf; wq0010210001-nori-eng.pdf; NORI Instructions Combined.pdf; wq0010210001-nori-esp.pdf

Good afternoon,

Permit No. WQ0010210001

Applicants are required to publish the Notice of Receipt of Application and Intent to Obtain a Water Quality Permit within 30 days of the application being declared administratively complete.

Attached are:

- Letter of Declaration of Administrative Completeness
- Instructions of Public Notice
- Notice of Receipt of Application and Intent to Obtain a Water Quality Permit
- Affidavit of Publication
- Public Notice Verification Form
- Notice of Receipt of Application and Intent to Obtain a Water Quality Permit in Spanish (or other alternative) Language (*if applicable)*

IMPORTANT: You must enter the Applicant Name and Permit Number into the sections provided in the upper right portion of the Affidavit of Publication. The CID or CCO Number section does not need to be entered and is intended for internal use only.

Best Regards,

Rainee Trevino
Water Quality Division | ARP Team
Texas Commission on Environmental Quality
512-239-4324

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

November 5, 2024

Mr. Lauren Willis
Director of Government and Community Affairs
Guadalupe-Blanco River Authority
2225 East Common Street
New Braunfels, Texas 78130

RE: Declaration of Administrative Completeness
Applicant Name: City of Lockhart (CN600245195); Guadalupe-Blanco River Authority (CN601180565)
Permit No.: WQ0010210001 (EPA I.D. No. TX0023868)
Site Name: Lockhart Wastewater Treatment Plant No. 1 (RN101236065)
Type of Application: Renewal

Dear Mr. Willis:

The executive director has declared the above referenced application, received on October 17, 2024 administratively complete on November 5, 2024.

You are now required to publish notice of your proposed activity and make a copy of the application available for public review. The following items are included to help you meet the regulatory requirements associated with this notice:

- Instructions for Public Notice
- Notice for Newspaper Publication
- Public Notice Verification Form
- Publisher's Affidavits

You must follow all the directions in the enclosed instructions. The most common mistakes are the unauthorized changing of notice, wording, or font. If you fail to follow these instructions, you may be required to republish the notices.

The following requirements are also described in the enclosed instructions. However, due to their importance, they are highlighted here as well.

1. Publish the enclosed notice within **30 calendar days** after your application is declared administratively complete. (See this letter's first paragraph for the declaration date.) **You may be required to publish the notice in more than one newspaper, including a newspaper published in an alternative language, to satisfy all of the notice requirements.**
2. On or before the date you publish notice, place a copy of your permit application in a public place in the county where the facility is or will be located. This copy must be accessible to the public for review and copying, must be updated to reflect changes to the application, and must remain in place throughout the comment period.
3. For each publication, submit proof of publication of the notice that shows the publication date and newspaper name to the Office of the Chief Clerk within **30 calendar days** after notice is published in the newspaper.

4. Return the original enclosed Public Notice Verification and the Publisher's Affidavits to the Office of the Chief Clerk within **30 calendar days** after the notice is published in the newspaper.

If you do not comply with **all** the requirements described in the instructions, further processing of your application may be suspended, or the agency may take other actions.

If you have any questions regarding publication requirements, please contact the Office of Legal Services at (512) 239-0600. If you have any questions regarding the content of the notice, please contact Rainee Trevino at (512) 239-4324 or rainee.trevino@tceq.texas.gov.

Sincerely,

J Bowers

Jennifer E. Bowers
Section Manager, Water Quality Division Support
Office of Water
Texas Commission of Environmental Quality

JEB/RT

Enclosures

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

TCEQ USE ONLY:

Application type: _____Renewal _____Major Amendment ____Minor Amendment _____New

County: _____ Segment Number: _____

Admin Complete Date: _____

Agency Receiving SPIF:

_____ Texas Historical Commission _____ U.S. Fish and Wildlife

_____ Texas Parks and Wildlife Department _____ U.S. Army Corps of Engineers

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

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

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

The following applies to all applications:

1. Permittee: City of Lockhart & Guadalupe-Blanco River Authority

   Permit No. WQ00 10210-001 EPA ID No. TX 0023868

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

   109 Larremore St., Lockhart, TX 78644 (Caldwell County)

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

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

First and Last Name: Eduardo Montana

Credential (P.E, P.G., Ph.D., etc.): Click here to enter text

Title: Division Manager Hays/Caldwell Counties

Mailing Address: 167 Creekview

City, State, Zip Code: Lockhart, TX 78644

Phone No.: 512-398-6391 Ext.: Click here to enter text Fax No.: Click here to enter text

E-mail Address: emontana@gbra.org

2. List the county in which the facility is located: Caldwell
3. If the property is publicly owned and the owner is different than the permittee/applicant, please list the owner of the property.

City of Lockhart

4. Provide a description of the effluent discharge route. The discharge route must follow the flow of effluent from the point of discharge to the nearest major watercourse (from the point of discharge to a classified segment as defined in 30 TAC Chapter 307). If known, please identify the classified segment number.

The treated effluent is discharged via pipeline to Town Branch; thence to Plum Creek, Segment 1810 of Guadalupe River Basin

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

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

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

☐ Proposed access roads, utility lines, construction easements

☐ Visual effects that could damage or detract from a historic property's integrity

☐ Vibration effects during construction or as a result of project design

☐ Additional phases of development that are planned for the future

☐ Sealing caves, fractures, sinkholes, other karst features

☐ Disturbance of vegetation or wetlands

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

N/A

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

Grass is mowed around and between existing wastewater treatment structures. Other than routine mowing, there is not ground disturbance associated with this permit.

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

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

Click here to enter text.

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

Click here to enter text.

Attachment 4: Original Photographs -

Aeration Basin

Sludge Digester

Attachment 4: Original Photographs -

Clarifier

Attachment 4: Original Photographs -

Sludge Thickener

Attachment 4: Original Photographs -

Chlorine Contact Chamber

LOCKHART NORTH QUADRANGLE
TEXAS
7.5-MINUTE

Coordinate System: NAD 1983 UTM Zone 14N
Projection: Transverse Mercator
Datum: North American 1983

This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Initial styling of this Map Document was provided by the US Geological Survey. The edited content in this document are neither done by nor endorsed by the USGS.

Contours............................National Elevation Dataset, 2022
Landcover..U.S. Geological Survey, 2019
Roads..U.S. Census Bureau, 2022

U.S. National Grid
100,000-m Square ID
PU
Grid Zone Designation
14R

SCALE 1:24,000

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

CONTOUR INTERVAL 10 FEET

TEXAS
QUADRANGLE LOCATION

Buda	Creedmoor	Lytton Springs
Uhland	Lockhart North	Dale
Martindale	Lockhart South	McMahan

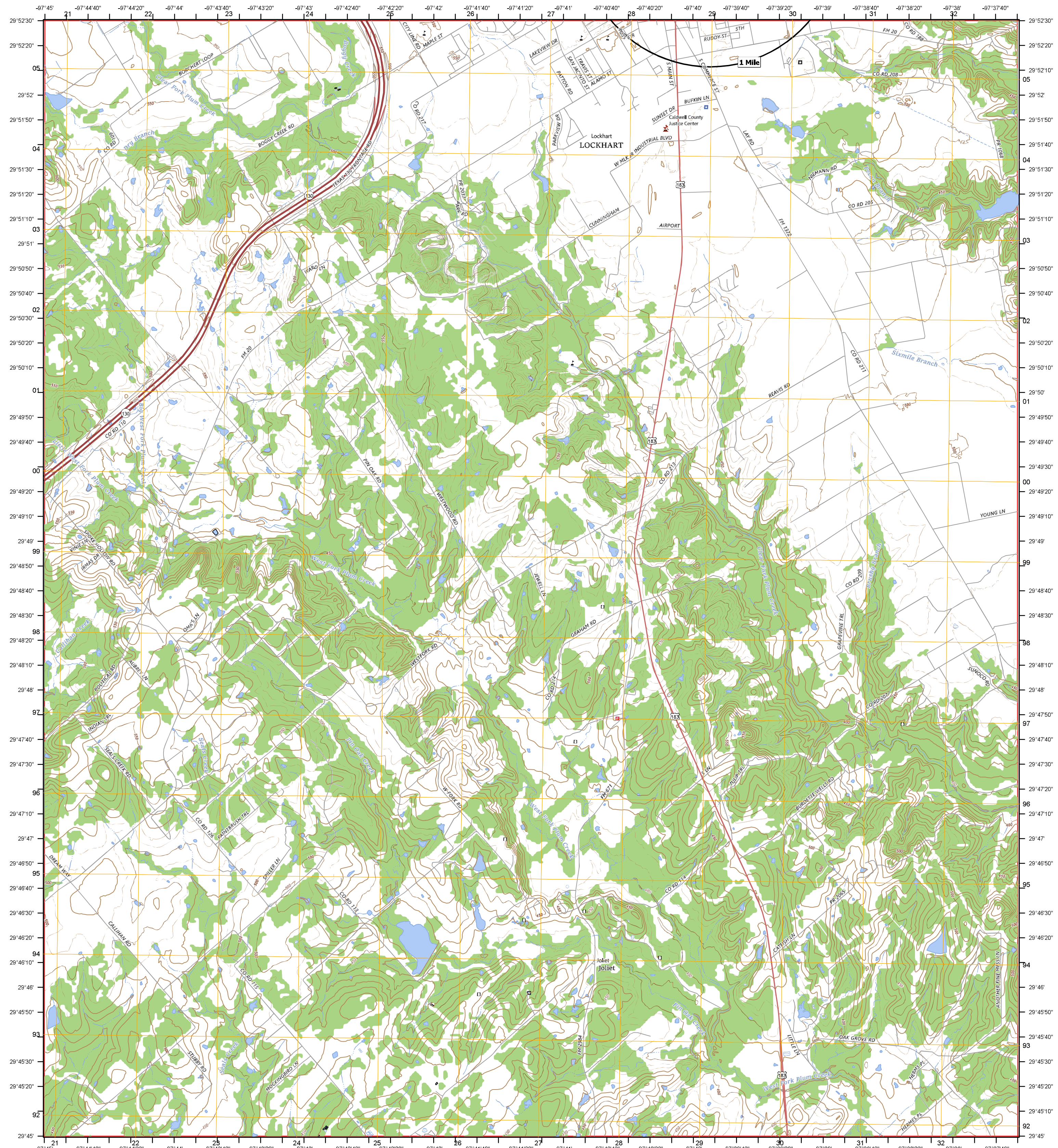
ADJOINING QUADRANGLES

ROAD CLASSIFICATION

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

LOCKHART WWTF NO. 1 (LARREMORE)
2024

LOCKHART SOUTH QUADRANGLE
TEXAS
7.5-MINUTE



Coordinate System: NAD 1983 UTM Zone 14N
Projection: Transverse Mercator
Datum: North American 1983

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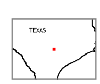
Landcover...U.S. Geological Survey, 2019
Roads..U.S. Census Bureau, 2022

U.S. National Grid
100,000-m Square ID
PU
PT
Grid Zone Designation
14R

SCALE 1:24,000

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

CONTOUR INTERVAL 10 FEET



QUADRANGLE LOCATION

Uhland	Lockhart North	Dale
Martindale	Lockhart South	McMahan
Kingsbury	Luling	Harwood

ADJOINING QUADRANGLES

ROAD CLASSIFICATION

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

LOCKHART WWTF NO. 1 (LARREMORE)
2024

Rainee Trevino

From: Lauren Willis <lwillis@gbra.org>
Sent: Tuesday, October 29, 2024 8:35 AM
To: Rainee Trevino
Cc: Eduardo Montana
Subject: RE: Application to Renew Permit No. WQ0010210001
Attachments: Municipal Discharge Renewal Spanish NORI (2).docx

Good morning Rainee –

I approved the portion of the NORI received. Attached is the Spanish version.

Please let me know if you have any questions.

GBRA
Guadalupe-Blanco River Authority

Lauren Willis
Director of Government and Community Affairs
o (830) 379-5822 ext. 312

2225 E. Common Street
New Braunfels TX 78130

From: Rainee Trevino <Rainee.Trevino@tceq.texas.gov>
Sent: Thursday, October 24, 2024 2:52 PM
To: Lauren Willis <lwillis@gbra.org>
Cc: Eduardo Montana <emontana@gbra.org>
Subject: Application to Renew Permit No. WQ0010210001

Dear Ms. Willis,

The attached Notice of Deficiency letter sent on October 24, 2024, requests additional information needed to declare the application administratively complete. Please send the complete response to my attention by November 7, 2024.

Best Regards,

Rainee Trevino
Water Quality Division | ARP Team
Texas Commission on Environmental Quality
512-239-4324

The TCEQ is committed to accessibility.
To request a more accessible version of this report, please contact the TCEQ Help Desk at (512) 239-4357.

Compliance History Report

Compliance History Report for CN601180565, RN101236065, Rating Year 2024 which includes Compliance History (CH) components from September 1, 2019, through August 31, 2024.

Customer, Respondent, or Owner/Operator: CN601180565, Guadalupe-Blanco River Authority **Classification:** SATISFACTORY **Rating:** 0.20

Regulated Entity: RN101236065, CITY OF LOCKHART WWTP NO1 **Classification:** SATISFACTORY **Rating:** 0.21

Complexity Points: 12 **Repeat Violator:** NO

CH Group: 08 - Sewage Treatment Facilities

Location: 108 LARREMORE ST LOCKHART, TX 78644-2852, CALDWELL COUNTY

TCEQ Region: REGION 11 - AUSTIN

ID Number(s):

WASTEWATER PERMIT WQ0010210001 **WASTEWATER** EPA ID TX0023868

STORMWATER PERMIT TXR05DG89

Compliance History Period: September 01, 2019 to August 31, 2024 **Rating Year:** 2024 **Rating Date:** 09/01/2024

Date Compliance History Report Prepared: November 13, 2024

Agency Decision Requiring Compliance History: Permit - Issuance, renewal, amendment, modification, denial, suspension, or revocation of a permit.

Component Period Selected: October 17, 2019 to November 13, 2024

TCEQ Staff Member to Contact for Additional Information Regarding This Compliance History.

Name: PT **Phone:** (512) 239-3581

Site and Owner/Operator History:

1) Has the site been in existence and/or operation for the full five year compliance period? YES
2) Has there been a (known) change in ownership/operator of the site during the compliance period? NO

Components (Multimedia) for the Site Are Listed in Sections A - J

A. Final Orders, court judgments, and consent decrees:
N/A

B. Criminal convictions:
N/A

C. Chronic excessive emissions events:
N/A

D. The approval dates of investigations (CCEDS Inv. Track. No.):

Item 1	October 18, 2019	(1613464)
Item 2	November 19, 2019	(1619280)
Item 3	December 18, 2019	(1626629)
Item 4	January 20, 2020	(1634271)
Item 5	February 19, 2020	(1640889)
Item 6	March 18, 2020	(1647409)
Item 7	April 16, 2020	(1653747)
Item 8	May 15, 2020	(1660330)
Item 9	June 19, 2020	(1666840)
Item 10	July 20, 2020	(1673793)

Item 11	September 17, 2020	(1680571)
Item 12	November 05, 2020	(1678064)
Item 13	November 19, 2020	(1713141)
Item 14	December 17, 2020	(1713142)
Item 15	January 19, 2021	(1713143)
Item 16	February 19, 2021	(1726200)
Item 17	March 19, 2021	(1726201)
Item 18	April 20, 2021	(1726202)
Item 19	May 18, 2021	(1740401)
Item 20	July 19, 2021	(1751931)
Item 21	August 20, 2021	(1757392)
Item 22	September 17, 2021	(1766487)
Item 23	October 20, 2021	(1777061)
Item 24	December 20, 2021	(1790880)
Item 25	January 20, 2022	(1798671)
Item 26	February 15, 2022	(1806545)
Item 27	March 16, 2022	(1813613)
Item 28	April 18, 2022	(1820182)
Item 29	May 19, 2022	(1829022)
Item 30	June 20, 2022	(1835315)
Item 31	July 20, 2022	(1842517)
Item 32	August 19, 2022	(1848649)
Item 33	September 20, 2022	(1856449)
Item 34	October 19, 2022	(1862806)
Item 35	November 18, 2022	(1869719)
Item 36	November 30, 2022	(1860278)
Item 37	December 16, 2022	(1875569)
Item 38	January 20, 2023	(1882389)
Item 39	February 20, 2023	(1890203)
Item 40	March 20, 2023	(1898766)
Item 41	March 31, 2023	(1893866)
Item 42	April 20, 2023	(1905555)
Item 43	May 16, 2023	(1912735)
Item 44	June 20, 2023	(1919339)
Item 45	July 18, 2023	(1926305)
Item 46	August 18, 2023	(1933263)
Item 47	September 18, 2023	(1939404)
Item 48	October 18, 2023	(1946252)
Item 49	November 17, 2023	(1951943)
Item 50	December 19, 2023	(1961713)
Item 51	January 18, 2024	(1968304)
Item 52	February 19, 2024	(1977365)
Item 53	March 20, 2024	(1983932)
Item 54	March 25, 2024	(1981125)
Item 55	April 19, 2024	(1990461)
Item 56	May 16, 2024	(1996918)
Item 57	June 18, 2024	(2003870)
Item 58	July 18, 2024	(2011428)
Item 59	August 19, 2024	(2017024)

E. Written notices of violations (NOV) (CCEDS Inv. Track. No.):

A notice of violation represents a written allegation of a violation of a specific regulatory requirement from the commission to a regulated entity. A notice of violation is not a final enforcement action, nor proof that a violation has actually occurred.

N/A

F. Environmental audits:

N/A

G. Type of environmental management systems (EMSs):

Compliance History Report for CN601180565, RN101236065, Rating Year 2024 which includes Compliance History (CH) components from October 17, 2019, through November 13, 2024. Ratings are pending Mass Classification.

N/A

H. Voluntary on-site compliance assessment dates:
N/A

I. Participation in a voluntary pollution reduction program:
N/A

J. Early compliance:
N/A

Sites Outside of Texas:
N/A

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To request a more accessible version of this report, please contact the TCEQ Help Desk at (512) 239-4357.

Compliance History Report

Compliance History Report for CN600245195, RN101236065, Rating Year 2024 which includes Compliance History (CH) components from September 1, 2019, through August 31, 2024.

Customer, Respondent, or Owner/Operator: CN600245195, City of Lockhart **Classification:** SATISFACTORY **Rating:** 0.21

Regulated Entity: RN101236065, CITY OF LOCKHART WWTP NO1 **Classification:** SATISFACTORY **Rating:** 0.27

Complexity Points: 9 **Repeat Violator:** NO

CH Group: 08 - Sewage Treatment Facilities

Location: 108 LARREMORE ST LOCKHART, TX 78644-2852, CALDWELL COUNTY

TCEQ Region: REGION 11 - AUSTIN

ID Number(s):

WASTEWATER PERMIT WQ0010210001

WASTEWATER EPA ID TX0023868

STORMWATER PERMIT TXR05DG89

Compliance History Period: September 01, 2019 to August 31, 2024 **Rating Year:** 2024 **Rating Date:** 09/01/2024

Date Compliance History Report Prepared: November 13, 2024

Agency Decision Requiring Compliance History: Permit - Issuance, renewal, amendment, modification, denial, suspension, or revocation of a permit.

Component Period Selected: October 17, 2019 to November 13, 2024

TCEQ Staff Member to Contact for Additional Information Regarding This Compliance History.

Name: PT **Phone:** (512) 239-3581

Site and Owner/Operator History:

1) Has the site been in existence and/or operation for the full five year compliance period? YES

2) Has there been a (known) change in ownership/operator of the site during the compliance period? NO

Components (Multimedia) for the Site Are Listed in Sections A - J

A. Final Orders, court judgments, and consent decrees:

N/A

B. Criminal convictions:

N/A

C. Chronic excessive emissions events:

N/A

D. The approval dates of investigations (CCEDS Inv. Track. No.):

Item 1	October 18, 2019	(1613464)
Item 2	November 19, 2019	(1619280)
Item 3	December 18, 2019	(1626629)
Item 4	January 20, 2020	(1634271)
Item 5	February 19, 2020	(1640889)
Item 6	March 18, 2020	(1647409)
Item 7	April 16, 2020	(1653747)
Item 8	May 15, 2020	(1660330)
Item 9	June 19, 2020	(1666840)
Item 10	July 20, 2020	(1673793)

Item 11	September 17, 2020	(1680571)
Item 12	November 05, 2020	(1678064)
Item 13	November 19, 2020	(1713141)
Item 14	December 17, 2020	(1713142)
Item 15	January 19, 2021	(1713143)
Item 16	February 19, 2021	(1726200)
Item 17	March 19, 2021	(1726201)
Item 18	April 20, 2021	(1726202)
Item 19	May 18, 2021	(1740401)
Item 20	July 19, 2021	(1751931)
Item 21	August 20, 2021	(1757392)
Item 22	September 17, 2021	(1766487)
Item 23	October 20, 2021	(1777061)
Item 24	December 20, 2021	(1790880)
Item 25	January 20, 2022	(1798671)
Item 26	February 15, 2022	(1806545)
Item 27	March 16, 2022	(1813613)
Item 28	April 18, 2022	(1820182)
Item 29	May 19, 2022	(1829022)
Item 30	June 20, 2022	(1835315)
Item 31	July 20, 2022	(1842517)
Item 32	August 19, 2022	(1848649)
Item 33	September 20, 2022	(1856449)
Item 34	October 19, 2022	(1862806)
Item 35	November 18, 2022	(1869719)
Item 36	November 30, 2022	(1860278)
Item 37	December 16, 2022	(1875569)
Item 38	January 20, 2023	(1882389)
Item 39	February 20, 2023	(1890203)
Item 40	March 20, 2023	(1898766)
Item 41	March 31, 2023	(1893866)
Item 42	April 20, 2023	(1905555)
Item 43	May 16, 2023	(1912735)
Item 44	June 20, 2023	(1919339)
Item 45	July 18, 2023	(1926305)
Item 46	August 18, 2023	(1933263)
Item 47	September 18, 2023	(1939404)
Item 48	October 18, 2023	(1946252)
Item 49	November 17, 2023	(1951943)
Item 50	December 19, 2023	(1961713)
Item 51	January 18, 2024	(1968304)
Item 52	February 19, 2024	(1977365)
Item 53	March 20, 2024	(1983932)
Item 54	March 25, 2024	(1981125)
Item 55	April 19, 2024	(1990461)
Item 56	May 16, 2024	(1996918)
Item 57	June 18, 2024	(2003870)
Item 58	July 18, 2024	(2011428)
Item 59	August 19, 2024	(2017024)

E. Written notices of violations (NOV) (CCEDS Inv. Track. No.):

A notice of violation represents a written allegation of a violation of a specific regulatory requirement from the commission to a regulated entity. A notice of violation is not a final enforcement action, nor proof that a violation has actually occurred.

N/A

F. Environmental audits:

N/A

G. Type of environmental management systems (EMSs):

Compliance History Report for CN600245195, RN101236065, Rating Year 2024 which includes Compliance History (CH) components from October 17, 2019, through November 13, 2024. Ratings are pending Mass Classification.

N/A

H. Voluntary on-site compliance assessment dates:
N/A

I. Participation in a voluntary pollution reduction program:
N/A

J. Early compliance:
N/A

Sites Outside of Texas:
N/A

DMR DATA

WQ0010210001 - GUADALUPE-BLANCO RIVER AUTHORITY

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure DAILY AV (mg/L)	Reported Measure DAILY MX (mg/L)	Reported Measure DAILY AV (lb/d)
TX0023868	9/30/2019	001A	BOD, carbonaceous [5 day, 20 C]	1.6	3	4.88
TX0023868	10/31/2019	001A	BOD, carbonaceous [5 day, 20 C]	1.4	2	4.17
TX0023868	11/30/2019	001A	BOD, carbonaceous [5 day, 20 C]	1.4	2	3.69
TX0023868	12/31/2019	001A	BOD, carbonaceous [5 day, 20 C]	1.4	2	3.49
TX0023868	1/31/2020	001A	BOD, carbonaceous [5 day, 20 C]	1.3	2	3.56
TX0023868	2/29/2020	001A	BOD, carbonaceous [5 day, 20 C]	1.4	2	2.85
TX0023868	3/31/2020	001A	BOD, carbonaceous [5 day, 20 C]	2	3	6.14
TX0023868	4/30/2020	001A	BOD, carbonaceous [5 day, 20 C]	1.6	2	4.69
TX0023868	5/31/2020	001A	BOD, carbonaceous [5 day, 20 C]	1.8	3	6.69
TX0023868	6/30/2020	001A	BOD, carbonaceous [5 day, 20 C]	1.6	3	5.4
TX0023868	7/31/2020	001A	BOD, carbonaceous [5 day, 20 C]	1.8	3	5.85
TX0023868	8/31/2020	001A	BOD, carbonaceous [5 day, 20 C]	2.1	3	6.21
TX0023868	9/30/2020	001A	BOD, carbonaceous [5 day, 20 C]	3	4	9.14
TX0023868	10/31/2020	001A	BOD, carbonaceous [5 day, 20 C]	2.6	4	6.9
TX0023868	11/30/2020	001A	BOD, carbonaceous [5 day, 20 C]	1.3	2	3.65
TX0023868	12/31/2020	001A	BOD, carbonaceous [5 day, 20 C]	1.3	2	3.7
TX0023868	1/31/2021	001A	BOD, carbonaceous [5 day, 20 C]	1.4	2	2.89
TX0023868	2/28/2021	001A	BOD, carbonaceous [5 day, 20 C]	1.8	2	5.85
TX0023868	3/31/2021	001A	BOD, carbonaceous [5 day, 20 C]	2	3	5.62
TX0023868	4/30/2021	001A	BOD, carbonaceous [5 day, 20 C]	1.6	2	3.98
TX0023868	5/31/2021	001A	BOD, carbonaceous [5 day, 20 C]	1.9	3	7
TX0023868	6/30/2021	001A	BOD, carbonaceous [5 day, 20 C]	1.7	3	5.2
TX0023868	7/31/2021	001A	BOD, carbonaceous [5 day, 20 C]	1.2	2	4.39
TX0023868	8/31/2021	001A	BOD, carbonaceous [5 day, 20 C]	1	1	2.9
TX0023868	9/30/2021	001A	BOD, carbonaceous [5 day, 20 C]	1.8	3	5.41
TX0023868	10/31/2021	001A	BOD, carbonaceous [5 day, 20 C]	1.4	2	6.53
TX0023868	11/30/2021	001A	BOD, carbonaceous [5 day, 20 C]	1.5	2	4.9
TX0023868	12/31/2021	001A	BOD, carbonaceous [5 day, 20 C]	2.1	3	6.1
TX0023868	1/31/2022	001A	BOD, carbonaceous [5 day, 20 C]	2	2	4.72

TX0023868	2/28/2022	001A	BOD, carbonaceous [5 day, 20 C]	1.8	2	6.18
TX0023868	3/31/2022	001A	BOD, carbonaceous [5 day, 20 C]	1.7	2	5.49
TX0023868	4/30/2022	001A	BOD, carbonaceous [5 day, 20 C]	1.6	2	5.14
TX0023868	5/31/2022	001A	BOD, carbonaceous [5 day, 20 C]	2	3	6.43
TX0023868	6/30/2022	001A	BOD, carbonaceous [5 day, 20 C]	1.7	2	5.84
TX0023868	7/31/2022	001A	BOD, carbonaceous [5 day, 20 C]	2.1	3	6.84
TX0023868	8/31/2022	001A	BOD, carbonaceous [5 day, 20 C]	2	3	6.97
TX0023868	9/30/2022	001A	BOD, carbonaceous [5 day, 20 C]	1.8	3	5.92
TX0023868	10/31/2022	001A	BOD, carbonaceous [5 day, 20 C]	1.5	2	4.64
TX0023868	11/30/2022	001A	BOD, carbonaceous [5 day, 20 C]	1.8	3	5.38
TX0023868	12/31/2022	001A	BOD, carbonaceous [5 day, 20 C]	1.8	3	5.51
TX0023868	1/31/2023	001A	BOD, carbonaceous [5 day, 20 C]	2.1	3	6.88
TX0023868	2/28/2023	001A	BOD, carbonaceous [5 day, 20 C]	2.3	3	8.27
TX0023868	3/31/2023	001A	BOD, carbonaceous [5 day, 20 C]	2.1	3	8.84
TX0023868	4/30/2023	001A	BOD, carbonaceous [5 day, 20 C]	2.4	3	9.14
TX0023868	5/31/2023	001A	BOD, carbonaceous [5 day, 20 C]	2	2	7.05
TX0023868	6/30/2023	001A	BOD, carbonaceous [5 day, 20 C]	1.4	2	5.01
TX0023868	7/31/2023	001A	BOD, carbonaceous [5 day, 20 C]	1.4	2	4.78
TX0023868	8/31/2023	001A	BOD, carbonaceous [5 day, 20 C]	1.4	2	4.89
TX0023868	9/30/2023	001A	BOD, carbonaceous [5 day, 20 C]	2	4	5.39
TX0023868	10/31/2023	001A	BOD, carbonaceous [5 day, 20 C]	2.3	3	8.09
TX0023868	11/30/2023	001A	BOD, carbonaceous [5 day, 20 C]	2	3	6.12
TX0023868	12/31/2023	001A	BOD, carbonaceous [5 day, 20 C]	2	3	4.77
TX0023868	1/31/2024	001A	BOD, carbonaceous [5 day, 20 C]	2.2	4	10.63
TX0023868	2/29/2024	001A	BOD, carbonaceous [5 day, 20 C]	2.2	3	7.17
TX0023868	3/31/2024	001A	BOD, carbonaceous [5 day, 20 C]	2.6	4	8.63
TX0023868	4/30/2024	001A	BOD, carbonaceous [5 day, 20 C]	3.5	5	11.24
TX0023868	5/31/2024	001A	BOD, carbonaceous [5 day, 20 C]	2.5	4	9.07
TX0023868	6/30/2024	001A	BOD, carbonaceous [5 day, 20 C]	1.9	4	7.03
TX0023868	7/31/2024	001A	BOD, carbonaceous [5 day, 20 C]	1.6	3	5.61
TX0023868	8/31/2024	001A	BOD, carbonaceous [5 day, 20 C]	1.4	2	5.23
TX0023868	9/30/2024	001A	BOD, carbonaceous [5 day, 20 C]	3.9	8	13.01
			2 YEAR AVERAGE	2.08	3.24	7.13
			5 YEAR AVERAGE	1.87	2.79	6.03

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure DAILY AV (mg/L)	Reported Measure DAILY MX (mg/L)	Reported Measure DAILY AV (lb/d)
TX0023868	9/30/2019	001A	Chlordane [tech mix. and metabolites]	0.0000102	0.0000102	0.0000102
TX0023868	10/31/2019	001A	Chlordane [tech mix. and metabolites]	0.0000102	0.0000102	0.0000102
TX0023868	11/30/2019	001A	Chlordane [tech mix. and metabolites]	0.00000103	0.00000103	0.00000103

TX0023868	12/31/2019	001A	Chlordane [tech mix. and metabolites]	0.0000103	0.0000103	0.0000103
TX0023868	1/31/2020	001A	Chlordane [tech mix. and metabolites]	0.0000104	0.0000104	0.0000104
TX0023868	2/29/2020	001A	Chlordane [tech mix. and metabolites]	0.00001	0.00001	0.00001
TX0023868	3/31/2020	001A	Chlordane [tech mix. and metabolites]	0.0000102	0.0000102	0.0000102
TX0023868	4/30/2020	001A	Chlordane [tech mix. and metabolites]	0.000152	0.000152	0.000152
TX0023868	5/31/2020	001A	Chlordane [tech mix. and metabolites]	0.0000101	0	0
TX0023868	6/30/2020	001A	Chlordane [tech mix. and metabolites]	0.0000104	0.0000104	0.0000104
TX0023868	7/31/2020	001A	Chlordane [tech mix. and metabolites]	0.0000109	0.0000109	0.0000109
TX0023868	8/31/2020	001A	Chlordane [tech mix. and metabolites]	0.0000106	0.0000106	0.0000106
TX0023868	9/30/2020	001A	Chlordane [tech mix. and metabolites]	0.0000097	0.0000097	0.0000097
TX0023868	10/31/2020	001A	Chlordane [tech mix. and metabolites]	0.0000096	0.0000096	0.0000096
TX0023868	11/30/2020	001A	Chlordane [tech mix. and metabolites]	0.0000101	0.0000101	0.0000101
TX0023868	12/31/2020	001A	Chlordane [tech mix. and metabolites]	0.0000102	0.0000102	0.0000102
TX0023868	1/31/2021	001A	Chlordane [tech mix. and metabolites]	0.0000099	0.0000099	0.0000099
TX0023868	2/28/2021	001A	Chlordane [tech mix. and metabolites]	0.00000975	0.00000975	0.00000975
TX0023868	3/31/2021	001A	Chlordane [tech mix. and metabolites]	0.0000095	0.0000095	0.0000095
TX0023868	4/30/2021	001A	Chlordane [tech mix. and metabolites]	0.0000097	0.0000097	0.0000097
TX0023868	5/31/2021	001A	Chlordane [tech mix. and metabolites]	0.00000961	0.00000961	0.00000961
TX0023868	6/30/2021	001A	Chlordane [tech mix. and metabolites]	0.00000953	0.00000953	0.00000953
TX0023868	7/31/2021	001A	Chlordane [tech mix. and metabolites]	0.0000096	0.0000096	0.0000096
TX0023868	8/31/2021	001A	Chlordane [tech mix. and metabolites]	0.0000096	0.0000096	0.0000096
TX0023868	9/30/2021	001A	Chlordane [tech mix. and metabolites]	0.00000967	0.00000967	0.00000967
TX0023868	10/31/2021	001A	Chlordane [tech mix. and metabolites]	0.00000973	0.00000973	0.00000973
TX0023868	11/30/2021	001A	Chlordane [tech mix. and metabolites]	0	0	0
TX0023868	12/31/2021	001A	Chlordane [tech mix. and metabolites]	0.0000097	0.0000097	0.0000097
TX0023868	1/31/2022	001A	Chlordane [tech mix. and metabolites]	0.0000101	0.0000101	0.0000101
TX0023868	2/28/2022	001A	Chlordane [tech mix. and metabolites]	0.0000105	0.0000105	0.0000105
TX0023868	3/31/2022	001A	Chlordane [tech mix. and metabolites]	0.00000959	0.00000959	0.00000959
TX0023868	4/30/2022	001A	Chlordane [tech mix. and metabolites]	0.0000105	0.0000105	0.0000105
TX0023868	5/31/2022	001A	Chlordane [tech mix. and metabolites]	0.0000104	0.0000104	0.0000104
TX0023868	6/30/2022	001A	Chlordane [tech mix. and metabolites]	0.0000103	0.0000103	0.0000103
TX0023868	7/31/2022	001A	Chlordane [tech mix. and metabolites]	0.00000974	0.00000974	0.00000974
TX0023868	8/31/2022	001A	Chlordane [tech mix. and metabolites]	0.00000996	0.00000996	0.00000996
TX0023868	9/30/2022	001A	Chlordane [tech mix. and metabolites]	0.0000097	0.0000097	0.0000097
TX0023868	10/31/2022	001A	Chlordane [tech mix. and metabolites]	0.00000964	0.00000964	0.00000964
TX0023868	11/30/2022	001A	Chlordane [tech mix. and metabolites]	0.00000964	0.00000964	0.00000964
TX0023868	12/31/2022	001A	Chlordane [tech mix. and metabolites]	0.0000111	0.0000111	0.0000111
TX0023868	1/31/2023	001A	Chlordane [tech mix. and metabolites]	0.00000998	0.00000998	0.00000998
TX0023868	2/28/2023	001A	Chlordane [tech mix. and metabolites]	0.00000977	0.00000977	0.00000977
TX0023868	3/31/2023	001A	Chlordane [tech mix. and metabolites]	0.00000962	0.00000962	0.00000962
TX0023868	4/30/2023	001A	Chlordane [tech mix. and metabolites]	0.000176	0.000176	0.000176

TX0023868	5/31/2023	001A	Chlordane [tech mix. and metabolites]	0.000177	0.000177	0.000177
TX0023868	6/30/2023	001A	Chlordane [tech mix. and metabolites]	0.000181	0.000181	0.000181
TX0023868	7/31/2023	001A	Chlordane [tech mix. and metabolites]	0.0002	0.0002	0.0002
TX0023868	8/31/2023	001A	Chlordane [tech mix. and metabolites]	0.0002	0.0002	0.0002
TX0023868	9/30/2023	001A	Chlordane [tech mix. and metabolites]	0.0002	0.0002	0.0002
TX0023868	10/31/2023	001A	Chlordane [tech mix. and metabolites]	0.000198	0.000198	0.000198
TX0023868	11/30/2023	001A	Chlordane [tech mix. and metabolites]	0.000195	0.000195	0.000195
TX0023868	12/31/2023	001A	Chlordane [tech mix. and metabolites]	0.000193	0.000193	0.000193
TX0023868	1/31/2024	001A	Chlordane [tech mix. and metabolites]	0.000195	0.000195	0.000195
TX0023868	2/29/2024	001A	Chlordane [tech mix. and metabolites]	0.000192	0.000192	0.000192
TX0023868	3/31/2024	001A	Chlordane [tech mix. and metabolites]	0.000192	0.000192	0.000192
TX0023868	4/30/2024	001A	Chlordane [tech mix. and metabolites]	0.000192	0.000192	0.000192
TX0023868	5/31/2024	001A	Chlordane [tech mix. and metabolites]	0.0002	0.0002	0.0002
TX0023868	6/30/2024	001A	Chlordane [tech mix. and metabolites]	0.0002	0.0002	0.0002
TX0023868	7/31/2024	001A	Chlordane [tech mix. and metabolites]	0.000192	0.000192	0.000192
TX0023868	8/31/2024	001A	Chlordane [tech mix. and metabolites]	0.000192	0.000192	0.000192
TX0023868	9/30/2024	001A	Chlordane [tech mix. and metabolites]	0.000193	0.000193	0.000193
			2 YEAR AVERAGE	0.00014	0.00014	0.00014
			5 YEAR AVERAGE	0.000066	0.000066	0.000066

EPA ID				Reported Measure	Reported Measure
	Monitoring Period	Outfall	Parameter	DAILY AV (CFU/100ml	DAILY MX (CFU/100mL)
TX0023868	9/30/2019	001A	E. coli	1	1
TX0023868	10/31/2019	001A	E. coli	1.2	2
TX0023868	11/30/2019	001A	E. coli	1	2
TX0023868	12/31/2019	001A	E. coli	1.2	3
TX0023868	1/31/2020	001A	E. coli	1	1
TX0023868	2/29/2020	001A	E. coli	1.7	4.1
TX0023868	3/31/2020	001A	E. coli	1.6	9.7
TX0023868	4/30/2020	001A	E. coli	1.4	4.1
TX0023868	5/31/2020	001A	E. coli	1.5	7.1
TX0023868	6/30/2020	001A	E. coli	1.5	2
TX0023868	7/31/2020	001A	E. coli	1.8	5.2
TX0023868	8/31/2020	001A	E. coli	2	7.4
TX0023868	9/30/2020	001A	E. coli	4.4	9.8
TX0023868	10/31/2020	001A	E. coli	3.1	5
TX0023868	11/30/2020	001A	E. coli	1.4	5.2
TX0023868	12/31/2020	001A	E. coli	1.4	2
TX0023868	1/31/2021	001A	E. coli	1.4	3
TX0023868	2/28/2021	001A	E. coli	1	1

TX0023868	3/31/2021	001A	E. coli	4.1	16
TX0023868	4/30/2021	001A	E. coli	1.7	4.1
TX0023868	5/31/2021	001A	E. coli	1.2	2
TX0023868	6/30/2021	001A	E. coli	2.7	6.3
TX0023868	7/31/2021	001A	E. coli	2.6	12.1
TX0023868	8/31/2021	001A	E. coli	1.6	5.2
TX0023868	9/30/2021	001A	E. coli	1	1
TX0023868	10/31/2021	001A	E. coli	1	1
TX0023868	11/30/2021	001A	E. coli	1.4	3.1
TX0023868	12/31/2021	001A	E. coli	2.1	3.1
TX0023868	1/31/2022	001A	E. coli	2.9	16
TX0023868	2/28/2022	001A	E. coli	2.4	6.3
TX0023868	3/31/2022	001A	E. coli	1.5	5.2
TX0023868	4/30/2022	001A	E. coli	4.8	13.2
TX0023868	5/31/2022	001A	E. coli	4.8	20.7
TX0023868	6/30/2022	001A	E. coli	2.3	9.8
TX0023868	7/31/2022	001A	E. coli	1.6	3
TX0023868	8/31/2022	001A	E. coli	1.4	3
TX0023868	9/30/2022	001A	E. coli	1.2	2
TX0023868	10/31/2022	001A	E. coli	1.1	2
TX0023868	11/30/2022	001A	E. coli	1	1
TX0023868	12/31/2022	001A	E. coli	1.7	4.1
TX0023868	1/31/2023	001A	E. coli	2	8.5
TX0023868	2/28/2023	001A	E. coli	2	4.1
TX0023868	3/31/2023	001A	E. coli	1.3	3
TX0023868	4/30/2023	001A	E. coli	1	1
TX0023868	5/31/2023	001A	E. coli	1.5	2
TX0023868	6/30/2023	001A	E. coli	2.8	58.1
TX0023868	7/31/2023	001A	E. coli	1.1	2
TX0023868	8/31/2023	001A	E. coli	1	1
TX0023868	9/30/2023	001A	E. coli	1.2	2
TX0023868	10/31/2023	001A	E. coli	1.1	2
TX0023868	11/30/2023	001A	E. coli	1.4	4.1
TX0023868	12/31/2023	001A	E. coli	1.2	2
TX0023868	1/31/2024	001A	E. coli	6.6	69.5
TX0023868	2/29/2024	001A	E. coli	1	1
TX0023868	3/31/2024	001A	E. coli	1	1
TX0023868	4/30/2024	001A	E. coli	1	1
TX0023868	5/31/2024	001A	E. coli	1	1
TX0023868	6/30/2024	001A	E. coli	1	1
TX0023868	7/31/2024	001A	E. coli	1	1

TX0023868	8/31/2024	001A	E. coli	1	1
TX0023868	9/30/2024	001A	E. coli	1	1
			2 YEAR GEOMEAN	1.31	2.28
			5 YEAR GEOMEAN	1.55	3.22

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure DAILY AV (MGD)	Reported Measure DAILY MX (MGD)
TX0023868	9/30/2019	001A	Flow, in conduit or thru treatment plant	0.37	0.43
TX0023868	10/31/2019	001A	Flow, in conduit or thru treatment plant	0.36	0.68
TX0023868	11/30/2019	001A	Flow, in conduit or thru treatment plant	0.33	0.39
TX0023868	12/31/2019	001A	Flow, in conduit or thru treatment plant	0.33	0.38
TX0023868	1/31/2020	001A	Flow, in conduit or thru treatment plant	0.33	0.40
TX0023868	2/29/2020	001A	Flow, in conduit or thru treatment plant	0.30	0.41
TX0023868	3/31/2020	001A	Flow, in conduit or thru treatment plant	0.37	0.61
TX0023868	4/30/2020	001A	Flow, in conduit or thru treatment plant	0.37	0.65
TX0023868	5/31/2020	001A	Flow, in conduit or thru treatment plant	0.43	1.30
TX0023868	6/30/2020	001A	Flow, in conduit or thru treatment plant	0.38	0.49
TX0023868	7/31/2020	001A	Flow, in conduit or thru treatment plant	0.41	0.49
TX0023868	8/31/2020	001A	Flow, in conduit or thru treatment plant	0.36	0.44
TX0023868	9/30/2020	001A	Flow, in conduit or thru treatment plant	0.38	1.26
TX0023868	10/31/2020	001A	Flow, in conduit or thru treatment plant	0.34	0.40
TX0023868	11/30/2020	001A	Flow, in conduit or thru treatment plant	0.34	0.40
TX0023868	12/31/2020	001A	Flow, in conduit or thru treatment plant	0.35	0.65
TX0023868	1/31/2021	001A	Flow, in conduit or thru treatment plant	0.33	0.41
TX0023868	2/28/2021	001A	Flow, in conduit or thru treatment plant	0.43	0.74
TX0023868	3/31/2021	001A	Flow, in conduit or thru treatment plant	0.34	0.41
TX0023868	4/30/2021	001A	Flow, in conduit or thru treatment plant	0.39	1.47
TX0023868	5/31/2021	001A	Flow, in conduit or thru treatment plant	0.53	1.81
TX0023868	6/30/2021	001A	Flow, in conduit or thru treatment plant	0.40	0.72
TX0023868	7/31/2021	001A	Flow, in conduit or thru treatment plant	0.47	0.92
TX0023868	8/31/2021	001A	Flow, in conduit or thru treatment plant	0.37	0.44
TX0023868	9/30/2021	001A	Flow, in conduit or thru treatment plant	0.35	0.71
TX0023868	10/31/2021	001A	Flow, in conduit or thru treatment plant	0.41	1.52
TX0023868	11/30/2021	001A	Flow, in conduit or thru treatment plant	0.36	0.58
TX0023868	12/31/2021	001A	Flow, in conduit or thru treatment plant	0.34	0.40
TX0023868	1/31/2022	001A	Flow, in conduit or thru treatment plant	0.33	0.92
TX0023868	2/28/2022	001A	Flow, in conduit or thru treatment plant	0.38	0.75
TX0023868	3/31/2022	001A	Flow, in conduit or thru treatment plant	0.41	1.05
TX0023868	4/30/2022	001A	Flow, in conduit or thru treatment plant	0.40	0.46
TX0023868	5/31/2022	001A	Flow, in conduit or thru treatment plant	0.40	0.45

TX0023868	6/30/2022	001A	Flow, in conduit or thru treatment plant	0.42	0.46
TX0023868	7/31/2022	001A	Flow, in conduit or thru treatment plant	0.37	0.46
TX0023868	8/31/2022	001A	Flow, in conduit or thru treatment plant	0.40	0.49
TX0023868	9/30/2022	001A	Flow, in conduit or thru treatment plant	0.41	0.53
TX0023868	10/31/2022	001A	Flow, in conduit or thru treatment plant	0.38	0.43
TX0023868	11/30/2022	001A	Flow, in conduit or thru treatment plant	0.37	0.56
TX0023868	12/31/2022	001A	Flow, in conduit or thru treatment plant	0.42	1.21
TX0023868	1/31/2023	001A	Flow, in conduit or thru treatment plant	0.40	0.63
TX0023868	2/28/2023	001A	Flow, in conduit or thru treatment plant	0.42	0.61
TX0023868	3/31/2023	001A	Flow, in conduit or thru treatment plant	0.40	0.47
TX0023868	4/30/2023	001A	Flow, in conduit or thru treatment plant	0.42	0.76
TX0023868	5/31/2023	001A	Flow, in conduit or thru treatment plant	0.46	1.05
TX0023868	6/30/2023	001A	Flow, in conduit or thru treatment plant	0.43	0.49
TX0023868	7/31/2023	001A	Flow, in conduit or thru treatment plant	0.42	0.47
TX0023868	8/31/2023	001A	Flow, in conduit or thru treatment plant	0.42	0.47
TX0023868	9/30/2023	001A	Flow, in conduit or thru treatment plant	0.41	0.52
TX0023868	10/31/2023	001A	Flow, in conduit or thru treatment plant	0.41	0.62
TX0023868	11/30/2023	001A	Flow, in conduit or thru treatment plant	0.37	0.48
TX0023868	12/31/2023	001A	Flow, in conduit or thru treatment plant	0.37	0.50
TX0023868	1/31/2024	001A	Flow, in conduit or thru treatment plant	0.49	1.51
TX0023868	2/29/2024	001A	Flow, in conduit or thru treatment plant	0.41	0.71
TX0023868	3/31/2024	001A	Flow, in conduit or thru treatment plant	0.40	0.47
TX0023868	4/30/2024	001A	Flow, in conduit or thru treatment plant	0.40	0.48
TX0023868	5/31/2024	001A	Flow, in conduit or thru treatment plant	0.45	0.80
TX0023868	6/30/2024	001A	Flow, in conduit or thru treatment plant	0.46	0.53
TX0023868	7/31/2024	001A	Flow, in conduit or thru treatment plant	0.44	0.56
TX0023868	8/31/2024	001A	Flow, in conduit or thru treatment plant	0.43	0.47
TX0023868	9/30/2024	001A	Flow, in conduit or thru treatment plant	0.42	0.52
			2 YEAR AVERAGE	0.42	0.63
			5 YEAR AVERAGE	0.39	0.66

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure DAILY AV (mg/L)	Reported Measure DAILY MX (mg/L)	Reported Measure DAILY AV (lb/d)
TX0023868	9/30/2019	001A	Nitrogen, ammonia total [as N]	0.2	0.2	0.59
TX0023868	10/31/2019	001A	Nitrogen, ammonia total [as N]	0.2	0.2	0.62
TX0023868	11/30/2019	001A	Nitrogen, ammonia total [as N]	0.74	1.4	1.99
TX0023868	12/31/2019	001A	Nitrogen, ammonia total [as N]	0.91	2.16	2.41
TX0023868	1/31/2020	001A	Nitrogen, ammonia total [as N]	0.21	0.26	0.55
TX0023868	2/29/2020	001A	Nitrogen, ammonia total [as N]	0.3	0.91	0.64
TX0023868	3/31/2020	001A	Nitrogen, ammonia total [as N]	0.38	0.9	1.16

TX0023868	4/30/2020	001A	Nitrogen, ammonia total [as N]	0.64	1.56	1.88
TX0023868	5/31/2020	001A	Nitrogen, ammonia total [as N]	0.9	3.96	3.64
TX0023868	6/30/2020	001A	Nitrogen, ammonia total [as N]	0.21	0.24	0.72
TX0023868	7/31/2020	001A	Nitrogen, ammonia total [as N]	0.3	1.1	0.95
TX0023868	8/31/2020	001A	Nitrogen, ammonia total [as N]	0.23	0.37	0.68
TX0023868	9/30/2020	001A	Nitrogen, ammonia total [as N]	0.2	0.2	0.61
TX0023868	10/31/2020	001A	Nitrogen, ammonia total [as N]	0.2	0.2	0.53
TX0023868	11/30/2020	001A	Nitrogen, ammonia total [as N]	0.26	0.65	0.73
TX0023868	12/31/2020	001A	Nitrogen, ammonia total [as N]	0.2	0.2	0.58
TX0023868	1/31/2021	001A	Nitrogen, ammonia total [as N]	0.2	0.2	0.42
TX0023868	2/28/2021	001A	Nitrogen, ammonia total [as N]	0.24	0.51	0.84
TX0023868	3/31/2021	001A	Nitrogen, ammonia total [as N]	0.37	1.56	1.27
TX0023868	4/30/2021	001A	Nitrogen, ammonia total [as N]	0.15	0.25	0.38
TX0023868	5/31/2021	001A	Nitrogen, ammonia total [as N]	0.18	0.44	0.66
TX0023868	6/30/2021	001A	Nitrogen, ammonia total [as N]	0.11	0.16	0.34
TX0023868	7/31/2021	001A	Nitrogen, ammonia total [as N]	0.1	0.1	0.35
TX0023868	8/31/2021	001A	Nitrogen, ammonia total [as N]	0.1	0.13	0.3
TX0023868	9/30/2021	001A	Nitrogen, ammonia total [as N]	0.22	0.97	0.76
TX0023868	10/31/2021	001A	Nitrogen, ammonia total [as N]	0.12	0.2	0.54
TX0023868	11/30/2021	001A	Nitrogen, ammonia total [as N]	0.2	0.6	0.6
TX0023868	12/31/2021	001A	Nitrogen, ammonia total [as N]	0.14	0.46	0.4
TX0023868	1/31/2022	001A	Nitrogen, ammonia total [as N]	0.1	0.13	0.25
TX0023868	2/28/2022	001A	Nitrogen, ammonia total [as N]	0.13	0.29	0.47
TX0023868	3/31/2022	001A	Nitrogen, ammonia total [as N]	0.1	0.1	0.32
TX0023868	4/30/2022	001A	Nitrogen, ammonia total [as N]	0.1	0.11	0.32
TX0023868	5/31/2022	001A	Nitrogen, ammonia total [as N]	0.1	0.1	0.32
TX0023868	6/30/2022	001A	Nitrogen, ammonia total [as N]	0.1	0.1	0.34
TX0023868	7/31/2022	001A	Nitrogen, ammonia total [as N]	0.1	0.1	0.31
TX0023868	8/31/2022	001A	Nitrogen, ammonia total [as N]	0.12	0.19	0.44
TX0023868	9/30/2022	001A	Nitrogen, ammonia total [as N]	0.15	0.44	0.52
TX0023868	10/31/2022	001A	Nitrogen, ammonia total [as N]	0.12	0.19	0.27
TX0023868	11/30/2022	001A	Nitrogen, ammonia total [as N]	0.1	0.1	0.3
TX0023868	12/31/2022	001A	Nitrogen, ammonia total [as N]	0.1	0.1	0.31
TX0023868	1/31/2023	001A	Nitrogen, ammonia total [as N]	0.37	1.38	1.19
TX0023868	2/28/2023	001A	Nitrogen, ammonia total [as N]	0.17	0.39	0.62
TX0023868	3/31/2023	001A	Nitrogen, ammonia total [as N]	0.11	0.15	0.48
TX0023868	4/30/2023	001A	Nitrogen, ammonia total [as N]	0.13	0.21	0.47
TX0023868	5/31/2023	001A	Nitrogen, ammonia total [as N]	0.1	0.14	0.37
TX0023868	6/30/2023	001A	Nitrogen, ammonia total [as N]	0.11	0.13	0.37
TX0023868	7/31/2023	001A	Nitrogen, ammonia total [as N]	0.1	0.1	0.35
TX0023868	8/31/2023	001A	Nitrogen, ammonia total [as N]	0.1	0.1	0.35

TX0023868	9/30/2023	001A	Nitrogen, ammonia total [as N]	0.16	0.57	0.44
TX0023868	10/31/2023	001A	Nitrogen, ammonia total [as N]	0.1	0.12	0.38
TX0023868	11/30/2023	001A	Nitrogen, ammonia total [as N]	0.1	0.1	0.3
TX0023868	12/31/2023	001A	Nitrogen, ammonia total [as N]	0.11	0.16	0.26
TX0023868	1/31/2024	001A	Nitrogen, ammonia total [as N]	0.39	1.15	1.53
TX0023868	2/29/2024	001A	Nitrogen, ammonia total [as N]	0.11	0.17	0.35
TX0023868	3/31/2024	001A	Nitrogen, ammonia total [as N]	0.13	0.36	0.43
TX0023868	4/30/2024	001A	Nitrogen, ammonia total [as N]	0.1	0.1	0.32
TX0023868	5/31/2024	001A	Nitrogen, ammonia total [as N]	0.12	0.29	0.44
TX0023868	6/30/2024	001A	Nitrogen, ammonia total [as N]	0.11	0.16	0.42
TX0023868	7/31/2024	001A	Nitrogen, ammonia total [as N]	0.16	0.36	0.58
TX0023868	8/31/2024	001A	Nitrogen, ammonia total [as N]	0.1	0.1	0.36
TX0023868	9/30/2024	001A	Nitrogen, ammonia total [as N]	0.11	0.15	0.36
			2 YEAR AVERAGE	0.14	0.29	0.47
			5 YEAR AVERAGE	0.21	0.47	0.65

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure MO MIN (mg/L)
TX0023868	9/30/2019	001A	Oxygen, dissolved [DO]	7.43
TX0023868	10/31/2019	001A	Oxygen, dissolved [DO]	7.57
TX0023868	11/30/2019	001A	Oxygen, dissolved [DO]	8.52
TX0023868	12/31/2019	001A	Oxygen, dissolved [DO]	8.89
TX0023868	1/31/2020	001A	Oxygen, dissolved [DO]	8.73
TX0023868	2/29/2020	001A	Oxygen, dissolved [DO]	8.82
TX0023868	3/31/2020	001A	Oxygen, dissolved [DO]	8.63
TX0023868	4/30/2020	001A	Oxygen, dissolved [DO]	8.2
TX0023868	5/31/2020	001A	Oxygen, dissolved [DO]	8.05
TX0023868	6/30/2020	001A	Oxygen, dissolved [DO]	7.83
TX0023868	7/31/2020	001A	Oxygen, dissolved [DO]	7.54
TX0023868	8/31/2020	001A	Oxygen, dissolved [DO]	7.42
TX0023868	9/30/2020	001A	Oxygen, dissolved [DO]	7.61
TX0023868	10/31/2020	001A	Oxygen, dissolved [DO]	7.97
TX0023868	11/30/2020	001A	Oxygen, dissolved [DO]	8.21
TX0023868	12/31/2020	001A	Oxygen, dissolved [DO]	8.94
TX0023868	1/31/2021	001A	Oxygen, dissolved [DO]	9.11
TX0023868	2/28/2021	001A	Oxygen, dissolved [DO]	9.32
TX0023868	3/31/2021	001A	Oxygen, dissolved [DO]	8.77
TX0023868	4/30/2021	001A	Oxygen, dissolved [DO]	8.2
TX0023868	5/31/2021	001A	Oxygen, dissolved [DO]	7.92
TX0023868	6/30/2021	001A	Oxygen, dissolved [DO]	7.74

TX0023868	7/31/2021	001A	Oxygen, dissolved [DO]	7.61
TX0023868	8/31/2021	001A	Oxygen, dissolved [DO]	7.49
TX0023868	9/30/2021	001A	Oxygen, dissolved [DO]	7.08
TX0023868	10/31/2021	001A	Oxygen, dissolved [DO]	7.78
TX0023868	11/30/2021	001A	Oxygen, dissolved [DO]	8.3
TX0023868	12/31/2021	001A	Oxygen, dissolved [DO]	8.25
TX0023868	1/31/2022	001A	Oxygen, dissolved [DO]	9.06
TX0023868	2/28/2022	001A	Oxygen, dissolved [DO]	8.96
TX0023868	3/31/2022	001A	Oxygen, dissolved [DO]	8.25
TX0023868	4/30/2022	001A	Oxygen, dissolved [DO]	8.07
TX0023868	5/31/2022	001A	Oxygen, dissolved [DO]	7.74
TX0023868	6/30/2022	001A	Oxygen, dissolved [DO]	7.46
TX0023868	7/31/2022	001A	Oxygen, dissolved [DO]	7.3
TX0023868	8/31/2022	001A	Oxygen, dissolved [DO]	7.29
TX0023868	9/30/2022	001A	Oxygen, dissolved [DO]	7.31
TX0023868	10/31/2022	001A	Oxygen, dissolved [DO]	7.28
TX0023868	11/30/2022	001A	Oxygen, dissolved [DO]	7.85
TX0023868	12/31/2022	001A	Oxygen, dissolved [DO]	8.18
TX0023868	1/31/2023	001A	Oxygen, dissolved [DO]	8.61
TX0023868	2/28/2023	001A	Oxygen, dissolved [DO]	8.32
TX0023868	3/31/2023	001A	Oxygen, dissolved [DO]	8.31
TX0023868	4/30/2023	001A	Oxygen, dissolved [DO]	8.03
TX0023868	5/31/2023	001A	Oxygen, dissolved [DO]	8.15
TX0023868	6/30/2023	001A	Oxygen, dissolved [DO]	7.72
TX0023868	7/31/2023	001A	Oxygen, dissolved [DO]	7.67
TX0023868	8/31/2023	001A	Oxygen, dissolved [DO]	7.19
TX0023868	9/30/2023	001A	Oxygen, dissolved [DO]	7.33
TX0023868	10/31/2023	001A	Oxygen, dissolved [DO]	7.7
TX0023868	11/30/2023	001A	Oxygen, dissolved [DO]	8.02
TX0023868	12/31/2023	001A	Oxygen, dissolved [DO]	8.68
TX0023868	1/31/2024	001A	Oxygen, dissolved [DO]	8.65
TX0023868	2/29/2024	001A	Oxygen, dissolved [DO]	8.75
TX0023868	3/31/2024	001A	Oxygen, dissolved [DO]	8.51
TX0023868	4/30/2024	001A	Oxygen, dissolved [DO]	8.05
TX0023868	5/31/2024	001A	Oxygen, dissolved [DO]	7.81
TX0023868	6/30/2024	001A	Oxygen, dissolved [DO]	7.21
TX0023868	7/31/2024	001A	Oxygen, dissolved [DO]	7.05
TX0023868	8/31/2024	001A	Oxygen, dissolved [DO]	7.46
TX0023868	9/30/2024	001A	Oxygen, dissolved [DO]	7.58
			2 YEAR AVERAGE	7.90
			5 YEAR AVERAGE	8.02

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure MINIMUM (SU)	Reported Measure MAXIMUM (SU)
TX0023868	9/30/2019	001A	pH	6.89	7.49
TX0023868	10/31/2019	001A	pH	6.89	7.35
TX0023868	11/30/2019	001A	pH	6.95	7.38
TX0023868	12/31/2019	001A	pH	7.14	7.39
TX0023868	1/31/2020	001A	pH	6.97	7.38
TX0023868	2/29/2020	001A	pH	6.98	7.22
TX0023868	3/31/2020	001A	pH	7.04	7.49
TX0023868	4/30/2020	001A	pH	7.3	7.72
TX0023868	5/31/2020	001A	pH	6.84	7.51
TX0023868	6/30/2020	001A	pH	7.05	7.21
TX0023868	7/31/2020	001A	pH	6.82	7.11
TX0023868	8/31/2020	001A	pH	6.96	7.25
TX0023868	9/30/2020	001A	pH	6.8	7.09
TX0023868	10/31/2020	001A	pH	6.86	7.55
TX0023868	11/30/2020	001A	pH	7.31	7.62
TX0023868	12/31/2020	001A	pH	7.11	7.5
TX0023868	1/31/2021	001A	pH	7.27	7.5
TX0023868	2/28/2021	001A	pH	7.26	7.55
TX0023868	3/31/2021	001A	pH	7.21	7.54
TX0023868	4/30/2021	001A	pH	7.22	7.45
TX0023868	5/31/2021	001A	pH	7.06	7.18
TX0023868	6/30/2021	001A	pH	6.98	7.12
TX0023868	7/31/2021	001A	pH	7.06	7.3
TX0023868	8/31/2021	001A	pH	7.07	7.39
TX0023868	9/30/2021	001A	pH	7	7.26
TX0023868	10/31/2021	001A	pH	6.95	7.26
TX0023868	11/30/2021	001A	pH	7.3	7.7
TX0023868	12/31/2021	001A	pH	7.21	7.58
TX0023868	1/31/2022	001A	pH	7.21	7.68
TX0023868	2/28/2022	001A	pH	7.03	7.42
TX0023868	3/31/2022	001A	pH	6.72	7.39
TX0023868	4/30/2022	001A	pH	7	7.35
TX0023868	5/31/2022	001A	pH	6.92	7.23
TX0023868	6/30/2022	001A	pH	6.82	7.1
TX0023868	7/31/2022	001A	pH	6.76	7.18
TX0023868	8/31/2022	001A	pH	6.88	7.44
TX0023868	9/30/2022	001A	pH	6.75	7.05

TX0023868	10/31/2022	001A	pH	6.88	7.09
TX0023868	11/30/2022	001A	pH	6.81	7.2
TX0023868	12/31/2022	001A	pH	6.7	7.15
TX0023868	1/31/2023	001A	pH	6.93	7.14
TX0023868	2/28/2023	001A	pH	6.81	7.12
TX0023868	3/31/2023	001A	pH	6.87	7.09
TX0023868	4/30/2023	001A	pH	6.94	7.55
TX0023868	5/31/2023	001A	pH	6.81	7.3
TX0023868	6/30/2023	001A	pH	7.06	7.3
TX0023868	7/31/2023	001A	pH	7.1	7.29
TX0023868	8/31/2023	001A	pH	6.82	7.1
TX0023868	9/30/2023	001A	pH	6.92	7.2
TX0023868	10/31/2023	001A	pH	6.88	7.91
TX0023868	11/30/2023	001A	pH	7.01	7.26
TX0023868	12/31/2023	001A	pH	7.09	7.54
TX0023868	1/31/2024	001A	pH	7.03	7.24
TX0023868	2/29/2024	001A	pH	6.93	7.22
TX0023868	3/31/2024	001A	pH	7.03	7.2
TX0023868	4/30/2024	001A	pH	6.85	7.26
TX0023868	5/31/2024	001A	pH	6.92	7.17
TX0023868	6/30/2024	001A	pH	6.71	7.11
TX0023868	7/31/2024	001A	pH	6.93	7.22
TX0023868	8/31/2024	001A	pH	6.06	7.23
TX0023868	9/30/2024	001A	pH	6.77	7.03
			2 YEAR AVERAGE	6.86	7.24
			5 YEAR AVERAGE	6.96	7.33

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure DAILY AV (mg/L)	Reported Measure DAILY MX (mg/L)	Reported Measure DAILY AV (lb/d)
TX0023868	9/30/2019	001A	Solids, total suspended	0.99	1.4	2.93
TX0023868	10/31/2019	001A	Solids, total suspended	0.98	1.6	2.86
TX0023868	11/30/2019	001A	Solids, total suspended	0.78	1.2	2.07
TX0023868	12/31/2019	001A	Solids, total suspended	0.94	1.8	2.41
TX0023868	1/31/2020	001A	Solids, total suspended	1.22	1.7	3.31
TX0023868	2/29/2020	001A	Solids, total suspended	0.98	1.6	2.03
TX0023868	3/31/2020	001A	Solids, total suspended	0.98	1.3	2.92
TX0023868	4/30/2020	001A	Solids, total suspended	0.98	2.1	2.77
TX0023868	5/31/2020	001A	Solids, total suspended	1.21	3.1	4.71
TX0023868	6/30/2020	001A	Solids, total suspended	0.8	1.1	2.76
TX0023868	7/31/2020	001A	Solids, total suspended	1.01	1.5	3.31

TX0023868	8/31/2020	001A	Solids, total suspended	1.65	2.3	4.81
TX0023868	9/30/2020	001A	Solids, total suspended	2.13	3.1	6.34
TX0023868	10/31/2020	001A	Solids, total suspended	1.17	2	3.12
TX0023868	11/30/2020	001A	Solids, total suspended	0.75	1.2	2.2
TX0023868	12/31/2020	001A	Solids, total suspended	1.47	4	4.16
TX0023868	1/31/2021	001A	Solids, total suspended	0.98	2.9	2.08
TX0023868	2/28/2021	001A	Solids, total suspended	1.19	1.9	4.27
TX0023868	3/31/2021	001A	Solids, total suspended	1.04	1.8	3.14
TX0023868	4/30/2021	001A	Solids, total suspended	1.28	1.8	3.28
TX0023868	5/31/2021	001A	Solids, total suspended	1.41	2.6	5.16
TX0023868	6/30/2021	001A	Solids, total suspended	0.98	1.6	3.01
TX0023868	7/31/2021	001A	Solids, total suspended	1.21	1.8	4.2
TX0023868	8/31/2021	001A	Solids, total suspended	0.95	1.4	2.76
TX0023868	9/30/2021	001A	Solids, total suspended	1.21	1.7	3.69
TX0023868	10/31/2021	001A	Solids, total suspended	1.19	2.1	6.64
TX0023868	11/30/2021	001A	Solids, total suspended	0.7	1.2	2.2
TX0023868	12/31/2021	001A	Solids, total suspended	1.48	2.3	4.33
TX0023868	1/31/2022	001A	Solids, total suspended	1.36	2.3	3.09
TX0023868	2/28/2022	001A	Solids, total suspended	1.23	2	4.31
TX0023868	3/31/2022	001A	Solids, total suspended	1.07	1.4	3.52
TX0023868	4/30/2022	001A	Solids, total suspended	1.04	1.3	3.26
TX0023868	5/31/2022	001A	Solids, total suspended	1.21	2	3.88
TX0023868	6/30/2022	001A	Solids, total suspended	0.81	1.4	2.79
TX0023868	7/31/2022	001A	Solids, total suspended	1.08	1.5	3.43
TX0023868	8/31/2022	001A	Solids, total suspended	0.86	1.3	3
TX0023868	9/30/2022	001A	Solids, total suspended	1.06	1.6	3.5
TX0023868	10/31/2022	001A	Solids, total suspended	1.21	2	3.75
TX0023868	11/30/2022	001A	Solids, total suspended	1.02	1.6	3.05
TX0023868	12/31/2022	001A	Solids, total suspended	1.03	2.3	3.2
TX0023868	1/31/2023	001A	Solids, total suspended	1.56	2.2	5.06
TX0023868	2/28/2023	001A	Solids, total suspended	1.36	2.1	5.12
TX0023868	3/31/2023	001A	Solids, total suspended	1.42	2.1	5.96
TX0023868	4/30/2023	001A	Solids, total suspended	1.43	2.4	5.21
TX0023868	5/31/2023	001A	Solids, total suspended	1.24	1.7	4.37
TX0023868	6/30/2023	001A	Solids, total suspended	1.29	2.2	4.46
TX0023868	7/31/2023	001A	Solids, total suspended	1.06	1.6	3.69
TX0023868	8/31/2023	001A	Solids, total suspended	1.24	1.9	4.37
TX0023868	9/30/2023	001A	Solids, total suspended	1.28	2.2	3.45
TX0023868	10/31/2023	001A	Solids, total suspended	1.55	2.7	5.46
TX0023868	11/30/2023	001A	Solids, total suspended	1.11	1.6	3.45
TX0023868	12/31/2023	001A	Solids, total suspended	1.58	2	3.76

TX0023868	1/31/2024	001A	Solids, total suspended	1.52	4	6.93
TX0023868	2/29/2024	001A	Solids, total suspended	1.36	1.8	4.39
TX0023868	3/31/2024	001A	Solids, total suspended	1.26	2.2	4.17
TX0023868	4/30/2024	001A	Solids, total suspended	1.55	2.1	5.01
TX0023868	5/31/2024	001A	Solids, total suspended	1.64	2.3	5.97
TX0023868	6/30/2024	001A	Solids, total suspended	1.11	2.2	4.18
TX0023868	7/31/2024	001A	Solids, total suspended	1.53	2.6	5.54
TX0023868	8/31/2024	001A	Solids, total suspended	0.98	1.5	3.52
TX0023868	9/30/2024	001A	Solids, total suspended	1.23	2.1	4.15
			2 YEAR AVERAGE	1.30	2.12	4.47
			5 YEAR AVERAGE	1.20	1.97	3.88

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure INST MAX (mg/L)
TX0023868	9/30/2019	001A	Chlorine, total residual	0.04
TX0023868	10/31/2019	001A	Chlorine, total residual	0.04
TX0023868	11/30/2019	001A	Chlorine, total residual	0.04
TX0023868	12/31/2019	001A	Chlorine, total residual	0.01
TX0023868	1/31/2020	001A	Chlorine, total residual	0.06
TX0023868	2/29/2020	001A	Chlorine, total residual	0.05
TX0023868	3/31/2020	001A	Chlorine, total residual	0.01
TX0023868	4/30/2020	001A	Chlorine, total residual	0.01
TX0023868	5/31/2020	001A	Chlorine, total residual	0.03
TX0023868	6/30/2020	001A	Chlorine, total residual	0.01
TX0023868	7/31/2020	001A	Chlorine, total residual	0.03
TX0023868	8/31/2020	001A	Chlorine, total residual	0.03
TX0023868	9/30/2020	001A	Chlorine, total residual	0.07
TX0023868	10/31/2020	001A	Chlorine, total residual	0.04
TX0023868	11/30/2020	001A	Chlorine, total residual	0.03
TX0023868	12/31/2020	001A	Chlorine, total residual	0.02
TX0023868	1/31/2021	001A	Chlorine, total residual	0.09
TX0023868	2/28/2021	001A	Chlorine, total residual	0.03
TX0023868	3/31/2021	001A	Chlorine, total residual	0.01
TX0023868	4/30/2021	001A	Chlorine, total residual	0.02
TX0023868	5/31/2021	001A	Chlorine, total residual	0.02
TX0023868	6/30/2021	001A	Chlorine, total residual	0.04
TX0023868	7/31/2021	001A	Chlorine, total residual	0.03
TX0023868	8/31/2021	001A	Chlorine, total residual	0.06
TX0023868	9/30/2021	001A	Chlorine, total residual	0.08
TX0023868	10/31/2021	001A	Chlorine, total residual	0.08

TX0023868	11/30/2021	001A	Chlorine, total residual	0.04
TX0023868	12/31/2021	001A	Chlorine, total residual	0.02
TX0023868	1/31/2022	001A	Chlorine, total residual	0.06
TX0023868	2/28/2022	001A	Chlorine, total residual	0.03
TX0023868	3/31/2022	001A	Chlorine, total residual	0.06
TX0023868	4/30/2022	001A	Chlorine, total residual	0.02
TX0023868	5/31/2022	001A	Chlorine, total residual	0.03
TX0023868	6/30/2022	001A	Chlorine, total residual	0.03
TX0023868	7/31/2022	001A	Chlorine, total residual	0.03
TX0023868	8/31/2022	001A	Chlorine, total residual	0.03
TX0023868	9/30/2022	001A	Chlorine, total residual	0.02
TX0023868	10/31/2022	001A	Chlorine, total residual	0.03
TX0023868	11/30/2022	001A	Chlorine, total residual	0.07
TX0023868	12/31/2022	001A	Chlorine, total residual	0.04
TX0023868	1/31/2023	001A	Chlorine, total residual	0.03
TX0023868	2/28/2023	001A	Chlorine, total residual	0.04
TX0023868	3/31/2023	001A	Chlorine, total residual	0.08
TX0023868	4/30/2023	001A	Chlorine, total residual	0.06
TX0023868	5/31/2023	001A	Chlorine, total residual	0.02
TX0023868	6/30/2023	001A	Chlorine, total residual	0.03
TX0023868	7/31/2023	001A	Chlorine, total residual	0.03
TX0023868	8/31/2023	001A	Chlorine, total residual	0.02
TX0023868	9/30/2023	001A	Chlorine, total residual	0.03
TX0023868	10/31/2023	001A	Chlorine, total residual	0.04
TX0023868	11/30/2023	001A	Chlorine, total residual	0.05
TX0023868	12/31/2023	001A	Chlorine, total residual	0.03
TX0023868	1/31/2024	001A	Chlorine, total residual	0.02
TX0023868	2/29/2024	001A	Chlorine, total residual	0.03
TX0023868	3/31/2024	001A	Chlorine, total residual	0.02
TX0023868	4/30/2024	001A	Chlorine, total residual	0.04
TX0023868	5/31/2024	001A	Chlorine, total residual	0.02
TX0023868	6/30/2024	001A	Chlorine, total residual	0.02
TX0023868	7/31/2024	001A	Chlorine, total residual	0.04
TX0023868	8/31/2024	001A	Chlorine, total residual	0.02
TX0023868	9/30/2024	001A	Chlorine, total residual	0.03
			2 YEAR AVERAGE	0.03
			5 YEAR AVERAGE	0.04

EPA ID				Reported Measure
	Monitoring Period	Outfall	Parameter	MO MIN (mg/L)

TX0023868	9/30/2019	001A	Chlorine, total residual	1.11
TX0023868	10/31/2019	001A	Chlorine, total residual	1.21
TX0023868	11/30/2019	001A	Chlorine, total residual	1.13
TX0023868	12/31/2019	001A	Chlorine, total residual	1.13
TX0023868	1/31/2020	001A	Chlorine, total residual	1.1
TX0023868	2/29/2020	001A	Chlorine, total residual	1.12
TX0023868	3/31/2020	001A	Chlorine, total residual	1.17
TX0023868	4/30/2020	001A	Chlorine, total residual	1.17
TX0023868	5/31/2020	001A	Chlorine, total residual	1.13
TX0023868	6/30/2020	001A	Chlorine, total residual	1.1
TX0023868	7/31/2020	001A	Chlorine, total residual	1.04
TX0023868	8/31/2020	001A	Chlorine, total residual	1.1
TX0023868	9/30/2020	001A	Chlorine, total residual	1.2
TX0023868	10/31/2020	001A	Chlorine, total residual	1.15
TX0023868	11/30/2020	001A	Chlorine, total residual	1.12
TX0023868	12/31/2020	001A	Chlorine, total residual	1.03
TX0023868	1/31/2021	001A	Chlorine, total residual	1.11
TX0023868	2/28/2021	001A	Chlorine, total residual	1.14
TX0023868	3/31/2021	001A	Chlorine, total residual	1.1
TX0023868	4/30/2021	001A	Chlorine, total residual	1.19
TX0023868	5/31/2021	001A	Chlorine, total residual	1.14
TX0023868	6/30/2021	001A	Chlorine, total residual	1.12
TX0023868	7/31/2021	001A	Chlorine, total residual	1.21
TX0023868	8/31/2021	001A	Chlorine, total residual	1.21
TX0023868	9/30/2021	001A	Chlorine, total residual	1.11
TX0023868	10/31/2021	001A	Chlorine, total residual	1.15
TX0023868	11/30/2021	001A	Chlorine, total residual	1.2
TX0023868	12/31/2021	001A	Chlorine, total residual	1.2
TX0023868	1/31/2022	001A	Chlorine, total residual	1.1
TX0023868	2/28/2022	001A	Chlorine, total residual	1.04
TX0023868	3/31/2022	001A	Chlorine, total residual	1.12
TX0023868	4/30/2022	001A	Chlorine, total residual	1.01
TX0023868	5/31/2022	001A	Chlorine, total residual	1.12
TX0023868	6/30/2022	001A	Chlorine, total residual	1.32
TX0023868	7/31/2022	001A	Chlorine, total residual	1.23
TX0023868	8/31/2022	001A	Chlorine, total residual	1.18
TX0023868	9/30/2022	001A	Chlorine, total residual	1.11
TX0023868	10/31/2022	001A	Chlorine, total residual	1.14
TX0023868	11/30/2022	001A	Chlorine, total residual	1.16
TX0023868	12/31/2022	001A	Chlorine, total residual	1.08
TX0023868	1/31/2023	001A	Chlorine, total residual	1.02

TX0023868	2/28/2023	001A	Chlorine, total residual	1.02
TX0023868	3/31/2023	001A	Chlorine, total residual	1.18
TX0023868	4/30/2023	001A	Chlorine, total residual	1.02
TX0023868	5/31/2023	001A	Chlorine, total residual	1.17
TX0023868	6/30/2023	001A	Chlorine, total residual	1.22
TX0023868	7/31/2023	001A	Chlorine, total residual	1.09
TX0023868	8/31/2023	001A	Chlorine, total residual	1.21
TX0023868	9/30/2023	001A	Chlorine, total residual	1.05
TX0023868	10/31/2023	001A	Chlorine, total residual	1.12
TX0023868	11/30/2023	001A	Chlorine, total residual	1.21
TX0023868	12/31/2023	001A	Chlorine, total residual	1.15
TX0023868	1/31/2024	001A	Chlorine, total residual	1.22
TX0023868	2/29/2024	001A	Chlorine, total residual	1.22
TX0023868	3/31/2024	001A	Chlorine, total residual	1.24
TX0023868	4/30/2024	001A	Chlorine, total residual	1.23
TX0023868	5/31/2024	001A	Chlorine, total residual	1.26
TX0023868	6/30/2024	001A	Chlorine, total residual	1.19
TX0023868	7/31/2024	001A	Chlorine, total residual	1.12
TX0023868	8/31/2024	001A	Chlorine, total residual	1.54
TX0023868	9/30/2024	001A	Chlorine, total residual	1.34
			2 YEAR AVERAGE	1.17
			5 YEAR AVERAGE	1.15

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure 2HR PEAK (gal/min)
TX0023868	9/30/2019	001A	Flow, in conduit or thru treatment plant	331.8
TX0023868	10/31/2019	001A	Flow, in conduit or thru treatment plant	1543
TX0023868	11/30/2019	001A	Flow, in conduit or thru treatment plant	347.2
TX0023868	12/31/2019	001A	Flow, in conduit or thru treatment plant	347.2
TX0023868	1/31/2020	001A	Flow, in conduit or thru treatment plant	347.2
TX0023868	2/29/2020	001A	Flow, in conduit or thru treatment plant	351.1
TX0023868	3/31/2020	001A	Flow, in conduit or thru treatment plant	694.4
TX0023868	4/30/2020	001A	Flow, in conduit or thru treatment plant	1424
TX0023868	5/31/2020	001A	Flow, in conduit or thru treatment plant	2272
TX0023868	6/30/2020	001A	Flow, in conduit or thru treatment plant	663.6
TX0023868	7/31/2020	001A	Flow, in conduit or thru treatment plant	416.7
TX0023868	8/31/2020	001A	Flow, in conduit or thru treatment plant	405.1
TX0023868	9/30/2020	001A	Flow, in conduit or thru treatment plant	2894
TX0023868	10/31/2020	001A	Flow, in conduit or thru treatment plant	362.7
TX0023868	11/30/2020	001A	Flow, in conduit or thru treatment plant	424.4

TX0023868	12/31/2020	001A	Flow, in conduit or thru treatment plant	1042
TX0023868	1/31/2021	001A	Flow, in conduit or thru treatment plant	381.9
TX0023868	2/28/2021	001A	Flow, in conduit or thru treatment plant	574.8
TX0023868	3/31/2021	001A	Flow, in conduit or thru treatment plant	347.2
TX0023868	4/30/2021	001A	Flow, in conduit or thru treatment plant	2569
TX0023868	5/31/2021	001A	Flow, in conduit or thru treatment plant	2859
TX0023868	6/30/2021	001A	Flow, in conduit or thru treatment plant	918.2
TX0023868	7/31/2021	001A	Flow, in conduit or thru treatment plant	1929
TX0023868	8/31/2021	001A	Flow, in conduit or thru treatment plant	358.8
TX0023868	9/30/2021	001A	Flow, in conduit or thru treatment plant	1844
TX0023868	10/31/2021	001A	Flow, in conduit or thru treatment plant	3067
TX0023868	11/30/2021	001A	Flow, in conduit or thru treatment plant	798.6
TX0023868	12/31/2021	001A	Flow, in conduit or thru treatment plant	351.1
TX0023868	1/31/2022	001A	Flow, in conduit or thru treatment plant	1327
TX0023868	2/28/2022	001A	Flow, in conduit or thru treatment plant	690.6
TX0023868	3/31/2022	001A	Flow, in conduit or thru treatment plant	2504
TX0023868	4/30/2022	001A	Flow, in conduit or thru treatment plant	347.2
TX0023868	5/31/2022	001A	Flow, in conduit or thru treatment plant	370.4
TX0023868	6/30/2022	001A	Flow, in conduit or thru treatment plant	416.7
TX0023868	7/31/2022	001A	Flow, in conduit or thru treatment plant	312.5
TX0023868	8/31/2022	001A	Flow, in conduit or thru treatment plant	646.6
TX0023868	9/30/2022	001A	Flow, in conduit or thru treatment plant	841
TX0023868	10/31/2022	001A	Flow, in conduit or thru treatment plant	347.2
TX0023868	11/30/2022	001A	Flow, in conduit or thru treatment plant	663.6
TX0023868	12/31/2022	001A	Flow, in conduit or thru treatment plant	2126
TX0023868	1/31/2023	001A	Flow, in conduit or thru treatment plant	837.2
TX0023868	2/28/2023	001A	Flow, in conduit or thru treatment plant	428.2
TX0023868	3/31/2023	001A	Flow, in conduit or thru treatment plant	555.6
TX0023868	4/30/2023	001A	Flow, in conduit or thru treatment plant	852.6
TX0023868	5/31/2023	001A	Flow, in conduit or thru treatment plant	1478
TX0023868	6/30/2023	001A	Flow, in conduit or thru treatment plant	547.8
TX0023868	7/31/2023	001A	Flow, in conduit or thru treatment plant	405.1
TX0023868	8/31/2023	001A	Flow, in conduit or thru treatment plant	351.1
TX0023868	9/30/2023	001A	Flow, in conduit or thru treatment plant	1076
TX0023868	10/31/2023	001A	Flow, in conduit or thru treatment plant	709.9
TX0023868	11/30/2023	001A	Flow, in conduit or thru treatment plant	366.5
TX0023868	12/31/2023	001A	Flow, in conduit or thru treatment plant	686.7
TX0023868	1/31/2024	001A	Flow, in conduit or thru treatment plant	1559
TX0023868	2/29/2024	001A	Flow, in conduit or thru treatment plant	1061
TX0023868	3/31/2024	001A	Flow, in conduit or thru treatment plant	432.1
TX0023868	4/30/2024	001A	Flow, in conduit or thru treatment plant	416.7

TX0023868	5/31/2024	001A	Flow, in conduit or thru treatment plant	1204
TX0023868	6/30/2024	001A	Flow, in conduit or thru treatment plant	694.4
TX0023868	7/31/2024	001A	Flow, in conduit or thru treatment plant	659.7
TX0023868	8/31/2024	001A	Flow, in conduit or thru treatment plant	370.4
TX0023868	9/30/2024	001A	Flow, in conduit or thru treatment plant	802.5
			2 YEAR AVERAGE	778.89
			5 YEAR AVERAGE	917.25

Enter Flow Limit Below in MGD: 1.10

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure ANNL AVG (MGD)	PERCENT OF LIMIT
TX0023868	9/30/2019	001A	Flow, in conduit or thru treatment plant	0.39	35.18%
TX0023868	10/31/2019	001A	Flow, in conduit or thru treatment plant	0.39	35.05%
TX0023868	11/30/2019	001A	Flow, in conduit or thru treatment plant	0.38	34.85%
TX0023868	12/31/2019	001A	Flow, in conduit or thru treatment plant	0.37	34.01%
TX0023868	1/31/2020	001A	Flow, in conduit or thru treatment plant	0.37	33.30%
TX0023868	2/29/2020	001A	Flow, in conduit or thru treatment plant	0.36	33.07%
TX0023868	3/31/2020	001A	Flow, in conduit or thru treatment plant	0.37	33.28%
TX0023868	4/30/2020	001A	Flow, in conduit or thru treatment plant	0.37	33.18%
TX0023868	5/31/2020	001A	Flow, in conduit or thru treatment plant	0.36	33.15%
TX0023868	6/30/2020	001A	Flow, in conduit or thru treatment plant	0.36	32.59%
TX0023868	7/31/2020	001A	Flow, in conduit or thru treatment plant	0.36	32.93%
TX0023868	8/31/2020	001A	Flow, in conduit or thru treatment plant	0.36	32.85%
TX0023868	9/30/2020	001A	Flow, in conduit or thru treatment plant	0.36	32.93%
TX0023868	10/31/2020	001A	Flow, in conduit or thru treatment plant	0.36	32.77%
TX0023868	11/30/2020	001A	Flow, in conduit or thru treatment plant	0.36	32.85%
TX0023868	12/31/2020	001A	Flow, in conduit or thru treatment plant	0.36	33.05%
TX0023868	1/31/2021	001A	Flow, in conduit or thru treatment plant	0.36	33.08%
TX0023868	2/28/2021	001A	Flow, in conduit or thru treatment plant	0.37	33.99%
TX0023868	3/31/2021	001A	Flow, in conduit or thru treatment plant	0.37	33.28%
TX0023868	4/30/2021	001A	Flow, in conduit or thru treatment plant	0.37	33.18%
TX0023868	5/31/2021	001A	Flow, in conduit or thru treatment plant	0.38	34.74%
TX0023868	6/30/2021	001A	Flow, in conduit or thru treatment plant	0.38	34.93%
TX0023868	7/31/2021	001A	Flow, in conduit or thru treatment plant	0.39	35.41%
TX0023868	8/31/2021	001A	Flow, in conduit or thru treatment plant	0.39	35.42%
TX0023868	9/30/2021	001A	Flow, in conduit or thru treatment plant	0.39	35.16%
TX0023868	10/31/2021	001A	Flow, in conduit or thru treatment plant	0.39	35.46%
TX0023868	11/30/2021	001A	Flow, in conduit or thru treatment plant	0.40	35.91%
TX0023868	12/31/2021	001A	Flow, in conduit or thru treatment plant	0.39	35.82%
TX0023868	1/31/2022	001A	Flow, in conduit or thru treatment plant	0.39	35.78%
TX0023868	2/28/2022	001A	Flow, in conduit or thru treatment plant	0.39	35.41%

TX0023868	3/31/2022	001A	Flow, in conduit or thru treatment plant	0.40	35.91%	
TX0023868	4/30/2022	001A	Flow, in conduit or thru treatment plant	0.40	35.94%	
TX0023868	5/31/2022	001A	Flow, in conduit or thru treatment plant	0.38	34.91%	
TX0023868	6/30/2022	001A	Flow, in conduit or thru treatment plant	0.39	35.02%	
TX0023868	7/31/2022	001A	Flow, in conduit or thru treatment plant	0.38	34.26%	
TX0023868	8/31/2022	001A	Flow, in conduit or thru treatment plant	0.38	34.52%	
TX0023868	9/30/2022	001A	Flow, in conduit or thru treatment plant	0.39	35.00%	
TX0023868	10/31/2022	001A	Flow, in conduit or thru treatment plant	0.38	34.78%	
TX0023868	11/30/2022	001A	Flow, in conduit or thru treatment plant	0.38	34.85%	
TX0023868	12/31/2022	001A	Flow, in conduit or thru treatment plant	0.39	35.54%	
TX0023868	1/31/2023	001A	Flow, in conduit or thru treatment plant	0.40	36.17%	
TX0023868	2/28/2023	001A	Flow, in conduit or thru treatment plant	0.40	36.32%	
TX0023868	3/31/2023	001A	Flow, in conduit or thru treatment plant	0.40	36.23%	
TX0023868	4/30/2023	001A	Flow, in conduit or thru treatment plant	0.40	36.45%	
TX0023868	5/31/2023	001A	Flow, in conduit or thru treatment plant	0.41	36.95%	
TX0023868	6/30/2023	001A	Flow, in conduit or thru treatment plant	0.41	37.05%	
TX0023868	7/31/2023	001A	Flow, in conduit or thru treatment plant	0.41	37.42%	
TX0023868	8/31/2023	001A	Flow, in conduit or thru treatment plant	0.41	37.61%	
TX0023868	9/30/2023	001A	Flow, in conduit or thru treatment plant	0.41	37.61%	
TX0023868	10/31/2023	001A	Flow, in conduit or thru treatment plant	0.42	37.82%	
TX0023868	11/30/2023	001A	Flow, in conduit or thru treatment plant	0.42	37.82%	
TX0023868	12/31/2023	001A	Flow, in conduit or thru treatment plant	0.41	37.43%	
TX0023868	1/31/2024	001A	Flow, in conduit or thru treatment plant	0.42	38.09%	
TX0023868	2/29/2024	001A	Flow, in conduit or thru treatment plant	0.42	38.03%	
TX0023868	3/31/2024	001A	Flow, in conduit or thru treatment plant	0.42	38.05%	
TX0023868	4/30/2024	001A	Flow, in conduit or thru treatment plant	0.42	37.89%	
TX0023868	5/31/2024	001A	Flow, in conduit or thru treatment plant	0.42	37.80%	
TX0023868	6/30/2024	001A	Flow, in conduit or thru treatment plant	0.42	37.98%	
TX0023868	7/31/2024	001A	Flow, in conduit or thru treatment plant	0.42	38.15%	
TX0023868	8/31/2024	001A	Flow, in conduit or thru treatment plant	0.42	38.21%	
TX0023868	9/30/2024	001A	Flow, in conduit or thru treatment plant	0.42	38.25%	75/90 Rule
			2 YEAR AVERAGE	0.41	75% Limit = 0.825	NO
			5 YEAR AVERAGE	0.39	90% Limit = 0.99	NO

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure VALUE (N=0;Y=1)
TX0023868	7/31/2020	SLDF	Compliance w/part 258 sludge requirement	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure ANNL TOT (DMT/y)
TX0023868	7/31/2020	SLDP	Annual amount of sludge land applied	0

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure ANNL TOT (DMT/y)
TX0023868	7/31/2020	SLDP	Annual amt of sludge incinerated	0

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure ANNL TOT (DMT/y)
TX0023868	7/31/2020	SLDP	Annual amt sludge disposed in landfill	0

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure ANNL TOT (DMT/y)
TX0023868	7/31/2020	SLDP	Annual amt. sludge disposed surface unit	0

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure ANNL TOT (DMT/y)
TX0023868	7/31/2020	SLDP	Annual amt sludge transported interstate	0

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure ANNL TOT (DMT/y)
TX0023868	7/31/2020	SLDP	Annual sludge production, total	112.33

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure ANNL MAX (mg/kg)
TX0023868	7/31/2020	SLDP	Polychlorinated biphenyls [PCBs]	NODI=9

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure MO AV MN (pass=0;fail=1)
TX0023868	7/31/2020	SLDP	Toxicity characteristic leaching procedure	NODI=9

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure ANNL TOT (DMT/y)
TX0023868	7/31/2020	SLDP	Ann. amt sludge disposed by other method	112.33

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				MX VALUE (met t/ha/yr)
TX0023868	7/31/2020	SLLA	Annual whole sludge application rate	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure	Reported Measure
				SINGSAMP (mg/kg)	MAXIMUM (mg/kg)	MX VALUE (lb/acr)
TX0023868	7/31/2020	SLLA	Arsenic, dry weight	NODI=C	NODI=C	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure	Reported Measure
				SINGSAMP (mg/kg)	MAXIMUM (mg/kg)	MX VALUE (lb/acr)
TX0023868	7/31/2020	SLLA	Cadmium, dry weight	NODI=C	NODI=C	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure	Reported Measure
				SINGSAMP (mg/kg)	MAXIMUM (mg/kg)	MX VALUE (lb/acr)
TX0023868	7/31/2020	SLLA	Chromium, sludge, total, dry weight [as Cr]	NODI=C	NODI=C	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure	Reported Measure
				SINGSAMP (mg/kg)	MAXIMUM (mg/kg)	MX VALUE (lb/acr)
TX0023868	7/31/2020	SLLA	Copper, dry weight	NODI=C	NODI=C	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure	Reported Measure
				SINGSAMP (mg/kg)	MAXIMUM (mg/kg)	MX VALUE (lb/acr)
TX0023868	7/31/2020	SLLA	Lead, sludge, total, dry weight [as Pb]	NODI=C	NODI=C	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure	Reported Measure
				SINGSAMP (mg/kg)	MAXIMUM (mg/kg)	MX VALUE (lb/acr)
TX0023868	7/31/2020	SLLA	Mercury, sludge, total, dry weight [as Hg]	NODI=C	NODI=C	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure	Reported Measure
				SINGSAMP (mg/kg)	MAXIMUM (mg/kg)	MX VALUE (lb/acr)
TX0023868	7/31/2020	SLLA	Molybdenum, sludge, total, dry weight [as Mo]	NODI=C	NODI=C	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure	Reported Measure
				SINGSAMP (mg/kg)	MAXIMUM (mg/kg)	MX VALUE (lb/acr)
TX0023868	7/31/2020	SLLA	Nickel, sludge, total, dry weight [as Ni]	NODI=C	NODI=C	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure SINGSAMP (mg/kg)	Reported Measure MAXIMUM (mg/kg)	Reported Measure MX VALUE (lb/acr)
TX0023868	7/31/2020	SLLA	Selenium, dry weight	NODI=C	NODI=C	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure SINGSAMP (mg/kg)	Reported Measure MAXIMUM (mg/kg)	Reported Measure MX VALUE (lb/acr)
TX0023868	7/31/2020	SLLA	Zinc, sludge, total, dry weight [as Zn]	NODI=C	NODI=C	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure VALUE (table #)
TX0023868	7/31/2020	SLLA	Pollutant table from 503.13	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure VALUE (alt #)
TX0023868	7/31/2020	SLLA	Description of pathogen option used	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure VALUE (alt #)
TX0023868	7/31/2020	SLLA	Vector attraction reduction alternative used	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure MX VALUE (state class)
TX0023868	7/31/2020	SLLA	Level of pathogen requirements achieved	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure MAXIMUM (MPN/g)
TX0023868	7/31/2020	SLLY	Fecal coliform	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure MAXIMUM (MPN/g)
TX0023868	7/31/2020	SLLY	Salmonella	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure ALLWCONC (mg/kg)	Reported Measure SINGSAMP (mg/kg)
TX0023868	7/31/2020	SLSA	Arsenic, dry weight	NODI=C	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure VALUE (acr)
TX0023868	7/31/2020	SLSA	Boundary areas	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure ALLWCONC (mg/kg)	Reported Measure SINGSAMP (mg/kg)
TX0023868	7/31/2020	SLSA	Chromium, sludge, total, dry weight [as Cr]	NODI=C	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure VALUE (alt #)
TX0023868	7/31/2020	SLSA	Description of pathogen option used	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure ALLWCONC (mg/kg)	Reported Measure SINGSAMP (mg/kg)
TX0023868	7/31/2020	SLSA	Nickel, total [as Ni]	NODI=C	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure MINIMUM (SU)
TX0023868	7/31/2020	SLSA	pH	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure VALUE (N=0;Y=1)
TX0023868	7/31/2020	SLSA	Unit w/liner/leachate collection system	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure VALUE (alt #)
TX0023868	7/31/2020	SLSA	Vector attraction reduction alternative used	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure SINGSAMP (state class)
TX0023868	7/31/2020	SLSA	Level of pathogen requirements achieved	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure 7 DA MIN (%)	Reported Measure MO AV MN (%)

TX0023868	9/30/2020	TX1Q	LOEC Lethal Survival Static Renewal 7 Day Chronic C	NODI=Q	NODI=Q
TX0023868	12/31/2020	TX1Q	LOEC Lethal Survival Static Renewal 7 Day Chronic C	NODI=Q	NODI=Q
TX0023868	3/31/2021	TX1Q	LOEC Lethal Survival Static Renewal 7 Day Chronic C	NODI=Q	NODI=Q
TX0023868	6/30/2021	TX1Q	LOEC Lethal Survival Static Renewal 7 Day Chronic C	NODI=Q	NODI=Q
TX0023868	9/30/2021	TX1Q	LOEC Lethal Survival Static Renewal 7 Day Chronic C	NODI=Q	NODI=Q
TX0023868	12/31/2021	TX1Q	LOEC Lethal Survival Static Renewal 7 Day Chronic C	NODI=Q	NODI=Q
TX0023868	3/31/2022	TX1Q	LOEC Lethal Survival Static Renewal 7 Day Chronic C	NODI=Q	NODI=Q
TX0023868	6/30/2022	TX1Q	LOEC Lethal Survival Static Renewal 7 Day Chronic C	NODI=Q	NODI=Q
TX0023868	9/30/2022	TX1Q	LOEC Lethal Survival Static Renewal 7 Day Chronic C	NODI=Q	NODI=Q
TX0023868	12/31/2022	TX1Q	LOEC Lethal Survival Static Renewal 7 Day Chronic C	NODI=Q	NODI=Q

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure 7 DA MIN (%)	Reported Measure MO AV MN (%)
TX0023868	9/30/2020	TX1Q	LOEC Lethal Survival Static Renewal 7 Day Chronic P	NODI=9	NODI=9
TX0023868	12/31/2020	TX1Q	LOEC Lethal Survival Static Renewal 7 Day Chronic P	NODI=Q	NODI=Q
TX0023868	3/31/2021	TX1Q	LOEC Lethal Survival Static Renewal 7 Day Chronic P	NODI=Q	NODI=Q
TX0023868	6/30/2021	TX1Q	LOEC Lethal Survival Static Renewal 7 Day Chronic P	NODI=Q	NODI=Q
TX0023868	9/30/2021	TX1Q	LOEC Lethal Survival Static Renewal 7 Day Chronic P	NODI=Q	NODI=Q
TX0023868	12/31/2021	TX1Q	LOEC Lethal Survival Static Renewal 7 Day Chronic P	NODI=Q	NODI=Q
TX0023868	3/31/2022	TX1Q	LOEC Lethal Survival Static Renewal 7 Day Chronic P	NODI=Q	NODI=Q
TX0023868	6/30/2022	TX1Q	LOEC Lethal Survival Static Renewal 7 Day Chronic P	NODI=Q	NODI=Q
TX0023868	9/30/2022	TX1Q	LOEC Lethal Survival Static Renewal 7 Day Chronic P	NODI=Q	NODI=Q
TX0023868	12/31/2022	TX1Q	LOEC Lethal Survival Static Renewal 7 Day Chronic P	NODI=Q	NODI=Q

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure 7 DA MIN (%)	Reported Measure MO AV MN (%)
TX0023868	9/30/2020	TX1Q	LOEC Sub-Lethal Reproduction Static Renewal 7 Day	NODI=Q	NODI=Q
TX0023868	12/31/2020	TX1Q	LOEC Sub-Lethal Reproduction Static Renewal 7 Day	NODI=Q	NODI=Q
TX0023868	3/31/2021	TX1Q	LOEC Sub-Lethal Reproduction Static Renewal 7 Day	NODI=Q	NODI=Q
TX0023868	6/30/2021	TX1Q	LOEC Sub-Lethal Reproduction Static Renewal 7 Day	NODI=Q	NODI=Q
TX0023868	9/30/2021	TX1Q	LOEC Sub-Lethal Reproduction Static Renewal 7 Day	NODI=Q	NODI=Q
TX0023868	12/31/2021	TX1Q	LOEC Sub-Lethal Reproduction Static Renewal 7 Day	NODI=Q	NODI=Q
TX0023868	3/31/2022	TX1Q	LOEC Sub-Lethal Reproduction Static Renewal 7 Day	NODI=Q	NODI=Q
TX0023868	6/30/2022	TX1Q	LOEC Sub-Lethal Reproduction Static Renewal 7 Day	NODI=Q	NODI=Q
TX0023868	9/30/2022	TX1Q	LOEC Sub-Lethal Reproduction Static Renewal 7 Day	NODI=Q	NODI=Q
TX0023868	12/31/2022	TX1Q	LOEC Sub-Lethal Reproduction Static Renewal 7 Day	NODI=Q	NODI=Q

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure 7 DA MIN (%)	Reported Measure MO AV MN (%)
TX0023868	9/30/2020	TX1Q	LOEC Sub-Lethal Reproduction Static Renewal 7 Day	NODI=9	NODI=9

TX0023868	12/31/2020	TX1Q	LOEC Sub-Lethal Reproduction Static Renewal 7 Day	NODI=Q	NODI=Q
TX0023868	3/31/2021	TX1Q	LOEC Sub-Lethal Reproduction Static Renewal 7 Day	NODI=Q	NODI=Q
TX0023868	6/30/2021	TX1Q	LOEC Sub-Lethal Reproduction Static Renewal 7 Day	NODI=Q	NODI=Q
TX0023868	9/30/2021	TX1Q	LOEC Sub-Lethal Reproduction Static Renewal 7 Day	NODI=Q	NODI=Q
TX0023868	12/31/2021	TX1Q	LOEC Sub-Lethal Reproduction Static Renewal 7 Day	NODI=Q	NODI=Q
TX0023868	3/31/2022	TX1Q	LOEC Sub-Lethal Reproduction Static Renewal 7 Day	NODI=Q	NODI=Q
TX0023868	6/30/2022	TX1Q	LOEC Sub-Lethal Reproduction Static Renewal 7 Day	NODI=Q	NODI=Q
TX0023868	9/30/2022	TX1Q	LOEC Sub-Lethal Reproduction Static Renewal 7 Day	NODI=Q	NODI=Q
TX0023868	12/31/2022	TX1Q	LOEC Sub-Lethal Reproduction Static Renewal 7 Day	NODI=Q	NODI=Q

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure 7 DA MIN (pass=0;fail=	Reported Measure MO AV MN (pass=0;fail=1)
TX0023868	9/30/2020	TX1Q	Low Flow Pass/Fail Survival Test Static Renewal 7 Da	0	0
TX0023868	12/31/2020	TX1Q	Low Flow Pass/Fail Survival Test Static Renewal 7 Da	0	0
TX0023868	3/31/2021	TX1Q	Low Flow Pass/Fail Survival Test Static Renewal 7 Da	0	0
TX0023868	6/30/2021	TX1Q	Low Flow Pass/Fail Survival Test Static Renewal 7 Da	0	0
TX0023868	9/30/2021	TX1Q	Low Flow Pass/Fail Survival Test Static Renewal 7 Da	0	0
TX0023868	12/31/2021	TX1Q	Low Flow Pass/Fail Survival Test Static Renewal 7 Da	0	0
TX0023868	3/31/2022	TX1Q	Low Flow Pass/Fail Survival Test Static Renewal 7 Da	0	0
TX0023868	6/30/2022	TX1Q	Low Flow Pass/Fail Survival Test Static Renewal 7 Da	0	0
TX0023868	9/30/2022	TX1Q	Low Flow Pass/Fail Survival Test Static Renewal 7 Da	0	0
TX0023868	12/31/2022	TX1Q	Low Flow Pass/Fail Survival Test Static Renewal 7 Da	0	0

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure 7 DA MIN (pass=0;fail=	Reported Measure MO AV MN (pass=0;fail=1)
TX0023868	9/30/2020	TX1Q	Low Flow Pass/Fail Survival Test Static Renewal 7 Da	NODI=9	NODI=9
TX0023868	12/31/2020	TX1Q	Low Flow Pass/Fail Survival Test Static Renewal 7 Da	0	0
TX0023868	3/31/2021	TX1Q	Low Flow Pass/Fail Survival Test Static Renewal 7 Da	0	0
TX0023868	6/30/2021	TX1Q	Low Flow Pass/Fail Survival Test Static Renewal 7 Da	0	0
TX0023868	9/30/2021	TX1Q	Low Flow Pass/Fail Survival Test Static Renewal 7 Da	0	0
TX0023868	12/31/2021	TX1Q	Low Flow Pass/Fail Survival Test Static Renewal 7 Da	0	0
TX0023868	3/31/2022	TX1Q	Low Flow Pass/Fail Survival Test Static Renewal 7 Da	0	0
TX0023868	6/30/2022	TX1Q	Low Flow Pass/Fail Survival Test Static Renewal 7 Da	0	0
TX0023868	9/30/2022	TX1Q	Low Flow Pass/Fail Survival Test Static Renewal 7 Da	0	0
TX0023868	12/31/2022	TX1Q	Low Flow Pass/Fail Survival Test Static Renewal 7 Da	0	0

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure 7 DA MIN (%)	Reported Measure MO AV MN (%)
TX0023868	9/30/2020	TX1Q	NOEC Lethal Static Renewal 7 Day Chronic Ceriodaph	95	95
TX0023868	12/31/2020	TX1Q	NOEC Lethal Static Renewal 7 Day Chronic Ceriodaph	81	81

TX0023868	3/31/2021	TX1Q	NOEC Lethal Static Renewal 7 Day Chronic Ceriodaph	81	81
TX0023868	6/30/2021	TX1Q	NOEC Lethal Static Renewal 7 Day Chronic Ceriodaph	81	81
TX0023868	9/30/2021	TX1Q	NOEC Lethal Static Renewal 7 Day Chronic Ceriodaph	81	81
TX0023868	12/31/2021	TX1Q	NOEC Lethal Static Renewal 7 Day Chronic Ceriodaph	81	81
TX0023868	3/31/2022	TX1Q	NOEC Lethal Static Renewal 7 Day Chronic Ceriodaph	81	81
TX0023868	6/30/2022	TX1Q	NOEC Lethal Static Renewal 7 Day Chronic Ceriodaph	81	81
TX0023868	9/30/2022	TX1Q	NOEC Lethal Static Renewal 7 Day Chronic Ceriodaph	81	81
TX0023868	12/31/2022	TX1Q	NOEC Lethal Static Renewal 7 Day Chronic Ceriodaph	81	81

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure 7 DA MIN (%)	Reported Measure MO AV MN (%)
TX0023868	9/30/2020	TX1Q	NOEC Lethal Static Renewal 7 Day Chronic Pimephal	NODI=9	NODI=9
TX0023868	12/31/2020	TX1Q	NOEC Lethal Static Renewal 7 Day Chronic Pimephal	81	81
TX0023868	3/31/2021	TX1Q	NOEC Lethal Static Renewal 7 Day Chronic Pimephal	81	81
TX0023868	6/30/2021	TX1Q	NOEC Lethal Static Renewal 7 Day Chronic Pimephal	81	81
TX0023868	9/30/2021	TX1Q	NOEC Lethal Static Renewal 7 Day Chronic Pimephal	81	81
TX0023868	12/31/2021	TX1Q	NOEC Lethal Static Renewal 7 Day Chronic Pimephal	81	81
TX0023868	3/31/2022	TX1Q	NOEC Lethal Static Renewal 7 Day Chronic Pimephal	81	81
TX0023868	6/30/2022	TX1Q	NOEC Lethal Static Renewal 7 Day Chronic Pimephal	81	81
TX0023868	9/30/2022	TX1Q	NOEC Lethal Static Renewal 7 Day Chronic Pimephal	81	81
TX0023868	12/31/2022	TX1Q	NOEC Lethal Static Renewal 7 Day Chronic Pimephal	81	81

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure 7 DA AVG (%)	Reported Measure MO AV MN (%)
TX0023868	9/30/2020	TX1Q	NOEC Sub-Lethal Static Renewal 7 Day Chronic Ceric	95	95
TX0023868	12/31/2020	TX1Q	NOEC Sub-Lethal Static Renewal 7 Day Chronic Ceric	81	81
TX0023868	3/31/2021	TX1Q	NOEC Sub-Lethal Static Renewal 7 Day Chronic Ceric	81	81
TX0023868	6/30/2021	TX1Q	NOEC Sub-Lethal Static Renewal 7 Day Chronic Ceric	81	81
TX0023868	9/30/2021	TX1Q	NOEC Sub-Lethal Static Renewal 7 Day Chronic Ceric	81	81
TX0023868	12/31/2021	TX1Q	NOEC Sub-Lethal Static Renewal 7 Day Chronic Ceric	81	81
TX0023868	3/31/2022	TX1Q	NOEC Sub-Lethal Static Renewal 7 Day Chronic Ceric	81	81
TX0023868	6/30/2022	TX1Q	NOEC Sub-Lethal Static Renewal 7 Day Chronic Ceric	81	81
TX0023868	9/30/2022	TX1Q	NOEC Sub-Lethal Static Renewal 7 Day Chronic Ceric	81	81
TX0023868	12/31/2022	TX1Q	NOEC Sub-Lethal Static Renewal 7 Day Chronic Ceric	81	81

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure 7 DA MIN (%)	Reported Measure MO AV MN (%)
TX0023868	9/30/2020	TX1Q	NOEC Sub-Lethal Static Renewal 7 Day Chronic Pime	NODI=9	NODI=9
TX0023868	12/31/2020	TX1Q	NOEC Sub-Lethal Static Renewal 7 Day Chronic Pime	81	81
TX0023868	3/31/2021	TX1Q	NOEC Sub-Lethal Static Renewal 7 Day Chronic Pime	81	81

TX0023868	6/30/2021	TX1Q	NOEC Sub-Lethal Static Renewal 7 Day Chronic Pime	81	81
TX0023868	9/30/2021	TX1Q	NOEC Sub-Lethal Static Renewal 7 Day Chronic Pime	81	81
TX0023868	12/31/2021	TX1Q	NOEC Sub-Lethal Static Renewal 7 Day Chronic Pime	81	81
TX0023868	3/31/2022	TX1Q	NOEC Sub-Lethal Static Renewal 7 Day Chronic Pime	81	81
TX0023868	6/30/2022	TX1Q	NOEC Sub-Lethal Static Renewal 7 Day Chronic Pime	81	81
TX0023868	9/30/2022	TX1Q	NOEC Sub-Lethal Static Renewal 7 Day Chronic Pime	81	81
TX0023868	12/31/2022	TX1Q	NOEC Sub-Lethal Static Renewal 7 Day Chronic Pime	81	81

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure 7 DA MIN (pass=0;fail=	Reported Measure MO AV MN (pass=0;fail=1)
TX0023868	9/30/2020	TX1Q	Pass/Fail Sub-Lethal Static Renewal 7 Day Chronic Ce	0	0
TX0023868	12/31/2020	TX1Q	Pass/Fail Sub-Lethal Static Renewal 7 Day Chronic Ce	0	0
TX0023868	3/31/2021	TX1Q	Pass/Fail Sub-Lethal Static Renewal 7 Day Chronic Ce	0	0
TX0023868	6/30/2021	TX1Q	Pass/Fail Sub-Lethal Static Renewal 7 Day Chronic Ce	0	0
TX0023868	9/30/2021	TX1Q	Pass/Fail Sub-Lethal Static Renewal 7 Day Chronic Ce	0	0
TX0023868	12/31/2021	TX1Q	Pass/Fail Sub-Lethal Static Renewal 7 Day Chronic Ce	0	0
TX0023868	3/31/2022	TX1Q	Pass/Fail Sub-Lethal Static Renewal 7 Day Chronic Ce	0	0
TX0023868	6/30/2022	TX1Q	Pass/Fail Sub-Lethal Static Renewal 7 Day Chronic Ce	0	0
TX0023868	9/30/2022	TX1Q	Pass/Fail Sub-Lethal Static Renewal 7 Day Chronic Ce	0	0
TX0023868	12/31/2022	TX1Q	Pass/Fail Sub-Lethal Static Renewal 7 Day Chronic Ce	0	0

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure 7 DA MIN (pass=0;fail=	Reported Measure MO AV MN (pass=0;fail=1)
TX0023868	9/30/2020	TX1Q	Pass/Fail Sub-Lethal Static Renewal 7 Day Chronic Pi	NODI=9	NODI=9
TX0023868	12/31/2020	TX1Q	Pass/Fail Sub-Lethal Static Renewal 7 Day Chronic Pi	0	0
TX0023868	3/31/2021	TX1Q	Pass/Fail Sub-Lethal Static Renewal 7 Day Chronic Pi	0	0
TX0023868	6/30/2021	TX1Q	Pass/Fail Sub-Lethal Static Renewal 7 Day Chronic Pi	0	0
TX0023868	9/30/2021	TX1Q	Pass/Fail Sub-Lethal Static Renewal 7 Day Chronic Pi	0	0
TX0023868	12/31/2021	TX1Q	Pass/Fail Sub-Lethal Static Renewal 7 Day Chronic Pi	0	0
TX0023868	3/31/2022	TX1Q	Pass/Fail Sub-Lethal Static Renewal 7 Day Chronic Pi	0	0
TX0023868	6/30/2022	TX1Q	Pass/Fail Sub-Lethal Static Renewal 7 Day Chronic Pi	0	0
TX0023868	9/30/2022	TX1Q	Pass/Fail Sub-Lethal Static Renewal 7 Day Chronic Pi	0	0
TX0023868	12/31/2022	TX1Q	Pass/Fail Sub-Lethal Static Renewal 7 Day Chronic Pi	0	0

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure 7 DA MIN (pass=0;fail=	Reported Measure MO AV MN (pass=0;fail=1)
TX0023868	9/30/2020	TX1Q	Whole effluent toxicity - retest #1	NODI=9	NODI=9
TX0023868	12/31/2020	TX1Q	Whole effluent toxicity - retest #1	Not Received	Not Received
TX0023868	3/31/2021	TX1Q	Whole effluent toxicity - retest #1	NODI=9	NODI=9

TX0023868	6/30/2021	TX1Q	Whole effluent toxicity - retest #1	NODI=9	NODI=9
TX0023868	9/30/2021	TX1Q	Whole effluent toxicity - retest #1	NODI=9	NODI=9
TX0023868	12/31/2021	TX1Q	Whole effluent toxicity - retest #1	NODI=9	NODI=9
TX0023868	3/31/2022	TX1Q	Whole effluent toxicity - retest #1	NODI=9	NODI=9
TX0023868	6/30/2022	TX1Q	Whole effluent toxicity - retest #1	NODI=9	NODI=9
TX0023868	9/30/2022	TX1Q	Whole effluent toxicity - retest #1	NODI=9	NODI=9
TX0023868	12/31/2022	TX1Q	Whole effluent toxicity - retest #1	NODI=9	NODI=9

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure 7 DA MIN (pass=0;fail=	Reported Measure MO AV MN (pass=0;fail=1)
TX0023868	9/30/2020	TX1Q	Whole effluent toxicity - retest #2	NODI=9	NODI=9
TX0023868	12/31/2020	TX1Q	Whole effluent toxicity - retest #2	Not Received	Not Received
TX0023868	3/31/2021	TX1Q	Whole effluent toxicity - retest #2	NODI=9	NODI=9
TX0023868	6/30/2021	TX1Q	Whole effluent toxicity - retest #2	NODI=9	NODI=9
TX0023868	9/30/2021	TX1Q	Whole effluent toxicity - retest #2	NODI=9	NODI=9
TX0023868	12/31/2021	TX1Q	Whole effluent toxicity - retest #2	NODI=9	NODI=9
TX0023868	3/31/2022	TX1Q	Whole effluent toxicity - retest #2	NODI=9	NODI=9
TX0023868	6/30/2022	TX1Q	Whole effluent toxicity - retest #2	NODI=9	NODI=9
TX0023868	9/30/2022	TX1Q	Whole effluent toxicity - retest #2	NODI=9	NODI=9
TX0023868	12/31/2022	TX1Q	Whole effluent toxicity - retest #2	NODI=9	NODI=9

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure 7 DA AVG (%)	Reported Measure 7 DA MIN (%)	Reported Measure MO AV MN (%)
TX0023868	12/31/2019	TX1S	LOEC Lethal Survival Static Renewal 7 Day Chronic C	NODI=Q	Not Received	NODI=Q
TX0023868	6/30/2023	TX1S	LOEC Lethal Survival Static Renewal 7 Day Chronic C	Not Received	NODI=Q	NODI=Q
TX0023868	12/31/2023	TX1S	LOEC Lethal Survival Static Renewal 7 Day Chronic C	Not Received	NODI=Q	NODI=Q
TX0023868	6/30/2024	TX1S	LOEC Lethal Survival Static Renewal 7 Day Chronic C	Not Received	NODI=Q	NODI=Q

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure 7 DA AVG (%)	Reported Measure 7 DA MIN (%)	Reported Measure MO AV MN (%)
TX0023868	12/31/2019	TX1S	LOEC Sub-Lethal Reproduction Static Renewal 7 Day	NODI=Q	Not Received	NODI=Q
TX0023868	6/30/2023	TX1S	LOEC Sub-Lethal Reproduction Static Renewal 7 Day	Not Received	NODI=Q	NODI=Q
TX0023868	12/31/2023	TX1S	LOEC Sub-Lethal Reproduction Static Renewal 7 Day	Not Received	NODI=Q	NODI=Q
TX0023868	6/30/2024	TX1S	LOEC Sub-Lethal Reproduction Static Renewal 7 Day	Not Received	NODI=Q	NODI=Q

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure 7 DA AVG (pass=0;fail	Reported Measure 7 DA MIN (pass=0;fail=	Reported Measure MO AV MN (pass=0;fail=1)
TX0023868	12/31/2019	TX1S	Low Flow Pass/Fail Survival Test Static Renewal 7 Da	NODI=Q	Not Received	NODI=Q
TX0023868	6/30/2023	TX1S	Low Flow Pass/Fail Survival Test Static Renewal 7 Da	Not Received	0	0

TX0023868	12/31/2023	TX1S	Low Flow Pass/Fail Survival Test Static Renewal 7 Da	Not Received	0	0
TX0023868	6/30/2024	TX1S	Low Flow Pass/Fail Survival Test Static Renewal 7 Da	Not Received	0	0

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure 7 DA AVG (%)	Reported Measure 7 DA MIN (%)	Reported Measure MO AV MN (%)
TX0023868	12/31/2019	TX1S	NOEC Lethal Static Renewal 7 Day Chronic Ceriodaph	95	Not Received	95
TX0023868	6/30/2023	TX1S	NOEC Lethal Static Renewal 7 Day Chronic Ceriodaph	Not Received	81	81
TX0023868	12/31/2023	TX1S	NOEC Lethal Static Renewal 7 Day Chronic Ceriodaph	Not Received	81	81
TX0023868	6/30/2024	TX1S	NOEC Lethal Static Renewal 7 Day Chronic Ceriodaph	Not Received	81	81

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure 7 DA MIN (%)	Reported Measure MO AV MN (%)
TX0023868	12/31/2019	TX1S	NOEC Sub-Lethal Static Renewal 7 Day Chronic Ceric	95	95
TX0023868	6/30/2023	TX1S	NOEC Sub-Lethal Static Renewal 7 Day Chronic Ceric	81	81
TX0023868	12/31/2023	TX1S	NOEC Sub-Lethal Static Renewal 7 Day Chronic Ceric	81	81
TX0023868	6/30/2024	TX1S	NOEC Sub-Lethal Static Renewal 7 Day Chronic Ceric	81	81

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure 7 DA AVG (pass=0;fail	Reported Measure 7 DA MIN (pass=0;fail=	Reported Measure MO AV MN (pass=0;fail=1)
TX0023868	12/31/2019	TX1S	Pass/Fail Sub-Lethal Static Renewal 7 Day Chronic Ce	0	Not Received	0
TX0023868	6/30/2023	TX1S	Pass/Fail Sub-Lethal Static Renewal 7 Day Chronic Ce	Not Received	0	0
TX0023868	12/31/2023	TX1S	Pass/Fail Sub-Lethal Static Renewal 7 Day Chronic Ce	Not Received	0	0
TX0023868	6/30/2024	TX1S	Pass/Fail Sub-Lethal Static Renewal 7 Day Chronic Ce	Not Received	0	0

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure 7 DA AVG (pass=0;fail	Reported Measure 7 DA MIN (pass=0;fail=	Reported Measure MO AV MN (pass=0;fail=1)
TX0023868	12/31/2019	TX1S	Whole effluent toxicity - retest #1	NODI=9	Not Received	NODI=9
TX0023868	6/30/2023	TX1S	Whole effluent toxicity - retest #1	Not Received	NODI=9	NODI=9
TX0023868	12/31/2023	TX1S	Whole effluent toxicity - retest #1	Not Received	NODI=Q	NODI=Q
TX0023868	6/30/2024	TX1S	Whole effluent toxicity - retest #1	Not Received	Not Received	Not Received

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure 7 DA AVG (pass=0;fail	Reported Measure 7 DA MIN (pass=0;fail=	Reported Measure MO AV MN (pass=0;fail=1)
TX0023868	12/31/2019	TX1S	Whole effluent toxicity - retest #2	NODI=9	Not Received	NODI=9
TX0023868	6/30/2023	TX1S	Whole effluent toxicity - retest #2	Not Received	NODI=9	NODI=9
TX0023868	12/31/2023	TX1S	Whole effluent toxicity - retest #2	Not Received	NODI=Q	NODI=Q
TX0023868	6/30/2024	TX1S	Whole effluent toxicity - retest #2	Not Received	Not Received	Not Received

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure 7 DA AVG (%)	Reported Measure 7 DA MIN (%)	Reported Measure MO AV MN (%)
TX0023868	12/31/2019	TX1Y	LOEC Lethal Survival Static Renewal 7 Day Chronic P	NODI=Q	Not Received	NODI=Q
TX0023868	12/31/2023	TX1Y	LOEC Lethal Survival Static Renewal 7 Day Chronic P	Not Received	NODI=Q	NODI=Q

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure 7 DA AVG (%)	Reported Measure 7 DA MIN (%)	Reported Measure MO AV MN (%)
TX0023868	12/31/2019	TX1Y	LOEC Sub-Lethal Reproduction Static Renewal 7 Day	NODI=Q	Not Received	NODI=Q
TX0023868	12/31/2023	TX1Y	LOEC Sub-Lethal Reproduction Static Renewal 7 Day	Not Received	NODI=Q	NODI=Q

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure 7 DA AVG (pass=0;fail	Reported Measure 7 DA MIN (pass=0;fail=	Reported Measure MO AV MN (pass=0;fail=1)
TX0023868	12/31/2019	TX1Y	Low Flow Pass/Fail Survival Test Static Renewal 7 Da	0	Not Received	0
TX0023868	12/31/2023	TX1Y	Low Flow Pass/Fail Survival Test Static Renewal 7 Da	Not Received	0	0

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure 7 DA AVG (%)	Reported Measure 7 DA MIN (%)	Reported Measure MO AV MN (%)
TX0023868	12/31/2019	TX1Y	NOEC Lethal Static Renewal 7 Day Chronic Pimephal	95	Not Received	95
TX0023868	12/31/2023	TX1Y	NOEC Lethal Static Renewal 7 Day Chronic Pimephal	Not Received	81	81

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure 7 DA AVG (%)	Reported Measure 7 DA MIN (%)	Reported Measure MO AV MN (%)
TX0023868	12/31/2019	TX1Y	NOEC Sub-Lethal Static Renewal 7 Day Chronic Pime	95	Not Received	95
TX0023868	12/31/2023	TX1Y	NOEC Sub-Lethal Static Renewal 7 Day Chronic Pime	Not Received	81	81

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure 7 DA AVG (pass=0;fail	Reported Measure 7 DA MIN (pass=0;fail=	Reported Measure MO AV MN (pass=0;fail=1)
TX0023868	12/31/2019	TX1Y	Pass/Fail Sub-Lethal Static Renewal 7 Day Chronic Pi	0	Not Received	0
TX0023868	12/31/2023	TX1Y	Pass/Fail Sub-Lethal Static Renewal 7 Day Chronic Pi	Not Received	0	0

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure 7 DA AVG (pass=0;fail	Reported Measure 7 DA MIN (pass=0;fail=	Reported Measure MO AV MN (pass=0;fail=1)
TX0023868	12/31/2019	TX1Y	Whole effluent toxicity - retest #1	NODI=9	Not Received	NODI=9
TX0023868	12/31/2023	TX1Y	Whole effluent toxicity - retest #1	Not Received	NODI=Q	NODI=Q

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure 7 DA AVG (pass=0;fail	Reported Measure 7 DA MIN (pass=0;fail=	Reported Measure MO AV MN (pass=0;fail=1)
TX0023868	12/31/2019	TX1Y	Whole effluent toxicity - retest #2	NODI=9	Not Received	NODI=9
TX0023868	12/31/2023	TX1Y	Whole effluent toxicity - retest #2	Not Received	NODI=Q	NODI=Q

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure SINGSAMP (pass=0;fail=1)
TX0023868	12/31/2019	TXAS	LC50 Pass/Fail Static 24Hr Acute D. Pulex	0
TX0023868	12/31/2020	TXAS	LC50 Pass/Fail Static 24Hr Acute D. Pulex	0
TX0023868	6/30/2021	TXAS	LC50 Pass/Fail Static 24Hr Acute D. Pulex	NODI=9
TX0023868	12/31/2021	TXAS	LC50 Pass/Fail Static 24Hr Acute D. Pulex	NODI=9
TX0023868	6/30/2022	TXAS	LC50 Pass/Fail Static 24Hr Acute D. Pulex	NODI=9
TX0023868	12/31/2022	TXAS	LC50 Pass/Fail Static 24Hr Acute D. Pulex	0
TX0023868	6/30/2023	TXAS	LC50 Pass/Fail Static 24Hr Acute D. Pulex	0
TX0023868	12/31/2023	TXAS	LC50 Pass/Fail Static 24Hr Acute D. Pulex	0
TX0023868	6/30/2024	TXAS	LC50 Pass/Fail Static 24Hr Acute D. Pulex	0

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure SINGSAMP (pass=0;fail=1)
TX0023868	12/31/2019	TXAS	LC50 Pass/Fail Static 24Hr Acute Pimephales promela	0
TX0023868	12/31/2020	TXAS	LC50 Pass/Fail Static 24Hr Acute Pimephales promela	0
TX0023868	6/30/2021	TXAS	LC50 Pass/Fail Static 24Hr Acute Pimephales promela	NODI=9
TX0023868	12/31/2021	TXAS	LC50 Pass/Fail Static 24Hr Acute Pimephales promela	NODI=9
TX0023868	6/30/2022	TXAS	LC50 Pass/Fail Static 24Hr Acute Pimephales promela	NODI=9
TX0023868	12/31/2022	TXAS	LC50 Pass/Fail Static 24Hr Acute Pimephales promela	0
TX0023868	6/30/2023	TXAS	LC50 Pass/Fail Static 24Hr Acute Pimephales promela	0
TX0023868	12/31/2023	TXAS	LC50 Pass/Fail Static 24Hr Acute Pimephales promela	0
TX0023868	6/30/2024	TXAS	LC50 Pass/Fail Static 24Hr Acute Pimephales promela	0

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure 7 DA MIN (pass=0;fail=	Reported Measure MO AV MN (pass=0;fail=1)
TX0023868	12/31/2019	TXAS	Whole effluent toxicity - retest #1	NODI=9	NODI=9
TX0023868	12/31/2020	TXAS	Whole effluent toxicity - retest #1	Not Received	Not Received
TX0023868	6/30/2021	TXAS	Whole effluent toxicity - retest #1	NODI=9	NODI=9
TX0023868	12/31/2021	TXAS	Whole effluent toxicity - retest #1	NODI=9	NODI=9
TX0023868	6/30/2022	TXAS	Whole effluent toxicity - retest #1	NODI=9	NODI=9

TX0023868	12/31/2022	TXAS	Whole effluent toxicity - retest #1	NODI=9	NODI=9
TX0023868	6/30/2023	TXAS	Whole effluent toxicity - retest #1	NODI=9	NODI=9
TX0023868	12/31/2023	TXAS	Whole effluent toxicity - retest #1	NODI=Q	NODI=Q
TX0023868	6/30/2024	TXAS	Whole effluent toxicity - retest #1	NODI=Q	NODI=Q

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure 7 DA MIN (pass=0;fail=	Reported Measure MO AV MN (pass=0;fail=1)
TX0023868	12/31/2019	TXAS	Whole effluent toxicity - retest #2	NODI=9	NODI=9
TX0023868	12/31/2020	TXAS	Whole effluent toxicity - retest #2	Not Received	Not Received
TX0023868	6/30/2021	TXAS	Whole effluent toxicity - retest #2	NODI=9	NODI=9
TX0023868	12/31/2021	TXAS	Whole effluent toxicity - retest #2	NODI=9	NODI=9
TX0023868	6/30/2022	TXAS	Whole effluent toxicity - retest #2	NODI=9	NODI=9
TX0023868	12/31/2022	TXAS	Whole effluent toxicity - retest #2	NODI=9	NODI=9
TX0023868	6/30/2023	TXAS	Whole effluent toxicity - retest #2	NODI=9	NODI=9
TX0023868	12/31/2023	TXAS	Whole effluent toxicity - retest #2	NODI=Q	NODI=Q
TX0023868	6/30/2024	TXAS	Whole effluent toxicity - retest #2	NODI=Q	NODI=Q

Senate Bill 709 (84th Legislative Session, 2015) amended the Texas Water Code by adding new Section 5.5553, which requires the Texas Commission on Environmental Quality (TCEQ) to provide written notice to you at least thirty (30) days prior to the TCEQ's issuance of draft permits for applications that are located in your district.

City of Lockhart and Guadalupe-Blanco River Authority, P.O. Box 239, Lockhart, Texas 78644, has applied to the TCEQ to renew Texas Pollutant Discharge Elimination System Permit No. WQ0010210001 (EPA I.D. No. TX0023868) to authorize the discharge of treated wastewater at a volume not to exceed an annual average flow of 1,100,000 gallons per day. The domestic wastewater treatment facility is located at 109 Larremore Street, in the city of Lockhart, in Caldwell County, Texas 78644. The discharge route is from the plant site to Town Branch, thence to Plum Creek in Segment No. 1810 of the Guadalupe River Basin. TCEQ received this application on October 17, 2024. The permit application will be available for viewing and copying at Dr. Eugene Clark Library, Circulation Desk, 217 South Main Street, Lockhart, in Caldwell County, Texas. The application, including any updates, and associated notices are available electronically at the following webpage:
https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications.
This link to an electronic map of the site or facility's general location is provided as a public courtesy and is not part of the application or notice. For the exact location, refer to the application. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.664444,29.884444&level=18

TCEQ is preparing the initial draft permit. At the time the draft permit is issued, the applicant will be required to publish notice in a newspaper of general circulation, and the TCEQ will provide a copy of the notice of draft permit to persons who have requested to be on a mailing list.

Questions regarding this application may be directed to Mr. Deba Dutta, P.E., by calling 512-239-4608.

Issuance Date: _____

Texas Commission on Environmental Quality

INTEROFFICE MEMORANDUM

Date: 11/5/2023

To: Municipal Permits Team

Thru: Colleen Cook, Pretreatment Team Leader

From: Nathan Rothschild, Pretreatment Coordinator

Subject: Pretreatment program option for the TPDES Permit No. WQ0010210001, Guadalupe Blanco River Authority (GBRA) – Lockhart WWTP summary sheet

I have reviewed the above referenced permit and have determined that the publicly-owned treatment works (POTW) receives the standard pretreatment language.

Option 1: This general pretreatment boilerplate language should be put in TPDES permits for all POTWs that do not have either an approved pretreatment program or requirement to develop a new pretreatment program.

Within this standard language, the Pretreatment Program has not incorporated additional pretreatment language requirements. Please incorporate the following language for permittee's FACT SHEET, if applicable, under:

1. INDUSTRIAL WASTE CONTRIBUTION

The Lockhart WWTP does not appear to receive significant industrial wastewater contributions. Based on the information provided by the permittee in the most recent TPDES permit application, the TCEQ determined that there are no significant industrial wastewater contributions currently being discharged to the permittee's POTW.

2. PRETREATMENT REQUIREMENTS

Permit requirements for pretreatment are based on TPDES regulations contained in 30 TAC Chapter 305 which references 40 CFR Part 403, General Pretreatment Regulations for Existing and New Sources of Pollution *[rev. Federal Register/ Vol. 70/ No. 198/ Friday, October 14, 2005/ Rules and Regulations, pages 60134-60798].* The permit includes specific requirements that establish responsibilities of local government, industry, and the public to implement the standards to control pollutants which pass through or interfere with treatment processes in publicly owned treatment works or which may contaminate the sewage sludge. This permit has appropriate pretreatment language for a facility of this size and complexity.

3. SUMMARY OF CHANGES FROM EXISTING PERMIT

The pretreatment language has not been updated from the current permit. The pretreatment requirements will continue until permit expiration.

TCEQ Interoffice Memorandum

To: Municipal Permits Team
Wastewater Permitting Section

From: Michael B. Pfeil, Standards Implementation Team
Water Quality Assessment Section
Water Quality Division

Date: January 29, 2024

Subject: City of Lockhart and GBRA
Lockhart WWTP No. 1
Permit No. WQ0010210001

WHOLE EFFLUENT TOXICITY (WET) TESTING (BIOMONITORING)

The following information applies to Outfall 001. We recommend freshwater chronic and 24-hour acute testing. For chronic testing, we recommend the water flea (*Ceriodaphnia dubia*) and the fathead minnow (*Pimephales promelas*) as test species and a testing frequency of once per quarter for both test species. We recommend a dilution series of 28%, 37%, 50%, 66%, and 89% with a critical dilution of 89%. The critical dilution is in accordance with the "Aquatic Life Criteria" section of the "Water Quality Based Effluent Limitations/Conditions" section.

For 24-hour acute testing, we recommend a water flea (*Ceriodaphnia dubia* or *Daphnia pulex*) and the fathead minnow as test species and a testing frequency of once per six months for both test species. In the past three years, the permittee has performed ten 24-hour acute tests, with zero demonstrations of significant mortality (i.e., zero failures).

REASONABLE POTENTIAL (RP) DETERMINATION

In the past three years, the permittee has performed twelve chronic tests, with zero demonstrations of significant toxicity (i.e., zero failures).

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. WET limits are not required and both test species may be eligible for the testing frequency reduction after one year of quarterly testing.

TCEQ Interoffice Memorandum

To: Municipal Permits Team
Wastewater Permitting Section

Thru: Sarah Musgrove, Water Quality Assessment Team
Water Quality Assessment Section

From: Claire Dittelmier, Water Quality Assessment Team
Water Quality Assessment Section

Date: January 29, 2025

Subject: City of Lockhart and Guadalupe-Blanco River Authority
Wastewater Permit No. WQ0010210001
Critical Conditions Recommendation Memo

The following information applies to **Outfall 001**.

The TexTox menu number is **3** for a perennial freshwater ditch, stream, or river.

This discharge is to Town Branch.

Segment No.	1810
Effluent Flow for Aquatic Life (MGD)	1.1 (Permitted)
Critical Low Flow [7Q2] (cfs)	0.22
Effluent Flow for Human Health (MGD)	1.1 (Permitted)
Harmonic Mean Flow (cfs)	0.59
Public Water Supply?	No

Human Health criteria apply for Incidental Fish Only.

The chronic aquatic life mixing zone is defined as 300 feet downstream and 100 feet upstream from the point of discharge. Chronic toxic criteria apply at the edge of the chronic aquatic life mixing zone.

Also check menu 3.

This discharge is to Plum Creek (Segment No. 1810).

Segment No.	1810
Effluent Flow for Human Health (MGD)	1.1 (Permitted)
Harmonic Mean Flow (cfs)	0.42
Public Water Supply?	No

OUTFALL LOCATION[1]

Outfall Number	Latitude	Longitude
001	29.884544 N	-97.662544 W

[1] Latitude and Longitude values are approximations of the location for administrative purposes.

TCEQ Interoffice Memorandum

To: Municipal Permits Team
Wastewater Permitting Section

Thru: Orlando M. Vasquez, Jr., P.E.
Modeler, Water Quality Assessment Team
Water Quality Assessment Section

From: Mara Guerin
Modeler, Water Quality Assessment Team
Water Quality Assessment Section

Date: January 30, 2025

Subject: City of Lockhart and Guadalupe-Blanco River Authority
Wastewater Permit Renewal (WQ0010210001, TX0023868)
Discharge to a tributary of Plum Creek (Segment No. 1810) of the Guadalupe River Basin

The referenced applicant is proposing to renew its permit authorizing the discharge of 1.1 MGD of treated domestic wastewater into the watershed of Plum Creek (Segment No. 1810). The facility is located in Caldwell County.

This permit action is for renewal of an existing authorization. A dissolved oxygen modeling analysis was previously performed for this permit on July 18, 2019, by Mark A. Rudolph. Applicable water body uses and criteria, proposed permitted flow conditions, and modeling analytical procedures pertaining to this discharge situation remain unchanged from the previous review. Therefore, the existing effluent set of **10 mg/L $CBOD_5$, 3 mg/L Ammonia-Nitrogen, and 5.0 mg/L DO** is applicable to this permit. No additional modeling work was performed for the current permit action.

Segment No. 1810 is not currently listed on the State's inventory of impaired and threatened waters (the **2022** Clean Water Act Section 303(d) list).

The existing effluent limits have been reviewed for consistency with the State of Texas Water Quality Management Plan (WQMP). The existing limits are consistent with the approved WQMP.

TCEQ Interoffice Memorandum

To: Municipal Permits Team
Wastewater Permitting Section

From: Michelle Labrie, Standards Implementation Team
Water Quality Assessment Section
Water Quality Division

Date: November 18, 2024

Subject: City of Lockhart and Guadalupe-Blanco River Authority
Permit no. 10210-001
Renewal; Application received: 10/17/2024

The discharge route for the above referenced permit is to Town Branch, thence to Plum Creek in Segment 1810 of the Guadalupe River Basin. The designated uses and dissolved oxygen criterion as stated in Appendix A of the Texas Surface Water Quality Standards (30 Texas Administrative Code §307.10) for Segment 1810 are primary contact recreation, aquifer protection, high aquatic life use, and 5.0 mg/L dissolved oxygen.

Since the discharge is directly to an unclassified water body, the permit action was reviewed in accordance with 30 Texas Administrative Code §307.4(h) and (l) of the 2022 Texas Surface Water Quality Standards and the *Procedures to Implement the Texas Surface Water Quality Standards* (June 2010). Based on available information, a preliminary determination of the aquatic life uses in the area of the discharge impact has been performed and the corresponding dissolved oxygen criterion assigned.

Town Branch; high aquatic life use; 5.0 mg/L dissolved oxygen.

The discharge from this permit action 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 Texas Pollutant Discharge Elimination System (TPDES; September 14, 1998; October 21, 1998 update). To make this determination for TPDES permits, TCEQ and 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 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.

TCEQ Interoffice Memorandum

To: Municipal Permits Team
Wastewater Permitting Section

From: Michelle Labrie, Standards Implementation Team
Water Quality Assessment Section
Water Quality Division

Date: March 17, 2025

Subject: City of Lockhart and Guadalupe-Blanco River Authority
Permit no. 10210-001
Renewal; Application received: 10/17/2024

This memo supersedes the one dated November 18, 2024.

The discharge route for the above referenced permit is to Town Branch, thence to Plum Creek in Segment 1810 of the Guadalupe River Basin. The designated uses and dissolved oxygen criterion as stated in Appendix A of the Texas Surface Water Quality Standards (30 Texas Administrative Code §307.10) for Segment 1810 are primary contact recreation, aquifer protection, high aquatic life use, and 5.0 mg/L dissolved oxygen.

A TDS screening was not performed because the effluent TDS, chloride, and sulfate were all below segment criteria.

Since the discharge is directly to an unclassified water body, the permit action was reviewed in accordance with 30 Texas Administrative Code §307.4(h) and (l) of the 2022 Texas Surface Water Quality Standards and the *Procedures to Implement the Texas Surface Water Quality Standards* (June 2010). Based on available information, a preliminary determination of the aquatic life uses in the area of the discharge impact has been performed and the corresponding dissolved oxygen criterion assigned.

Town Branch; high aquatic life use; 5.0 mg/L dissolved oxygen.

The discharge from this permit action 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 Texas Pollutant Discharge Elimination System (TPDES; September 14, 1998; October 21, 1998 update). To make this determination for TPDES permits, TCEQ and 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 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.