



Technical Package Cover Page

This file contains the following documents:

1. Summary of application (in plain language)
 - English
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 2. First notice (NORI-Notice of Receipt of Application and Intent to Obtain a Permit)
 - English
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 3. Second notice (NAPD-Notice of Preliminary Decision)
 - English
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 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
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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 DOMESTIC WASTEWATER/STORMWATER

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

The City of Denison (CN600457428) operates Dean Rylant Water Treatment Plant (RN101421337), a drinking water treatment facility. The facility is located at 4631 Randell Lake Road, in Denison, Grayson County, Texas 75020. This application is for a permit to discharge treated wastewater at a volume of 2,000,000 gallons per day via Outfall 001.

Discharges from the facility are expected to contain total suspended solids. Surface water is treated by two solids contact clarifiers, a clari-flocculator, dual-media filters, two clear wells, chlorination, eight ultrafiltration membrane skids, and four storage ponds.

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

AGUAS RESIDUALES DOMESTICAS /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 Denison (CN600457428) opera la planta de tratamiento de agua Dean Rylant (RN101421337), un instalación de tratamiento de agua potable. La instalación está ubicada en 4631 Randell Lake Road, en Denison, Condado de Grayson, Texas 75020. Esta solicitud es para un permiso para descargar aguas residuales tratadas en un volumen de 2,000,000 galones por día a través del Emisario 001.

Se espera que las descargas de la instalación contengan solidos totalmente suspendidos. Superficie del agua está tratado por dos clarificadores de contacto de sólidos, un clarifloculador, filtros de doble medio, dos pozos transparentes, cloración, ocho plataformas de membrana de ultrafiltración y cuatro estanques de almacenamiento.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

PROPOSED PERMIT NO. WQ0016612001

APPLICATION. City of Denison, 300 West Main Street, Denison, Texas 75020, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016612001 (EPA I.D. No. TX0146552) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 2,000,000 gallons per day. The water treatment facility will be located at 4631 Randell Lake Road, Denison, in Grayson County, Texas 75020. The discharge route will be from the plant site to an unnamed tributary; thence to Shawnee Creek; thence to Red River Below Lake Texoma. TCEQ received this application on September 3, 2024. The permit application will be available for viewing and copying at Denison City Hall, reception desk, 300 West Main Street, Denison, 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=-96.574722,33.795833&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.**

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 Denison at the address stated above or by calling Mr. Angus Evans, Water Plant Superintendent, at 903-464-4480, Extension 2531.

Issuance Date: October 16, 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

PERMISO PROPUESTO NO. WQ0016612001

SOLICITUD. La Ciudad de Denison, 300 West Main Street, P.O. Box 347 Denison, Texas 75020 ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para el propuesto Permiso No. WQ0016612001 (EPA I.D. No. TX0146552) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 2,000,000 galones por día. La planta está ubicada 4631 Randell Lake Road, Denison, en el Condado de Grayson, Texas 75020. La ruta de descarga es del sitio de la planta a un unnamed tributary, thence to Shawnee Creek, thence to Red River Below Lake Texoma. La TCEQ recibió esta solicitud el September 3rd, 2024. La solicitud para el permiso está disponible para leerla y copiarla en Ciudad de Denison, 300 West Main Street, Denison, Texas. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web: <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud. <https://gisweb.tceq.texas.gov/LocationMapper/?marker=96.574722,33.795833&level=18>

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

COMENTARIO PUBLICO / REUNION PUBLICA. Usted puede presentar comentarios públicos o pedir una reunión pública sobre esta solicitud. El propósito de una reunión pública es dar la oportunidad de presentar comentarios o hacer preguntas acerca de la solicitud. La TCEQ realiza una reunión pública si el

Director Ejecutivo determina que hay un grado de interés público suficiente en la solicitud o si un legislador local lo pide. Una reunión pública no es una audiencia administrativa de lo contencioso.

OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO

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

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

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

derecho relacionadas a intereses pertinentes y materiales de calidad del agua que se hayan presentado durante el período de comentarios.

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

CONTACTOS E INFORMACIÓN DE LA TCEQ. Todos los comentarios escritos del público y los para pedidos una reunión deben ser presentados a la Oficina del Secretario Principal, MC 105, TCEQ, P.O. Box 13087, Austin, TX 78711-3087 o por el internet at www.tceq.texas.gov/about/comments.html. 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. Si necesita más información en Español sobre esta solicitud para un permiso o el proceso del permiso, por favor llame a El Programa de Educación Pública de la TCEQ, sin cobro, al 1-800-687-4040. La información general sobre la TCEQ puede ser encontrada en nuestro sitio de la red: www.tceq.texas.gov.

También se puede obtener información adicional de la Ciudad de Denison a la dirección indicada arriba o llamando a Sr. Angus Evans al 903-464-4480 extensión 2531.

Fecha de emisión: 16 de octubre de 2024

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

NEW

PERMIT NO. WQ0016612001

APPLICATION AND PRELIMINARY DECISION. City of Denison, 300 West Main Street, Denison, Texas 75020, has applied to the Texas Commission on Environmental Quality (TCEQ) for a new permit, Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016612001, to authorize the discharge of treated filter backwash effluent from a water treatment plant at a daily average flow not to exceed 2,000,000 gallons per day. The facility was previously permitted under general permit TXG640000. TCEQ received this application on September 3, 2024.

The facility is located at 4631 Randell Lake Road, Grayson County, Texas 75020. The treated effluent is discharged to an unnamed tributary, thence to Shawnee Creek; thence to Red River Below Lake Texoma in Segment No. 0202 of the Red River Basin. The unclassified receiving water uses are minimal aquatic life use for the unnamed tributary and high aquatic life use for Shawnee Creek. The designated uses for Segment No. 0202 are primary contact recreation, public water supply, and high aquatic life use. In accordance with 30 Texas Administrative Code

§307.5 and the TCEQ's *Procedures to Implement the Texas Surface Water Quality Standards* (June 2010), an antidegradation review of the receiving waters was performed. A Tier 1 antidegradation review has preliminarily determined that existing water quality uses will not be impaired by this permit action. Numerical and narrative criteria to protect existing uses will be maintained. A Tier 2 review has preliminarily determined that no significant degradation of water quality is expected in Shawnee Creek, which has been identified as having high aquatic life use. Existing uses will be maintained and protected. The preliminary determination can be reexamined and may be modified if new information is received. 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=-96.574722,33.795833&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 Denison City Hall, reception desk, 300 West Main Street, Denison, 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>.

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.

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 Denison at the address stated above or by calling Mr. Angus Evans, Water Plant Superintendent, at 903-464-4480 Extension 2531.

Issuance Date: October 7, 2025

Comisión De Calidad Ambiental Del Estado De Texas



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

NUEVO

PERMISO PROPUESTO NO. WQ0016612001

SOLICITUD Y DECISIÓN PRELIMINAR. La Ciudad de Denison, 300 West Main Street, Denison, Texas 75020 ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) por un nuevo para autorizar el vertido de efluentes de enjuague de filtro tratado de una planta de tratamiento de agua con un caudal medio diario que no supere 2,000,000 galones por día. La instalación fue previamente autorizada bajo el permiso general TXG640010. La TCEQ recibió esta solicitud el 3 de septiembre de 2024.

La planta está ubicada en 4631 Randell Lake Road, Denison, Texas 75020 en el Condado de Grayson, Texas. 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=96.574722,33.795833&level=18>

El efluente tratado es descargado al un afluente sin nombre, de ahí al arroyo Shawnee; de ahí al río Rojo por debajo del lago Texoma en el Segmento No. 0202 de la Cuenca del Río Rojo. Los usos del agua receptora no clasificados son el uso mínimo de vida acuática para el afluente sin nombre y el uso alto de vida acuática para el Shawnee Creek. Los usos designados para el Segmento No. 0202 son la recreación de contacto primario, el suministro de agua pública y el uso alto de vida acuática.

De acuerdo con la 30 TAC §307.5 y los procedimientos de implementación de la TCEQ (Enero 2010) para las Normas de Calidad de Aguas Superficiales en Texas, fue realizada una revisión de la antidegradación de las aguas recibidas. Una revisión de antidegradación del Nivel 1 ha determinado preliminarmente que los usos de la calidad del agua existente no serán perjudicados por la acción de este permiso. Se mantendrá un criterio narrativo y numérico para proteger los usos existentes. Una revisión del Nivel 2 ha determinado preliminarmente que no se espera ninguna degradación significativa en Shawnee Creek, el cual se ha identificado que tiene excepcionales usos en la vida acuática. Los usos existentes serán mantenidos y protegidos. La determinación preliminar puede ser reexaminada y puede ser modificada, si se recibe alguna información nueva.

El Director Ejecutivo de la TCEQ ha completado la revisión técnica de la solicitud y ha preparado un borrador del permiso. El borrador del permiso, si es aprobado, establecería las condiciones bajo las cuales la instalación debe operar. El Director Ejecutivo ha tomado una decisión preliminar que si este permiso es emitido, cumple con todos los requisitos normativos y legales. La solicitud del permiso, la decisión preliminar del Director Ejecutivo y el borrador del permiso están disponibles para leer y copiar en Ayuntamiento de Denison, mostrador de recepción, 300 West Main Street, Denison, Texas. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web:

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

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

COMENTARIO PUBLICO / REUNION PUBLICA. Usted puede presentar comentarios públicos o pedir una reunión pública sobre esta solicitud.

El propósito de una reunión pública es dar la oportunidad de presentar comentarios o hacer preguntas acerca de la solicitud. La TCEQ realiza una reunión pública si el Director Ejecutivo determina que hay un grado de interés público suficiente en la solicitud o si un legislador local lo pide. Una reunión pública no es una audiencia administrativa de lo contencioso.

OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO CONTENCIOSO. Después de la fecha límite para presentar comentarios públicos, el Director Ejecutivo considerará los comentarios y preparará una respuesta a todos los comentarios públicos relevantes y materiales, o significativos. **A menos que la solicitud sea remitida directamente para una audiencia de caso impugnado, la respuesta a los comentarios se enviará por correo a todos los que enviaron comentarios públicos y a aquellas personas que estén en la lista de correo para esta solicitud. Si se reciben comentarios, el correo también proporcionará instrucciones para solicitar una audiencia de caso impugnado o reconsiderar la decisión del Director Ejecutivo.**

Una audiencia de caso impugnado es un procedimiento legal similar a un juicio civil en un tribunal de distrito estatal.

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

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

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

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

LISTA DE CORREO. Si envía comentarios públicos, una solicitud de una audiencia de caso impugnado o una reconsideración de la decisión del Director Ejecutivo, se le agregará a la lista de correo de esta solicitud específica para recibir futuros avisos públicos enviados por correo por la Oficina del Secretario Oficial. Además, puede solicitar ser colocado en: (1) la lista de correo permanente para un nombre de solicitante específico y número de permiso; y/o (2) la lista de correo para un condado específico. Si desea ser colocado en la lista de correo permanente y / o del condado, especifique claramente qué lista (s) y envíe su solicitud a la Oficina del Secretario Oficial de la TCEQ a la dirección a continuación.

Todos los comentarios públicos escritos y las solicitudes de reunión pública deben enviarse a Office of the Chief Clerk, MC 105, TCEQ, 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.

CONTACTOS E INFORMACIÓN DE LA AGENCIA. Los comentarios y solicitudes públicas deben enviarse electrónicamente a www.tceq.texas.gov/goto/comment, o por escrito a Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Cualquier información personal que envíe a la TCEQ pasará a formar parte del registro de la agencia; esto incluye las direcciones de correo electrónico. Para obtener más información sobre esta solicitud de permiso o el proceso de permisos, llame al Programa de Educación Pública de 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 información adicional de la Ciudad de Denison a la dirección indicada arriba o llamando a Sr. Angus Evans a 903-464-4480 extensión 2531.

Fecha de emisión: el 7 de octubre de 2025.



PLUMMER

0443-062-01

September 3, 2024

Texas Commission on Environmental Quality
Applications Review and Processing Team
Building F, Room 2101
12100 Park 35 Circle
Austin, Texas 78753

RECEIVED

SEP 03 2024

TCEQ MAIL CENTER
DA

Re: City of Denison
Dean Rylant Water Treatment Plant
Application for a New Texas Pollutant Discharge Elimination System (TPDES) Permit

To Whom It May Concern:

On behalf of the City of Denison, Plummer Associates, Inc. (Plummer) submits one original and two copies of a new permit application for the above-referenced facility. The application fee of \$2,050.00 for the Domestic Wastewater Permit Application has been submitted to the Texas Commission on Environmental Quality via ePay.

Please feel free to contact me at mpierce-walsh@plummer.com or (512) 359-7764, if you have any questions regarding this submittal.

Sincerely,

PLUMMER
TBPE Firm Registration No. F-13

Meg Pierce-Walsh
Environmental Services Practice Leader, Principal

Enclosures: New TPDES Permit Application (1 original, 2 copies)

cc: Fanchon Stearns, CIP/Engineering Manager, City of Denison
Ronnie Bates, Director of Public Works & Emergency Management Coordinator, City of Denison
Angus Evans, Water Plant Supervisor, City of Denison
Ervin Pariera, Assistant Director Public Works, City of Denison



DEAN RYLANT WATER TREATMENT PLANT

NEW TPDES PERMIT APPLICATION

SUBMITTED TO:
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



September 2024

PROJECT #: 0443-062-01

PLUMMER

**CITY OF DENISON
DEAN RYLANT WATER TREATMENT PLANT
NEW TPDES PERMIT APPLICATION**

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Domestic Worksheet 2.0
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III. ATTACHMENTS

<u>No.</u>	<u>Description</u>	<u>Reference</u>
A	Permit Justification	Admin Rpt 1.0, Item 2.a,e; Tech Rpt 1.0, Item 7; Tech Rpt 1.1, Item 1.a
B	Core Data Form	Admin Rpt 1.0, Item 4
C	Plain Language Summary	Admin Rpt 1.0, Item 8.f
D	Public Involvement Plan	Admin Rpt 1.0, Item 8.g
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F	Affected Landowners	Admin Rpt 1.1, Item 1.a
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H	Supplemental Permit Information Form	SPIF
I	Treatment Process Description	Tech Rpt 1.0, Item 2.a
J	List of Treatment Units	Tech Rpt 1.0, Item 2.b
K	Process Flow Diagram	Tech Rpt 1.0, Item 2.c
L	Site Drawing	Tech Rpt 1.0, Item 3
M	List of Facility Operators	Tech Rpt 1.0, Item 8
N	Wind Rose	Tech Rpt 1.1, Item 5.B
O	ePay Voucher	Admin Rpt 1.0, Item 1



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: City of Denison

PERMIT NUMBER (If new, leave blank): WQ00 N/A – New Permit

Indicate if each of the following items is included in your application.

	Y	N		Y	N
Administrative Report 1.0	☒	☐	Original USGS Map	☒	☐
Administrative Report 1.1	☒	☐	Affected Landowners Map	☒	☐
SPIF	☒	☐	Landowner Disk or Labels	☒	☐
Core Data Form	☒	☐	Buffer Zone Map	☐	☒
Public Involvement Plan Form	☒	☐	Flow Diagram	☒	☐
Technical Report 1.0	☒	☐	Site Drawing	☒	☐
Technical Report 1.1	☒	☐	Original Photographs	☒	☐
Worksheet 2.0	☒	☐	Design Calculations	☐	☒
Worksheet 2.1	☒	☐	Solids Management Plan	☐	☒
Worksheet 3.0	☐	☒	Water Balance	☐	☒
Worksheet 3.1	☐	☒			
Worksheet 3.2	☐	☒			
Worksheet 3.3	☐	☒			
Worksheet 4.0	☐	☒			
Worksheet 5.0	☐	☒			
Worksheet 6.0	☒	☐			
Worksheet 7.0	☐	☒			

For TCEQ Use Only

Segment Number _____ County _____
Expiration Date _____ Region _____
Permit Number _____



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

**DOMESTIC WASTEWATER PERMIT APPLICATION
ADMINISTRATIVE REPORT 1.0**

For any questions about this form, please contact the Applications Review and Processing Team at 512-239-4671.

Section 1. Application Fees (Instructions Page 26)

Indicate the amount submitted for the application fee (check only one).

Flow	New/Major Amendment	Renewal
<0.05 MGD	\$350.00 ☐	\$315.00 ☐
≥0.05 but <0.10 MGD	\$550.00 ☐	\$515.00 ☐
≥0.10 but <0.25 MGD	\$850.00 ☐	\$815.00 ☐
≥0.25 but <0.50 MGD	\$1,250.00 ☐	\$1,215.00 ☐
≥0.50 but <1.0 MGD	\$1,650.00 ☐	\$1,615.00 ☐
≥1.0 MGD	\$2,050.00 ☒	\$2,015.00 ☐

Minor Amendment (for any flow) \$150.00 ☐

Payment Information:

Mailed Check/Money Order Number: N/A

Check/Money Order Amount: \$2,050

Name Printed on Check: N/A

EPAY Voucher Number: 719233, 719234

Copy of Payment Voucher enclosed? Yes ☒ See Attachment O

Section 2. Type of Application (Instructions Page 26)

a. Check the box next to the appropriate authorization type.

- | | |
|---|---|
| ☐ Publicly-Owned Domestic Wastewater | Water Treatment Plant (WTP)
wastewater applicable to
domestic wastewater program. |
| ☐ Privately-Owned Domestic Wastewater | |
| ☒ Conventional Wastewater Treatment | |

b. Check the box next to the appropriate facility status.

- ☒ Active ☐ Inactive See Attachment A - Permit Justification

c. Check the box next to the appropriate permit type.

- ☒ TPDES Permit
☐ TLAP
☐ TPDES Permit with TLAP component
☐ Subsurface Area Drip Dispersal System (SADDS)

d. Check the box next to the appropriate application type

- ☒ New
☐ Major Amendment with Renewal
☐ Major Amendment without Renewal
☐ Renewal without changes
☐ Minor Amendment with Renewal
☐ Minor Amendment without Renewal
☐ Minor Modification of permit

e. For amendments or modifications, describe the proposed changes: See Attachment A

f. For existing permits:

Permit Number: WQ00 N/A – New Permit

EPA I.D. (TPDES only): TX N/A – New Permit

Expiration Date: N/A – New Permit

Section 3. Facility Owner (Applicant) and Co-Applcant Information (Instructions Page 26)

A. The owner of the facility must apply for the permit.

What is the Legal Name of the entity (applicant) applying for this permit?

City of Denison

(The legal name must be spelled exactly as filed with the Texas Secretary of State, County, or in the legal documents forming the entity.)

If the applicant is currently a customer with the TCEQ, what is the Customer Number (CN)?

You may search for your CN on the TCEQ website at <http://www15.tceq.texas.gov/crpub/>

CN: CN600457428

What is the name and title of the person signing the application? The person must be an executive official meeting signatory requirements in 30 TAC § 305.44.

Prefix: Mr.

Last Name, First Name: Atteberry, Bobby

Title: Interim City Manager

Credential: N/A

B. **Co-applicant information.** Complete this section only if another person or entity is required to apply as a co-permittee.

What is the Legal Name of the co-applicant applying for this permit?

N/A

(The legal name must be spelled exactly as filed with the TX SOS, with the County, or in the legal documents forming the entity.)

If the co-applicant is currently a customer with the TCEQ, what is the Customer Number (CN)?
You may search for your CN on the TCEQ website at: <http://www15.tceq.texas.gov/crpub/>

CN: N/A

What is the name and title of the person signing the application? The person must be an executive official meeting signatory requirements in 30 TAC § 305.44.

Prefix: N/A

Last Name, First Name: N/A

Title: N/A

Credential: N/A

Provide a brief description of the need for a co-permittee: N/A

C. Core Data Form

Complete the Core Data Form for each customer and include as an attachment. If the customer type selected on the Core Data Form is **Individual**, complete **Attachment 1** of Administrative Report 1.0. Attachment B

Section 4. Application Contact Information (Instructions Page 27)

This is the person(s) TCEQ will contact if additional information is needed about this application. Provide a contact for administrative questions and technical questions.

- A. Prefix: Ms. Last Name, First Name: Stearns, Fanchon
Title: CIP/ Engineering Manager Credential: N/A
Organization Name: City of Denison
Mailing Address: 300 W. Main St, P.O. Box 347 City, State, Zip Code: Denison, TX 75020
Phone No.: (903) 465-2720 x 2085 E-mail Address: fstearns@denisontx.gov
Check one or both: ☒ Administrative Contact ☒ Technical Contact
- B. Prefix: Mr. Last Name, First Name: Pariera, Ervin
Title: Assistant Director of Public Works Credential: N/A
Organization Name: City of Denison
Mailing Address: 300 W. Main St, P.O. Box 347 City, State, Zip Code: Denison, TX 75020
Phone No.: (903) 465-2720 x 2442 E-mail Address: epariera@denisontx.gov
Check one or both: ☐ Administrative Contact ☒ Technical Contact

Section 5. Permit Contact Information (Instructions Page 27)

Provide the names and contact information for two individuals that can be contacted throughout the permit term.

- A. Prefix: Mr. Last Name, First Name: Evans, Angus
Title: Water Plant Superintendent Credential: N/A
Organization Name: City of Denison
Mailing Address: 300 W. Main St, P.O. Box 347 City, State, Zip Code: Denison, TX 75020
Phone No.: (903) 464-4480 x 2531 E-mail Address: aevans@denisontx.gov

B. Prefix: Mr. Last Name, First Name: Pariera, Ervin
Title: Assistant Director of Public Works Credential: N/A
Organization Name: City of Denison
Mailing Address: 300 W. Main St, P.O. Box 347 City, State, Zip Code: Denison, TX 75020
Phone No.: (903) 465-2720 x 2442 E-mail Address: epariera@denisontx.gov

Section 6. Billing Contact Information (Instructions Page 27)

The permittee is responsible for paying the annual fee. The annual fee will be assessed to permits ***in effect on September 1 of each year***. The TCEQ will send a bill to the address provided in this section. The permittee is responsible for terminating the permit when it is no longer needed (using form TCEQ-20029).

Prefix: Ms. Last Name, First Name: Evans, Rachel
Title: Accounting Clerk Credential: N/A
Organization Name: City of Denison
Mailing Address: 300 W. Main, P.O. Box 347 City, State, Zip Code: Denison, TX 75020
Phone No.: (903) 465-2720 x 2446 E-mail Address: accountspayable@denisontx.gov

Section 7. DMR/MER Contact Information (Instructions Page 27)

Provide the name and complete mailing address of the person delegated to receive and submit Discharge Monitoring Reports (DMR) (EPA 3320-1) or maintain Monthly Effluent Reports (MER).

Prefix: Mr. Last Name, First Name: Evans, Angus
Title: Water Plant Superintendent Credential: N/A
Organization Name: City of Denison
Mailing Address: 300 W. Main St, P.O. Box 347 City, State, Zip Code: Denison, TX 75020
Phone No.: (903) 464-4480 x 2531 E-mail Address: aevans@denisontx.gov

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Mr. Last Name, First Name: Evans, Angus
Title: Water Plant Superintendent Credential: N/A
Organization Name: City of Denison
Mailing Address: 300 W. Main St, P.O. Box 347 City, State, Zip Code: Denison, TX 75020
Phone No.: (903) 464-4480 x 2531 E-mail Address: aevans@denisontx.gov

B. Method for Receiving Notice of Receipt and Intent to Obtain a Water Quality Permit Package

Indicate by a check mark the preferred method for receiving the first notice and instructions:

☒ E-mail Address

☐ Fax

☐ Regular Mail

C. Contact permit to be listed in the Notices

Prefix: Mr. Last Name, First Name: Evans, Angus

Title: Water Plant Superintendent Credential: N/A

Organization Name: City of Denison

Mailing Address: 300 W. Main St, P.O. Box 347 City, State, Zip Code: Denison, TX 75020

Phone No.: (903) 464-4480 x 2531 E-mail Address: aevans@denisontx.gov

D. Public Viewing Information

If the facility or outfall is located in more than one county, a public viewing place for each county must be provided.

Public building name: Denison City Hall

Location within the building: Reception Desk

Physical Address of Building: 300 W Main St

City: Denison County: Grayson

Contact (Last Name, First Name): Evans, Angus

Phone No.: (903) 465-2720 Ext.: N/A

E. Bilingual Notice Requirements

This information is required for new, major amendment, minor amendment or minor modification, and renewal applications.

This section of the application is only used to determine if alternative language notices will be needed. Complete instructions on publishing the alternative language notices will be in your public notice package.

Please call the bilingual/ESL coordinator at the nearest elementary and middle schools and obtain the following information to determine whether an alternative language notices are required.

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

☒ Yes ☐ No

If **no**, publication of an alternative language notice is not required; **skip to** Section 9 below.

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

☒ Yes ☐ No

3. Do the students at these schools attend a bilingual education program at another location?

☐ Yes ☒ No

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

☐ Yes ☒ No

5. If the answer is **yes** to **question 1, 2, 3, or 4**, public notices in an alternative language are required. Which language is required by the bilingual program? Spanish

F. Plain Language Summary Template

Complete the Plain Language Summary (TCEQ Form 20972) and include as an attachment.

Attachment: C

G. Public Involvement Plan Form

Complete the Public Involvement Plan Form (TCEQ Form 20960) for each application for a **new permit or major amendment to a permit** and include as an attachment.

Attachment: D

Section 9. Regulated Entity and Permitted Site Information (Instructions Page 29)

A. If the site is currently regulated by TCEQ, provide the Regulated Entity Number (RN) issued to this site. RN 101421337

Search the TCEQ's Central Registry at <http://www15.tceq.texas.gov/crpub/> to determine if the site is currently regulated by TCEQ.

B. Name of project or site (the name known by the community where located):

Dean Rylant Water Treatment Plant

C. Owner of treatment facility: City of Denison

Ownership of Facility: ☒ Public ☐ Private ☐ Both ☐ Federal

D. Owner of land where treatment facility is or will be:

Prefix: N/A

Last Name, First Name: N/A

Title: N/A

Credential: N/A

Organization Name: City of Denison

Mailing Address: 300 W. Main St, P.O. Box 347

City, State, Zip Code: Denison, TX 75021

Phone No.: (903) 465-2720

E-mail Address: aevars@denisontx.gov

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

Attachment: N/A

E. Owner of effluent disposal site:

Prefix: N/A

Last Name, First Name: N/A

Title: N/A

Credential: N/A

Organization Name: N/A

Mailing Address: N/A

City, State, Zip Code: N/A

Phone No.: N/A

E-mail Address: N/A

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

Attachment: N/A

F. Owner sewage sludge disposal site (if authorization is requested for sludge disposal on property owned or controlled by the applicant):

Prefix: N/A

Last Name, First Name: N/A

Title: N/A

Credential: N/A

Organization Name: N/A

Mailing Address: N/A

City, State, Zip Code: N/A

Phone No.: N/A

E-mail Address: N/A

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

Attachment: N/A

Section 10. TPDES Discharge Information (Instructions Page 31)

A. Is the wastewater treatment facility location in the existing permit accurate?

☐ Yes ☐ No N/A - New Permit

If **no, or a new permit application**, please give an accurate description:

4631 Randell Lake Road Denison, TX 75020-1937

B. Are the point(s) of discharge and the discharge route(s) in the existing permit correct?

☐ Yes ☐ No N/A - New Permit

If **no, or a new or amendment permit application**, provide an accurate description of the point of discharge and the discharge route to the nearest classified segment as defined in 30 TAC Chapter 307:

From Outfall 001 to an unnamed tributary, thence to Shawnee Creek, thence to Red River Below Lake Texoma Segment No. 0202 of the Red River Basin.

City nearest the outfall(s): Denison

County in which the outfalls(s) is/are located: Grayson

C. Is or will the treated wastewater discharge to a city, county, or state highway right-of-way, or a flood control district drainage ditch?

☐ Yes ☒ No

If **yes**, indicate by a check mark if:

- ☐ Authorization granted ☐ Authorization pending

For **new and amendment** applications, provide copies of letters that show proof of contact and the approval letter upon receipt.

Attachment: N/A

- D. For all applications involving an average daily discharge of 5 MGD or more, provide the names of all counties located within 100 statute miles downstream of the point(s) of discharge: N/A

Section 11. TLAP Disposal Information (Instructions Page 32)

- A. For TLAPs, is the location of the effluent disposal site in the existing permit accurate?

- ☐ Yes ☐ No

If **no, or a new or amendment permit application**, provide an accurate description of the disposal site location:

N/A – Not a TLAP

- B. City nearest the disposal site: N/A

- C. County in which the disposal site is located: N/A

- D. For **TLAPs**, describe the routing of effluent from the treatment facility to the disposal site:

N/A – Not a TLAP

- E. For **TLAPs**, please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: N/A

Section 12. Miscellaneous Information (Instructions Page 32)

- A. Is the facility located on or does the treated effluent cross American Indian Land?

- ☐ Yes ☒ No

- B. If the existing permit contains an onsite sludge disposal authorization, is the location of the sewage sludge disposal site in the existing permit accurate?

- ☐ Yes ☐ No ☒ Not Applicable

If No, or if a new onsite sludge disposal authorization is being requested in this permit application, provide an accurate location description of the sewage sludge disposal site.

N/A

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

☒ Yes ☐ No

If yes, list each person formerly employed by the TCEQ who represented your company and was paid for service regarding the application: Kristin Arnold and Alexandra Garoutte, Plummer Associates, Inc.

D. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

If yes, provide the following information:

Account number: N/A

Amount past due: N/A

E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

If yes, please provide the following information:

Enforcement order number: N/A

Amount past due: N/A

Section 13. Attachments (Instructions Page 33)

Indicate which attachments are included with the Administrative Report. Check all that apply:

- ☐ Lease agreement or deed recorded easement, if the land where the treatment facility is located or the effluent disposal site are not owned by the applicant or co-applicant.
- ☒ Original full-size USGS Topographic Map with the following information: See Attachment E
 - Applicant's property boundary
 - Treatment facility boundary
 - Labeled point of discharge for each discharge point (TPDES only)
 - Highlighted discharge route for each discharge point (TPDES only)
 - Onsite sewage sludge disposal site (if applicable)
 - Effluent disposal site boundaries (TLAP only)
 - New and future construction (if applicable)
 - 1 mile radius information
 - 3 miles downstream information (TPDES only)
 - All ponds.
- ☐ Attachment 1 for Individuals as co-applicants
- ☒ Other Attachments. Please specify: See Table of Contents

Section 14. Signature Page (Instructions Page 34)

If co-applicants are necessary, each entity must submit an original, separate signature page.

Permit Number: N/A – New Permit

Applicant: City of Denison

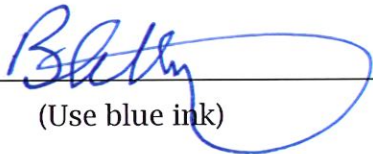
Certification:

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

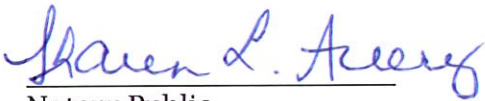
I further certify that I am authorized under 30 Texas Administrative Code § 305.44 to sign and submit this document, and can provide documentation in proof of such authorization upon request.

Signatory name (typed or printed): Bobby Atteberry

Signatory title: Interim City Manager

Signature:  Date: August 26, 2024
(Use blue ink)

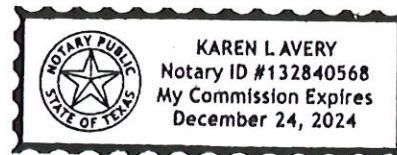
Subscribed and Sworn to before me by the said Interim City Manager - Bobby Atteberry
on this 26th day of August, 2024.
My commission expires on the 24th day of December, 2024.



Notary Public
Karen L. Avery

[SEAL]

Grayson
County, Texas



DOMESTIC WASTEWATER PERMIT APPLICATION

ADMINISTRATIVE REPORT 1.1

The following information is required for new and amendment applications.

Section 1. Affected Landowner Information (Instructions Page 36)

- A. Indicate by a check mark that the landowners map or drawing, with scale, includes the following information, as applicable: See Attachment F
- ☒ The applicant's property boundaries
 - ☒ The facility site boundaries within the applicant's property boundaries
 - ☐ The distance the buffer zone falls into adjacent properties and the property boundaries of the landowners located within the buffer zone
 - ☒ The property boundaries of all landowners surrounding the applicant's property (Note: if the application is a major amendment for a lignite mine, the map must include the property boundaries of all landowners adjacent to the new facility (ponds).)
 - ☒ The point(s) of discharge and highlighted discharge route(s) clearly shown for one mile downstream
 - ☒ The property boundaries of the landowners located on both sides of the discharge route for one full stream mile downstream of the point of discharge
 - ☐ The property boundaries of the landowners along the watercourse for a one-half mile radius from the point of discharge if the point of discharge is into a lake, bay, estuary, or affected by tides
 - ☒ The boundaries of the effluent disposal site (for example, irrigation area or subsurface drainfield site) and all evaporation/holding ponds within the applicant's property
 - ☐ The property boundaries of all landowners surrounding the effluent disposal site
 - ☐ The boundaries of the sludge land application site (for land application of sewage sludge for beneficial use) and the property boundaries of landowners surrounding the applicant's property boundaries where the sewage sludge land application site is located
 - ☐ The property boundaries of landowners within one-half mile in all directions from the applicant's property boundaries where the sewage sludge disposal site (for example, sludge surface disposal site or sludge monofill) is located
- B. ☒ Indicate by a check mark that a separate list with the landowners' names and mailing addresses cross-referenced to the landowner's map has been provided.
- C. Indicate by a check mark in which format the landowners list is submitted:
- ☐ USB Drive
 - ☒ Four sets of labels
- D. Provide the source of the landowners' names and mailing addresses: Grayson CAD
- E. As required by *Texas Water Code § 5.115*, is any permanent school fund land affected by this application?
- ☐ Yes
 - ☒ No

If **yes**, provide the location and foreseeable impacts and effects this application has on the land(s):

N/A

Section 2. Original Photographs (Instructions Page 38)

Provide original ground level photographs. Indicate with checkmarks that the following information is provided. See Attachment G

- ☒ At least one original photograph of the new or expanded treatment unit location
- ☒ At least two photographs of the existing/proposed point of discharge and as much area downstream (photo 1) and upstream (photo 2) as can be captured. If the discharge is to an open water body (e.g., lake, bay), the point of discharge should be in the right or left edge of each photograph showing the open water and with as much area on each respective side of the discharge as can be captured.
- ☐ At least one photograph of the existing/proposed effluent disposal site
- ☒ A plot plan or map showing the location and direction of each photograph

Section 3. Buffer Zone Map (Instructions Page 38)

A. Buffer zone map. Provide a buffer zone map on 8.5 x 11-inch paper with all of the following information. The applicant's property line and the buffer zone line may be distinguished by using dashes or symbols and appropriate labels. N/A – Water Treatment Facility

- The applicant's property boundary;
- The required buffer zone; and
- Each treatment unit; and
- The distance from each treatment unit to the property boundaries.

B. Buffer zone compliance method. Indicate how the buffer zone requirements will be met. Check all that apply. N/A – Water Treatment Facility

- ☐ Ownership
- ☐ Restrictive easement
- ☐ Nuisance odor control
- ☐ Variance

C. Unsuitable site characteristics. Does the facility comply with the requirements regarding unsuitable site characteristic found in 30 TAC § 309.13(a) through (d)?

- ☐ Yes ☐ No N/A – Water Treatment Facility

DOMESTIC WASTEWATER PERMIT APPLICATION

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

This form applies to TPDES permit applications only. Complete and attach the Supplemental Permit information Form (SPIF) (TCEQ Form 20971).

Attachment: H



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

For any questions about this form, please contact the Domestic Wastewater Permitting Team at 512-239-4671.

The following information is required for all renewal, new, and amendment applications.

Section 1. Permitted or Proposed Flows (Instructions Page 43)

A. Existing/Interim I Phase

Design Flow (MGD): 1.45

2-Hr Peak Flow (MGD): N/A

Estimated construction start date: Fall 2024

Estimated waste disposal start date: Fall 2025

B. Interim II Phase

Design Flow (MGD): N/A

2-Hr Peak Flow (MGD): N/A

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

C. Final Phase

Design Flow (MGD): 2.0

2-Hr Peak Flow (MGD): N/A

Estimated construction start date: Fall 2025

Estimated waste disposal start date: Fall 2027

D. Current Operating Phase

Provide the startup date of the facility: 1941

Section 2. Treatment Process (Instructions Page 43)

A. Current Operating Phase

Provide a detailed description of the treatment process. **Include the type of treatment plant, mode of operation, and all treatment units.** Start with the plant's head works and

finish with the point of discharge. Include all sludge processing and drying units. **If more than one phase exists or is proposed, a description of *each phase* must be provided.**

See Attachment I

B. Treatment Units

In Table 1.0(1), provide the treatment unit type, the number of units, and dimensions (length, width, depth) of **each treatment unit, accounting for *all* phases of operation.**

Table 1.0(1) - Treatment Units

Treatment Unit Type	Number of Units	Dimensions (L x W x D)
See Attachment J		

C. Process Flow Diagram

Provide flow diagrams for the existing facilities and **each** proposed phase of construction.

Attachment: K

Section 3. Site Information and Drawing (Instructions Page 44)

Provide the TPDES discharge outfall latitude and longitude. Enter N/A if not applicable.

- Latitude: 33.797242
- Longitude: -96.576767

Provide the TLAP disposal site latitude and longitude. Enter N/A if not applicable.

- Latitude: N/A
- Longitude: N/A

Provide a site drawing for the facility that shows the following:

- The boundaries of the treatment facility;
- The boundaries of the area served by the treatment facility;
- If land disposal of effluent, the boundaries of the disposal site and all storage/holding ponds; and
- If sludge disposal is authorized in the permit, the boundaries of the land application or disposal site.

Attachment: L

Provide the name **and** a description of the area served by the treatment facility.

The Dean Rylant Water Treatment Plant provides drinking water to the City of Denison.

Collection System Information **for wastewater TPDES permits only**: Provide information for each **uniquely owned** collection system, existing and new, served by this facility, including satellite collection systems. **Please see the instructions for a detailed explanation and examples.**

Collection System Information

Collection System Name	Owner Name	Owner Type	Population Served
<u>N/A - Not a Wastewater Treatment Facility</u>		Choose an item.	
		Choose an item.	
		Choose an item.	
		Choose an item.	

Section 4. Unbuilt Phases (Instructions Page 45)

Is the application for a renewal of a permit that contains an unbuilt phase or phases?

☐ Yes ☒ No

If **yes**, does the existing permit contain a phase that has not been constructed **within five years** of being authorized by the TCEQ?

☐ Yes ☒ No

If **yes**, provide a detailed discussion regarding the continued need for the unbuilt phase. **Failure to provide sufficient justification may result in the Executive Director recommending denial of the unbuilt phase or phases.**

N/A

Section 5. Closure Plans (Instructions Page 45)

Have any treatment units been taken out of service permanently, or will any units be taken out of service in the next five years?

☐ Yes ☒ No

If **yes**, was a closure plan submitted to the TCEQ?

☐ Yes ☐ No

If **yes**, provide a brief description of the closure and the date of plan approval.

N/A

Section 6. Permit Specific Requirements (Instructions Page 45)

For applicants with an existing permit, check the Other Requirements or Special Provisions of the permit.

A. Summary transmittal

Have plans and specifications been approved for the existing facilities and each proposed phase?

☐ Yes ☒ No

If **yes**, provide the date(s) of approval for each phase: N/A – New Permit

Provide information, including dates, on any actions taken to meet a *requirement or provision* pertaining to the submission of a summary transmittal letter. **Provide a copy of an approval letter from the TCEQ, if applicable.**

N/A

B. Buffer zones

Have the buffer zone requirements been met?

☐ Yes ☐ No N/A

Provide information below, including dates, on any actions taken to meet the conditions of the buffer zone. If available, provide any new documentation relevant to maintaining the buffer zones.

N/A

C. Other actions required by the current permit

Does the *Other Requirements* or *Special Provisions* section in the existing permit require submission of any other information or other required actions? Examples include Notification of Completion, progress reports, soil monitoring data, etc.

☐ Yes ☐ No N/A - New Permit

If **yes**, provide information below on the status of any actions taken to meet the conditions of an *Other Requirement* or *Special Provision*.

N/A

D. Grit and grease treatment

1. *Acceptance of grit and grease waste*

Does the facility have a grit and/or grease processing facility onsite that treats and decants or accepts transported loads of grit and grease waste that are discharged directly to the wastewater treatment plant prior to any treatment?

☐ Yes ☐ No N/A

If **No**, stop here and continue with Subsection E. Stormwater Management.

2. *Grit and grease processing*

Describe below how the grit and grease waste is treated at the facility. In your description, include how and where the grit and grease is introduced to the treatment works and how it is separated or processed. Provide a flow diagram showing how grit and grease is processed at the facility.

N/A

3. *Grit disposal*

Does the facility have a Municipal Solid Waste (MSW) registration or permit for grit disposal?

☐ Yes ☒ No

If **No**, contact the TCEQ Municipal Solid Waste team at 512-239-2335. Note: A registration or permit is required for grit disposal. Grit shall not be combined with treatment plant sludge. See the instruction booklet for additional information on grit disposal requirements and restrictions.

Describe the method of grit disposal.

N/A

4. Grease and decanted liquid disposal

Note: A registration or permit is required for grease disposal. Grease shall not be combined with treatment plant sludge. For more information, contact the TCEQ Municipal Solid Waste team at 512-239-2335.

Describe how the decant and grease are treated and disposed of after grit separation.

N/A

E. Stormwater management

1. Applicability

Does the facility have a design flow of 1.0 MGD or greater in any phase?

☒ Yes ☐ No

Does the facility have an approved pretreatment program, under 40 CFR Part 403?

☐ Yes ☐ No N/A

If **no to both of the above**, then skip to Subsection F, Other Wastes Received.

2. MSGP coverage

Is the stormwater runoff from the WWTP and dedicated lands for sewage disposal currently permitted under the TPDES Multi-Sector General Permit (MSGP), TXR050000?

☐ Yes ☐ No N/A

If **yes**, please provide MSGP Authorization Number and skip to Subsection F, Other Wastes Received:

TXR05 _ or TXRNE

If **no**, do you intend to seek coverage under TXR050000?

☐ Yes ☐ No N/A

3. Conditional exclusion

Alternatively, do you intend to apply for a conditional exclusion from permitting based TXR050000 (Multi Sector General Permit) Part II B.2 or TXR050000 (Multi Sector General Permit) Part V, Sector T 3(b)?

☐ Yes ☐ No N/A

If **yes**, please explain below then proceed to Subsection F, Other Wastes Received:

N/A

4. Existing coverage in individual permit

Is your stormwater discharge currently permitted through this individual TPDES or TLAP permit?

☐ Yes ☐ No N/A

If yes, provide a description of stormwater runoff management practices at the site that are authorized in the wastewater permit then skip to Subsection F, Other Wastes Received.

N/A

5. Zero stormwater discharge

Do you intend to have no discharge of stormwater via use of evaporation or other means?

☐ Yes ☐ No N/A

If yes, explain below then skip to Subsection F. Other Wastes Received.

N/A

Note: If there is a potential to discharge any stormwater to surface water in the state as the result of any storm event, then permit coverage is required under the MSGP or an individual discharge permit. This requirement applies to all areas of facilities with treatment plants or systems that treat, store, recycle, or reclaim domestic sewage, wastewater or sewage sludge (including dedicated lands for sewage sludge disposal located within the onsite property boundaries) that meet the applicability criteria of above. You have the option of obtaining coverage under the MSGP for direct discharges, (recommended), or obtaining coverage under this individual permit.

6. Request for coverage in individual permit

Are you requesting coverage of stormwater discharges associated with your treatment plant under this individual permit?

☐ Yes ☐ No N/A

If yes, provide a description of stormwater runoff management practices at the site for which you are requesting authorization in this individual wastewater permit and describe whether you intend to comingle this discharge with your treated effluent or discharge it via a separate dedicated stormwater outfall. Please also indicate if you intend to divert stormwater to the treatment plant headworks and indirectly discharge it to water in the state.

N/A

Note: Direct stormwater discharges to waters in the state authorized through this individual permit will require the development and implementation of a stormwater pollution prevention plan (SWPPP) and will be subject to additional monitoring and reporting requirements. Indirect discharges of stormwater via headworks recycling will require compliance with all individual permit requirements including 2-hour peak flow limitations. All stormwater discharge authorization requests will require additional information during the technical review of your application.

F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

☐ Yes ☒ No

If yes, attach a Sewage Sludge Solids Management Plan. See Example 5 in the instructions.

G. Other wastes received including sludge from other WWTPs and septic waste

1. Acceptance of sludge from other WWTPs

Does or will the facility accept sludge from other treatment plants at the facility site?

☐ Yes ☒ No Not a Wastewater Treatment Facility

If yes, attach sewage sludge solids management plan. See Example 5 of the instructions.

In addition, provide the date the plant started or is anticipated to start accepting sludge, an estimate of monthly sludge acceptance (gallons or millions of gallons), an estimate of the BOD₅ concentration of the sludge, and the design BOD₅ concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

N/A

Note: Permits that accept sludge from other wastewater treatment plants may be required to have influent flow and organic loading monitoring.

2. Acceptance of septic waste

Is the facility accepting or will it accept septic waste?

☐ Yes ☒ No Not a Wastewater Treatment Facility

If yes, does the facility have a Type V processing unit?

☐ Yes ☐ No N/A

If yes, does the unit have a Municipal Solid Waste permit?

☐ Yes ☐ No N/A

If **yes to any of the above**, provide the date the plant started or is anticipated to start accepting septic waste, an estimate of monthly septic waste acceptance (gallons or millions of gallons), an estimate of the BOD₅ concentration of the septic waste, and the design BOD₅ concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

N/A

Note: Permits that accept sludge from other wastewater treatment plants may be required to have influent flow and organic loading monitoring.

3. Acceptance of other wastes (not including septic, grease, grit, or RCRA, CERCLA or as discharged by IUs listed in Worksheet 6)

Is or will the facility accept wastes that are not domestic in nature excluding the categories listed above?

☐ Yes ☒ No Not a Wastewater Treatment Facility

If **yes**, provide the date that the plant started accepting the waste, an estimate how much waste is accepted on a monthly basis (gallons or millions of gallons), a description of the entities generating the waste, and any distinguishing chemical or other physical characteristic of the waste. Also note if this information has or has not changed since the last permit action.

N/A

Section 7. Pollutant Analysis of Treated Effluent (Instructions Page 50)

Is the facility in operation?

☒ Yes ☐ No

If **no**, this section is not applicable. Proceed to Section 8.

If **yes**, provide effluent analysis data for the listed pollutants. **Wastewater treatment facilities** complete Table 1.0(2). **Water treatment facilities** discharging filter backwash water, complete Table 1.0(3). Provide copies of the laboratory results sheets. **These tables are not applicable for a minor amendment without renewal.** See the instructions for guidance.

Note: The sample date must be within 1 year of application submission.

Table 1.0(2) – Pollutant Analysis for Wastewater Treatment Facilities

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
CBOD ₅ , mg/l	N/A – Water Treatment Facility				
Total Suspended Solids, mg/l					
Ammonia Nitrogen, mg/l					
Nitrate Nitrogen, mg/l					

Total Kjeldahl Nitrogen, mg/l					
Sulfate, mg/l					
Chloride, mg/l					
Total Phosphorus, mg/l					
pH, standard units					
Dissolved Oxygen*, mg/l					
Chlorine Residual, mg/l					
<i>E.coli</i> (CFU/100ml) freshwater					
Enterococci (CFU/100ml) saltwater					
Total Dissolved Solids, mg/l					
Electrical Conductivity, μ mohs/cm, †					
Oil & Grease, mg/l					
Alkalinity (CaCO ₃)*, mg/l					

*TPDES permits only

†TLAP permits only

Table 1.0(3) – Pollutant Analysis for Water Treatment Facilities

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Total Suspended Solids, mg/l	<u>N/A – The facility will not begin discharging under the proposed permit conditions until permit issuance.</u>				
Total Dissolved Solids, mg/l					
pH, standard units					
	<u>See Attachment A</u>				
Fluoride, mg/l					
Aluminum, mg/l					
Alkalinity (CaCO ₃), mg/l					

Section 8. Facility Operator (Instructions Page 50)

Facility Operator Name: See Attachment M

Facility Operator's License Classification and Level: See Attachment M

Facility Operator's License Number: See Attachment M

Section 9. Sludge and Biosolids Management and Disposal (Instructions Page 51)

A. WWTP's Biosolids Management Facility Type N/A – Water Treatment Facility

Check all that apply. See instructions for guidance

☐ Design flow $\geq$ 1 MGD

- ☐ Serves $\geq 10,000$ people
- ☐ Class I Sludge Management Facility (per 40 CFR § 503.9)
- ☐ Biosolids generator
- ☐ Biosolids end user – land application (onsite)
- ☐ Biosolids end user – surface disposal (onsite)
- ☐ Biosolids end user – incinerator (onsite)

B. WWTP's Biosolids Treatment Process N/A – Water Treatment Facility

Check all that apply. See instructions for guidance.

- ☐ Aerobic Digestion
- ☐ Air Drying (or sludge drying beds)
- ☐ Lower Temperature Composting
- ☐ Lime Stabilization
- ☐ Higher Temperature Composting
- ☐ Heat Drying
- ☐ Thermophilic Aerobic Digestion
- ☐ Beta Ray Irradiation
- ☐ Gamma Ray Irradiation
- ☐ Pasteurization
- ☐ Preliminary Operation (e.g. grinding, de-gritting, blending)
- ☐ Thickening (e.g. gravity thickening, centrifugation, filter press, vacuum filter)
- ☐ Sludge Lagoon
- ☐ Temporary Storage (< 2 years)
- ☐ Long Term Storage (≥ 2 years)
- ☐ Methane or Biogas Recovery
- ☐ Other Treatment Process: N/A

C. Biosolids Management

Provide information on the *intended* biosolids management practice. Do not enter every management practice that you want authorized in the permit, as the permit will authorize all biosolids management practices listed in the instructions. Rather indicate the management practice the facility plans to use.

Biosolids Management

Management Practice	Handler or Preparer Type	Bulk or Bag Container	Amount (dry metric tons)	Pathogen Reduction Options	Vector Attraction Reduction Option
N/A – Not a wastewater treatment facility				Choose an item.	Choose an item.
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.

If “Other” is selected for Management Practice, please explain (e.g. monofill or transport to another WWTP): N/A

D. Disposal site

Disposal site name: N/A

TCEQ permit or registration number: N/A

County where disposal site is located: N/A

E. Transportation method

Method of transportation (truck, train, pipe, other): N/A

Name of the hauler: N/A

Hauler registration number: N/A

Sludge is transported as a:

Liquid ☐

semi-liquid ☐

semi-solid ☐

solid ☐

Section 10. Permit Authorization for Sewage Sludge Disposal (Instructions Page 53)

A. Beneficial use authorization

Does the existing permit include authorization for land application of sewage sludge for beneficial use?

☐ Yes ☐ No N/A – Not a Wastewater Treatment Facility

If yes, are you requesting to continue this authorization to land apply sewage sludge for beneficial use?

☐ Yes ☐ No N/A

If yes, is the completed **Application for Permit for Beneficial Land Use of Sewage Sludge (TCEQ Form No. 10451)** attached to this permit application (see the instructions for details)?

☐ Yes ☐ No N/A

B. Sludge processing authorization

Does the existing permit include authorization for any of the following sludge processing, storage or disposal options? N/A – Not a Wastewater Treatment Facility

Sludge Composting	☐ Yes	☐ No
Marketing and Distribution of sludge	☐ Yes	☐ No
Sludge Surface Disposal or Sludge Monofill	☐ Yes	☐ No
Temporary storage in sludge lagoons	☐ Yes	☐ No

If **yes** to any of the above sludge options and the applicant is requesting to continue this authorization, is the completed **Domestic Wastewater Permit Application: Sewage Sludge Technical Report (TCEQ Form No. 10056)** attached to this permit application?

☐ Yes ☐ No N/A

Section 11. Sewage Sludge Lagoons (Instructions Page 53)

Does this facility include sewage sludge lagoons?

☐ Yes ☐ No N/A – Not a Wastewater Treatment Facility

If yes, complete the remainder of this section. If no, proceed to Section 12.

A. Location information

The following maps are required to be submitted as part of the application. For each map, provide the Attachment Number.

- Original General Highway (County) Map:
Attachment: N/A
- USDA Natural Resources Conservation Service Soil Map:
Attachment: N/A
- Federal Emergency Management Map:
Attachment: N/A
- Site map:
Attachment: N/A

Discuss in a description if any of the following exist within the lagoon area. Check all that apply.

- ☐ Overlap a designated 100-year frequency flood plain
- ☐ Soils with flooding classification
- ☐ Overlap an unstable area
- ☐ Wetlands
- ☐ Located less than 60 meters from a fault
- ☐ None of the above

Attachment: N/A

If a portion of the lagoon(s) is located within the 100-year frequency flood plain, provide the protective measures to be utilized including type and size of protective structures:

N/A

B. Temporary storage information

Provide the results for the pollutant screening of sludge lagoons. These results are in addition to pollutant results in *Section 7 of Technical Report 1.0*.

Nitrate Nitrogen, mg/kg: N/A

Total Kjeldahl Nitrogen, mg/kg: N/A

Total Nitrogen (=nitrate nitrogen + TKN), mg/kg: N/A

Phosphorus, mg/kg: N/A

Potassium, mg/kg: N/A

pH, standard units: N/A

Ammonia Nitrogen mg/kg: N/A

Arsenic: N/A

Cadmium: N/A

Chromium: N/A

Copper: N/A

Lead: N/A

Mercury: N/A

Molybdenum: N/A

Nickel: N/A

Selenium: N/A

Zinc: N/A

Total PCBs: N/A

Provide the following information:

Volume and frequency of sludge to the lagoon(s): N/A

Total dry tons stored in the lagoons(s) per 365-day period: N/A

Total dry tons stored in the lagoons(s) over the life of the unit: N/A

C. Liner information

Does the active/proposed sludge lagoon(s) have a liner with a maximum hydraulic conductivity of 1×10^{-7} cm/sec?

☐ Yes ☐ No N/A

If yes, describe the liner below. Please note that a liner is required.

N/A

D. Site development plan

Provide a detailed description of the methods used to deposit sludge in the lagoon(s):

N/A

Attach the following documents to the application.

- Plan view and cross-section of the sludge lagoon(s)
Attachment: N/A
- Copy of the closure plan
Attachment: N/A
- Copy of deed recordation for the site
Attachment: N/A
- Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons
Attachment: N/A
- Description of the method of controlling infiltration of groundwater and surface water from entering the site
Attachment: N/A
- Procedures to prevent the occurrence of nuisance conditions
Attachment: N/A

E. Groundwater monitoring

Is groundwater monitoring currently conducted at this site, or are any wells available for groundwater monitoring, or are groundwater monitoring data otherwise available for the sludge lagoon(s)?

☐ Yes ☐ No N/A

If groundwater monitoring data are available, provide a copy. Provide a profile of soil types encountered down to the groundwater table and the depth to the shallowest groundwater as a separate attachment.

Attachment: N/A

Section 12. Authorizations/Compliance/Enforcement (Instructions

A. Additional authorizations

Does the permittee have additional authorizations for this facility, such as reuse authorization, sludge permit, etc?

☒ Yes ☐ No

If yes, provide the TCEQ authorization number and description of the authorization:

Public water system/supply No. 091003. Water Treatment Plant Registration No. 730457, which authorizes the land application of water treatment plant residuals at a rate of 40 dry tons per year.

B. Permittee enforcement status

Is the permittee currently under enforcement for this facility?

☐ Yes ☒ No

Is the permittee required to meet an implementation schedule for compliance or enforcement?

☐ Yes ☒ No

If yes to either question, provide a brief summary of the enforcement, the implementation schedule, and the current status:

N/A

Section 13. RCRA/CERCLA Wastes (Instructions Page 55)

A. RCRA hazardous wastes

Has the facility received in the past three years, does it currently receive, or will it receive RCRA hazardous waste?

☐ Yes ☒ No Not a Wastewater Treatment Facility

B. Remediation activity wastewater

Has the facility received in the past three years, does it currently receive, or will it receive CERCLA wastewater, RCRA remediation/corrective action wastewater or other remediation activity wastewater?

☐ Yes ☒ No Not a Wastewater Treatment Facility

C. Details about wastes received

If yes to either Subsection A or B above, provide detailed information concerning these wastes with the application.

Attachment: N/A

Section 14. Laboratory Accreditation (Instructions Page 56)

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

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

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

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

CERTIFICATION:

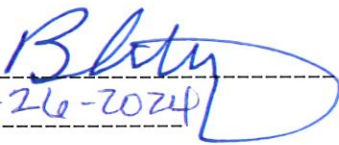
I certify that all laboratory tests submitted with this application meet the requirements of *30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification*.

Printed Name: Bobby Atteberry

Title: Interim City Manager

Signature: _____

Date: _____


8-26-2024

DOMESTIC WASTEWATER PERMIT APPLICATION

TECHNICAL REPORT 1.1

The following information is required for new and amendment major applications.

Section 1. Justification for Permit (Instructions Page 57)

A. Justification of permit need

Provide a detailed discussion regarding the need for any phase(s) not currently permitted. Failure to provide sufficient justification may result in the Executive Director recommending denial of the proposed phase(s) or permit.

See Attachment N

B. Regionalization of facilities

For additional guidance, please review [TCEQ's Regionalization Policy for Wastewater Treatment](#)¹.

Provide the following information concerning the potential for regionalization of domestic wastewater treatment facilities:

1. *Municipally incorporated areas*

If the applicant is a city, then Item 1 is not applicable. Proceed to Item 2 Utility CCN areas.

Is any portion of the proposed service area located in an incorporated city?

☐ Yes ☐ No ☒ Not Applicable

If yes, within the city limits of: N/A

If yes, attach correspondence from the city.

Attachment: N/A

If consent to provide service is available from the city, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the city versus the cost of the proposed facility or expansion attached.

Attachment: N/A

2. *Utility CCN areas*

Is any portion of the proposed service area located inside another utility's CCN area?

☐ Yes ☐ No N/A

¹ <https://www.tceq.texas.gov/permitting/wastewater/tceq-regionalization-for-wastewater>

If **yes**, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the CCN facilities versus the cost of the proposed facility or expansion.

Attachment: N/A

3. *Nearby WWTPs or collection systems*

Are there any domestic permitted wastewater treatment facilities or collection systems located within a three-mile radius of the proposed facility?

☐ Yes ☐ No N/A – Not a Wastewater Treatment Facility

If **yes**, attach a list of these facilities and collection systems that includes each permittee's name and permit number, and an area map showing the location of these facilities and collection systems.

Attachment: N/A

If **yes**, attach proof of mailing a request for service to each facility and collection system, the letters requesting service, and correspondence from each facility and collection system.

Attachment: N/A

If the facility or collection system agrees to provide service, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the facility or collection system versus the cost of the proposed facility or expansion.

Attachment: N/A

Section 2. Proposed Organic Loading (Instructions Page 59)

Is this facility in operation?

☒ Yes ☐ No

If **no**, proceed to Item B, Proposed Organic Loading.

If **yes**, provide organic loading information in Item A, Current Organic Loading

A. Current organic loading

Facility Design Flow (flow being requested in application): N/A – Not a Wastewater Treatment Facility

Average Influent Organic Strength or BOD₅ Concentration in mg/l: N/A

Average Influent Loading (lbs/day = total average flow X average BOD₅ conc. X 8.34): N/A

Provide the source of the average organic strength or BOD₅ concentration.

N/A – Not a Wastewater Treatment Facility

B. Proposed organic loading

This table must be completed if this application is for a facility that is not in operation or if this application is to request an increased flow that will impact organic loading.

Table 1.1(1) – Design Organic Loading

Source	Total Average Flow (MGD)	Influent BOD ₅ Concentration (mg/l)
Municipality		
Subdivision		
Trailer park – transient		
Mobile home park		
School with cafeteria and showers		
School with cafeteria, no showers		
Recreational park, overnight use		
Recreational park, day use		
Office building or factory		
Motel		
Restaurant		
Hospital		
Nursing home		
Other		
TOTAL FLOW from all sources	<u>N/A – Not a wastewater treatment facility</u>	
AVERAGE BOD ₅ from all sources		

Section 3. Proposed Effluent Quality and Disinfection (Instructions Page 59)

A. Existing/Interim I Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: N/A

Total Suspended Solids, mg/l: 25

Ammonia Nitrogen, mg/l: N/A

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: N/A

Other: N/A

B. Interim II Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: N/A

Total Suspended Solids, mg/l: 25

Ammonia Nitrogen, mg/l: N/A

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: N/A

Other: N/A

C. Final Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: N/A

Total Suspended Solids, mg/l: 25

Ammonia Nitrogen, mg/l: N/A

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: N/A

Other: N/A

D. Disinfection Method

Identify the proposed method of disinfection.

☐ Chlorine: mg/l after minutes detention time at peak flow

Dechlorination process:

☐ Ultraviolet Light: seconds contact time at peak flow

☐ Other: N/A – Not a Wastewater Treatment Facility

Section 4. Design Calculations (Instructions Page 59)

Attach design calculations and plant features for each proposed phase. Example 4 of the instructions includes sample design calculations and plant features.

Attachment: N/A – Not a Wastewater Treatment Facility

Section 5. Facility Site (Instructions Page 60)

A. 100-year floodplain

Will the proposed facilities be located above the 100-year frequency flood level?

☒ Yes ☐ No

If no, describe measures used to protect the facility during a flood event. Include a site map showing the location of the treatment plant within the 100-year frequency flood level. If applicable, provide the size and types of protective structures.

N/A

Provide the source(s) used to determine 100-year frequency flood plain.

FEMA Firm Panel No. 48181C0165F

For a new or expansion of a facility, will a wetland or part of a wetland be filled?

☐ Yes ☒ No

If **yes**, has the applicant applied for a US Corps of Engineers 404 Dredge and Fill Permit?

☐ Yes ☐ No N/A

If **yes**, provide the permit number: N/A

If **no**, provide the approximate date you anticipate submitting your application to the Corps: N/A

B. Wind rose

Attach a wind rose: Attachment N

Section 6. Permit Authorization for Sewage Sludge Disposal (Instructions Page 60)

A. Beneficial use authorization N/A - Not a Wastewater Treatment Facility

Are you requesting to include authorization to land apply sewage sludge for beneficial use on property located adjacent to the wastewater treatment facility under the wastewater permit?

☐ Yes ☒ No

If **yes**, attach the completed **Application for Permit for Beneficial Land Use of Sewage Sludge (TCEQ Form No. 10451)**: N/A

B. Sludge processing authorization

Identify the sludge processing, storage or disposal options that will be conducted at the wastewater treatment facility:

- | | |
|---|---|
| ☐ Sludge Composting | <u>Water Treatment Plant Registration No. 730457, which authorizes the land application of water treatment plant residuals at a rate of 40 dry tons per year.</u> |
| ☐ Marketing and Distribution of sludge | |
| ☐ Sludge Surface Disposal or Sludge Monofill | |

If **any of the above**, sludge options are selected, attach the completed **Domestic Wastewater Permit Application: Sewage Sludge Technical Report (TCEQ Form No. 10056)**: N/A

Section 7. Sewage Sludge Solids Management Plan (Instructions Page 61)

Attach a solids management plan to the application.

Attachment: N/A - Not a Wastewater Treatment Facility

The sewage sludge solids management plan must contain the following information:

- Treatment units and processes dimensions and capacities

- Solids generated at 100, 75, 50, and 25 percent of design flow
- Mixed liquor suspended solids operating range at design and projected actual flow
- Quantity of solids to be removed and a schedule for solids removal
- Identification and ownership of the ultimate sludge disposal site
- For facultative lagoons, design life calculations, monitoring well locations and depths, and the ultimate disposal method for the sludge from the facultative lagoon

An example of a sewage sludge solids management plan has been included as Example 5 of the instructions.

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 2.0: RECEIVING WATERS

The following information is required for all TPDES permit applications.

Section 1. Domestic Drinking Water Supply (Instructions Page 64)

Is there a surface water intake for domestic drinking water supply located within 5 miles downstream from the point or proposed point of discharge?

☐ Yes ☒ No

If **no**, proceed to Section 2. If **yes**, provide the following:

Owner of the drinking water supply: N/A

Distance and direction to the intake: N/A

Attach a USGS map that identifies the location of the intake.

Attachment: N/A

Section 2. Discharge into Tidally Affected Waters (Instructions Page 64)

Does the facility discharge into tidally affected waters?

☐ Yes ☒ No

If **no**, proceed to Section 3. If **yes**, complete the remainder of this section. If no, proceed to Section 3.

A. Receiving water outfall

Width of the receiving water at the outfall, in feet: N/A

B. Oyster waters

Are there oyster waters in the vicinity of the discharge?

☐ Yes ☒ No

If **yes**, provide the distance and direction from outfall(s).

N/A

C. Sea grasses

Are there any sea grasses within the vicinity of the point of discharge?

☐ Yes ☒ No

If **yes**, provide the distance and direction from the outfall(s).

N/A

Section 3. Classified Segments (Instructions Page 64)

Is the discharge directly into (or within 300 feet of) a classified segment?

☐ Yes ☒ No

If **yes**, this Worksheet is complete.

If **no**, complete Sections 4 and 5 of this Worksheet.

Section 4. Description of Immediate Receiving Waters (Instructions Page 65)

Name of the immediate receiving waters: Unnamed Tributary of Shawnee Creek

A. Receiving water type

Identify the appropriate description of the receiving waters.

☒ Stream

☐ Freshwater Swamp or Marsh

☐ Lake or Pond

Surface area, in acres: N/A

Average depth of the entire water body, in feet: N/A

Average depth of water body within a 500-foot radius of discharge point, in feet: N/A

☐ Man-made Channel or Ditch

☐ Open Bay

☐ Tidal Stream, Bayou, or Marsh

☐ Other, specify: N/A

B. Flow characteristics

If a stream, man-made channel or ditch was checked above, provide the following. For existing discharges, check one of the following that best characterizes the area *upstream* of the discharge. For new discharges, characterize the area *downstream* of the discharge (check one).

☒ Intermittent - dry for at least one week during most years

☐ Intermittent with Perennial Pools - enduring pools with sufficient habitat to maintain significant aquatic life uses

☐ Perennial - normally flowing

Check the method used to characterize the area upstream (or downstream for new dischargers).

☒ USGS flow records

☐ Historical observation by adjacent landowners

☒ Personal observation

☐ Other, specify: N/A

C. Downstream perennial confluences

List the names of all perennial streams that join the receiving water within three miles downstream of the discharge point.

Shawnee Creek and Red River.

D. Downstream characteristics

Do the receiving water characteristics change within three miles downstream of the discharge (e.g., natural or man-made dams, ponds, reservoirs, etc.)?

☒ Yes ☐ No

If yes, discuss how.

The intermittent stream enters Shawnee Creek within 0.32 miles. Shawnee Creek is influenced by dam spillway from Randell Lake and overflow spillway from Lake Texoma. 1.85 miles downstream Shawnee Creek enters Red River, a classified segment, immediately downstream of Lake Texoma dam.

E. Normal dry weather characteristics

Provide general observations of the water body during normal dry weather conditions.

Natural streambed with low flow, heavily vegetated banks and canopy.

Date and time of observation: 7/26/2024; 9:30 A.M.

Was the water body influenced by stormwater runoff during observations?

☐ Yes ☒ No

Section 5. General Characteristics of the Waterbody (Instructions Page 66)

A. Upstream influences

Is the immediate receiving water upstream of the discharge or proposed discharge site influenced by any of the following? Check all that apply. N/A

- | | |
|---|--|
| ☐ Oil field activities | ☐ Urban runoff |
| ☐ Upstream discharges | ☐ Agricultural runoff |
| ☐ Septic tanks | ☐ Other(s), specify: |

B. Waterbody uses

Observed or evidences of the following uses. Check all that apply. N/A

- | | |
|--|--|
| ☐ Livestock watering | ☐ Contact recreation |
| ☐ Irrigation withdrawal | ☐ Non-contact recreation |
| ☐ Fishing | ☐ Navigation |
| ☐ Domestic water supply | ☐ Industrial water supply |
| ☐ Park activities | ☐ Other(s), specify: |

C. Waterbody aesthetics

Check one of the following that best describes the aesthetics of the receiving water and the surrounding area.

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

**CITY OF DENISON
DEAN RYLANT WATER TREATMENT PLANT
NEW TPDES PERMIT APPLICATION**

TABLE OF ATTACHMENTS

<u>No.</u>	<u>Description</u>	<u>Reference</u>
A	Permit Justification	Admin Rpt 1.0, Item 2.a,e; Tech Rpt 1.0, Item 7; Tech Rpt 1.1,
B	Core Data Form	Admin Rpt 1.0, Item 4
C	Plain Language Summary	Admin Rpt 1.0, Item 8.f
D	Public Involvement Plan	Admin Rpt 1.0, Item 8.g
E	USGS Topographic Map	Admin Rpt 1.0, Item 13
F	Affected Landowners	Admin Rpt 1.1, Item 1.a
G	Original Photographs	Admin Rpt 1.1, Item 2
H	Supplemental Permit Information Form	SPIF
I	Treatment Process Description	Tech Rpt 1.0, Item 2.a
J	List of Treatment Units	Tech Rpt 1.0, Item 2.b
K	Process Flow Diagram	Tech Rpt 1.0, Item 2.c
L	Site Drawing	Tech Rpt 1.0, Item 3
M	List of Facility Operators	Tech Rpt 1.0, Item 8
N	Wind Rose	Tech Rpt 1.1, Item 5.B
O	ePay Voucher	Admin Rpt 1.0, Item 1

ATTACHMENT A

Permit Justification

Admin Rpt 1.0, Item 2.a,e; Tech Rpt 1.0, Item 7; Tech Rpt 1.1, Item 1.a

**ATTACHMENT A
CITY OF DENISON
DEAN RYLANT WATER TREATMENT PLANT
NEW TPDES PERMIT APPLICATION
JUSTIFICATION OF PERMIT NEED**

The City of Denison (City) sources potable water from Randell Lake and Lake Texoma. The City's increasing water demands have necessitated an increase in the use of Lake Texoma as a water supply source, which has a higher dissolved salt content than Randell Lake. As the demand continues to increase, the City must integrate salt reduction into the treatment process to continue to provide superior water quality to its customers. The proposed salt removal technology utilizes ultrafiltration membranes (low pressure membranes). A subsequent phase, not included in this permit application, will include reverse osmosis (RO) membranes, which will be permitted under a separate industrial wastewater permitting program in the future.

Currently, the City's Dean Rylant WTP operates using conventional treatment technology and discharges decanted waste sludge blowdown and filter backwash under WTP General Permit No. TXG640000. In accordance with 30 TAC §290.42(g), waste streams generated as a result of alternative/innovative treatment (ultrafiltration) is not authorized under WTP General Permit No. TXG640000.

With the addition of alternative/innovative treatment (ultrafiltration membranes), Dean Rylant WTP would no longer qualify for coverage under the WTP General Permit No. TXG640000. Therefore, the City is required to obtain coverage under an individual Texas Pollutant Discharge Elimination System (TPDES) domestic discharge permit. Upon permit issuance, the City will begin discharging under the conditions proposed in this application.

ATTACHMENT B

**Core Data Form
Admin Rpt 1.0, Item 4**



TCEQ Core Data Form

For detailed instructions on completing this form, please read the Core Data Form Instructions or call 512-239-5175.

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
☒ New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
☐ Renewal (Core Data Form should be submitted with the renewal form)	☐ Other	
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN 600457428		RN 101421337

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)			
☐ New Customer ☐ Update to Customer Information ☐ Change in Regulated Entity Ownership ☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)					
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>					
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)				<i>If new Customer, enter previous Customer below:</i>	
City of Denison					
7. TX SOS/CPA Filing Number		8. TX State Tax ID (11 digits)		9. Federal Tax ID (9 digits) 75-6000513	10. DUNS Number (if applicable)
11. Type of Customer:		☐ Corporation		☐ Individual	Partnership: ☐ General ☐ Limited
Government: ☒ City ☐ County ☐ Federal ☐ Local ☐ State ☐ Other		☐ Sole Proprietorship		☐ Other:	
12. Number of Employees				13. Independently Owned and Operated?	
☐ 0-20 ☐ 21-100 ☐ 101-250 ☒ 251-500 ☐ 501 and higher				☐ Yes ☒ No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following					
☐ Owner ☐ Operator ☒ Owner & Operator ☐ Other: ☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant					
15. Mailing Address:	P.O. Box 347				
	City	Denison	State	TX	ZIP 75021 ZIP + 4 0347
16. Country Mailing Information (if outside USA)				17. E-Mail Address (if applicable)	
				epariera@denisontx.gov	

18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)
(903) 465-2720	2442	() -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity' is selected, a new permit application is also required.)								
☐ New Regulated Entity ☐ Update to Regulated Entity Name ☐ Update to Regulated Entity Information								
<i>The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).</i>								
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)								
Dean Rylant Water Treatment Plant								
23. Street Address of the Regulated Entity: (No PO Boxes)	4631 Randell Lake Rd							
	City	Denison	State	TX	ZIP	75020	ZIP + 4	1937
24. County	Grayson							

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

25. Description to Physical Location:								
26. Nearest City						State	Nearest ZIP Code	
<i>Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).</i>								
27. Latitude (N) In Decimal:						28. Longitude (W) In Decimal:		
Degrees	Minutes		Seconds		Degrees	Minutes		Seconds
29. Primary SIC Code	30. Secondary SIC Code		31. Primary NAICS Code			32. Secondary NAICS Code		
(4 digits)	(4 digits)		(5 or 6 digits)			(5 or 6 digits)		
4941	3589		221310			924110		
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)								
Drinking water treatment plant.								
34. Mailing Address:	P.O. Box 347							
	City	Denison	State	TX	ZIP	75021	ZIP + 4	347
35. E-Mail Address:	epariera@denisontx.gov							
36. Telephone Number	37. Extension or Code		38. Fax Number (if applicable)					
(903) 465-2720	2442		() -					

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.

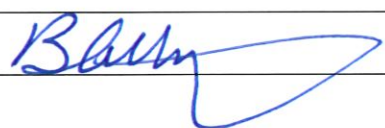
☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☒ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:
	TXG640010			

SECTION IV: Preparer Information

40. Name:	Alexandra Garoutte	41. Title:	Scientist in Training II
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(512) 452-5905		() -	agaroutte@plummer.com

SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	City of Denison	Job Title:	Interim City Manager
Name (In Print):	Bobby Atteberry	Phone:	(903) 465- 2720
Signature:		Date:	8/26/24

ATTACHMENT C

**Plain Language Summary
Admin Rpt 1.0, Item 8.f**



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 DOMESTIC WASTEWATER/STORMWATER

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

The City of Denison (CN600457428) operates Dean Rylant Water Treatment Plant (RN101421337), a drinking water treatment facility. The facility is located at 4631 Randell Lake Road, in Denison, Grayson County, Texas 75020. This application is for a permit to discharge treated wastewater at a volume of 2,000,000 gallons per day via Outfall 001.

Discharges from the facility are expected to contain total suspended solids. Surface water is treated by two solids contact clarifiers, a clari-flocculator, dual-media filters, two clear wells, chlorination, eight ultrafiltration membrane skids, and four storage ponds.

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

AGUAS RESIDUALES DOMESTICAS /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 Denison (CN600457428) opera la planta de tratamiento de agua Dean Rylant (RN101421337), un instalación de tratamiento de agua potable. La instalación está ubicada en 4631 Randell Lake Road, en Denison, Condado de Grayson, Texas 75020. Esta solicitud es para un permiso para descargar aguas residuales tratadas en un volumen de 2,000,000 galones por día a través del Emisario 001.

Se espera que las descargas de la instalación contengan solidos totalmente suspendidos. Superficie del agua está tratado por dos clarificadores de contacto de sólidos, un clarifloculador, filtros de doble medio, dos pozos transparentes, cloración, ocho plataformas de membrana de ultrafiltración y cuatro estanques de almacenamiento.

ATTACHMENT D

**Public Involvement Plan
Admin Rpt 1.0, Item 8.g**



Texas Commission on Environmental Quality

Public Involvement Plan Form for Permit and Registration Applications

The Public Involvement Plan is intended to provide applicants and the agency with information about how public outreach will be accomplished for certain types of applications in certain geographical areas of the state. It is intended to apply to new activities; major changes at existing plants, facilities, and processes; and to activities which are likely to have significant interest from the public. This preliminary screening is designed to identify applications that will benefit from an initial assessment of the need for enhanced public outreach.

All applicable sections of this form should be completed and submitted with the permit or registration application. For instructions on how to complete this form, see TCEQ-20960-inst.

Section 1. Preliminary Screening

- ☒ New Permit or Registration Application
☐ New Activity - modification, registration, amendment, facility, etc. (see instructions)

If neither of the above boxes are checked, completion of the form is not required and does not need to be submitted.

Section 2. Secondary Screening

- ☒ Requires public notice,
☐ Considered to have significant public interest, and
☐ Located within any of the following geographical locations:

- Austin
- Dallas
- Fort Worth
- Houston
- San Antonio
- West Texas
- Texas Panhandle
- Along the Texas/Mexico Border
- Other geographical locations should be decided on a case-by-case basis

**If all the above boxes are not checked, a Public Involvement Plan is not necessary.
Stop after Section 2 and submit the form.**

- ☒ Public Involvement Plan not applicable to this application. Provide **brief** explanation.

The Dean Rylant Water Treatment Plant is not considered to have significant public interest and is not located within any of the geographical locations listed above. Therefore, the Public Involvement Plan is not applicable.

Section 3. Application Information

Type of Application (check all that apply):

Air ☐ Initial ☐ Federal ☐ Amendment ☐ Standard Permit ☐ Title V
Waste ☐ Municipal Solid Waste ☐ Industrial and Hazardous Waste ☐ Scrap Tire
☐ Radioactive Material Licensing ☐ Underground Injection Control

Water Quality

☐ Texas Pollutant Discharge Elimination System (TPDES)
☐ Texas Land Application Permit (TLAP)
☐ State Only Concentrated Animal Feeding Operation (CAFO)
☐ Water Treatment Plant Residuals Disposal Permit
☐ Class B Biosolids Land Application Permit
☐ Domestic Septage Land Application Registration

Water Rights New Permit

☐ New Appropriation of Water
☐ New or existing reservoir

Amendment to an Existing Water Right

☐ Add a New Appropriation of Water
☐ Add a New or Existing Reservoir
☐ Major Amendment that could affect other water rights or the environment

Section 4. Plain Language Summary

Provide a brief description of planned activities.

Section 5. Community and Demographic Information

Community information can be found using EPA's EJ Screen, U.S. Census Bureau information, or generally available demographic tools.

Information gathered in this section can assist with the determination of whether alternative language notice is necessary. Please provide the following information.

(City)

(County)

(Census Tract)

Please indicate which of these three is the level used for gathering the following information.

☐

City

☐

County

☐

Census Tract

(a) Percent of people over 25 years of age who at least graduated from high school

(b) Per capita income for population near the specified location

(c) Percent of minority population and percent of population by race within the specified location

(d) Percent of Linguistically Isolated Households by language within the specified location

(e) Languages commonly spoken in area by percentage

(f) Community and/or Stakeholder Groups

(g) Historic public interest or involvement

Section 6. Planned Public Outreach Activities

(a) Is this application subject to the public participation requirements of Title 30 Texas Administrative Code (30 TAC) Chapter 39?

☐ Yes ☐ No

(b) If yes, do you intend at this time to provide public outreach other than what is required by rule?

☐ Yes ☐ No

If Yes, please describe.

If you answered "yes" that this application is subject to 30 TAC Chapter 39, answering the remaining questions in Section 6 is not required.

(c) Will you provide notice of this application in alternative languages?

☐ Yes ☐ No

Please refer to Section 5. If more than 5% of the population potentially affected by your application is Limited English Proficient, then you are required to provide notice in the alternative language.

If yes, how will you provide notice in alternative languages?

- ☐ Publish in alternative language newspaper
- ☐ Posted on Commissioner's Integrated Database Website
- ☐ Mailed by TCEQ's Office of the Chief Clerk
- ☐ Other (specify)

(d) Is there an opportunity for some type of public meeting, including after notice?

☐ Yes ☐ No

(e) If a public meeting is held, will a translator be provided if requested?

☐ Yes ☐ No

(f) Hard copies of the application will be available at the following (check all that apply):

- ☐ TCEQ Regional Office ☐ TCEQ Central Office
- ☐ Public Place (specify)

Section 7. Voluntary Submittal

For applicants voluntarily providing this Public Involvement Plan, who are not subject to formal public participation requirements.

Will you provide notice of this application, including notice in alternative languages?

☐ Yes ☐ No

What types of notice will be provided?

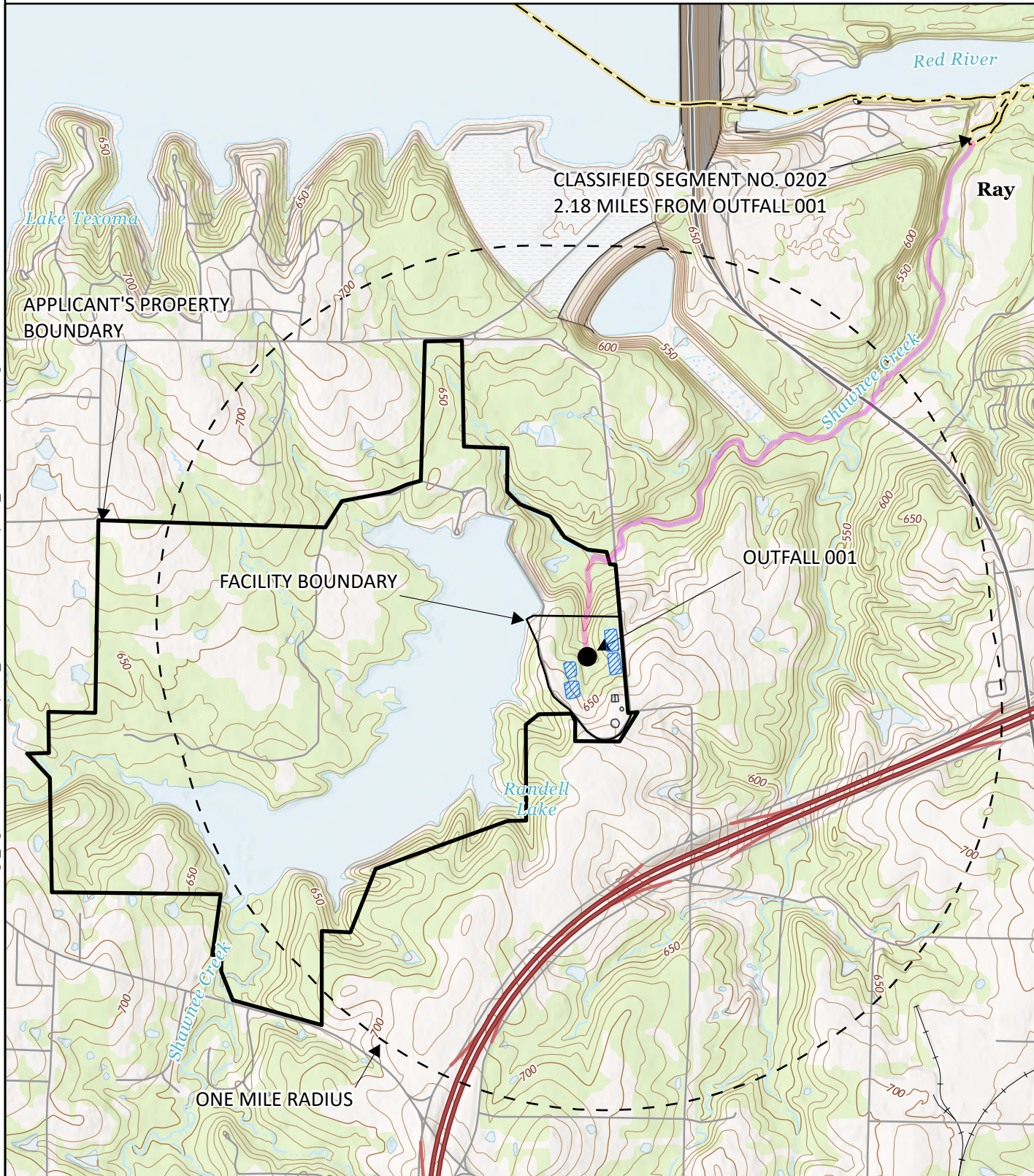
- ☐ Publish in alternative language newspaper
- ☐ Posted on Commissioner's Integrated Database Website
- ☐ Mailed by TCEQ's Office of the Chief Clerk
- ☐ Other (specify)

ATTACHMENT E

**USGS Topographic Map
Admin Rpt 1.0, Item 13**



PLUMMER



On-Site Holding Ponds

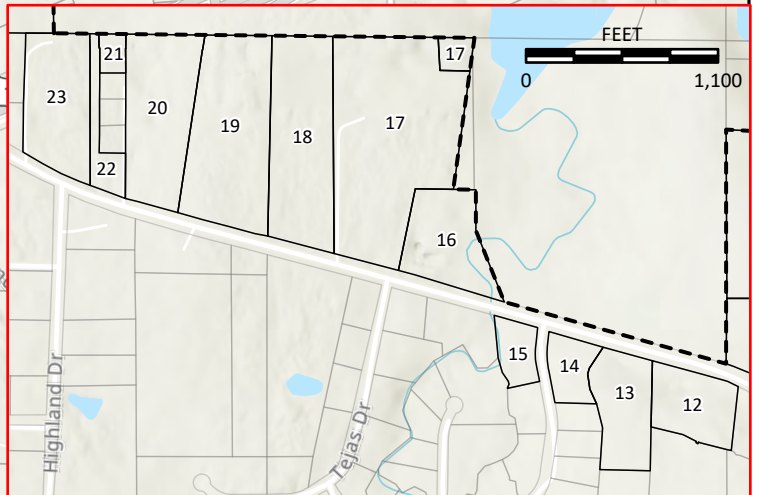
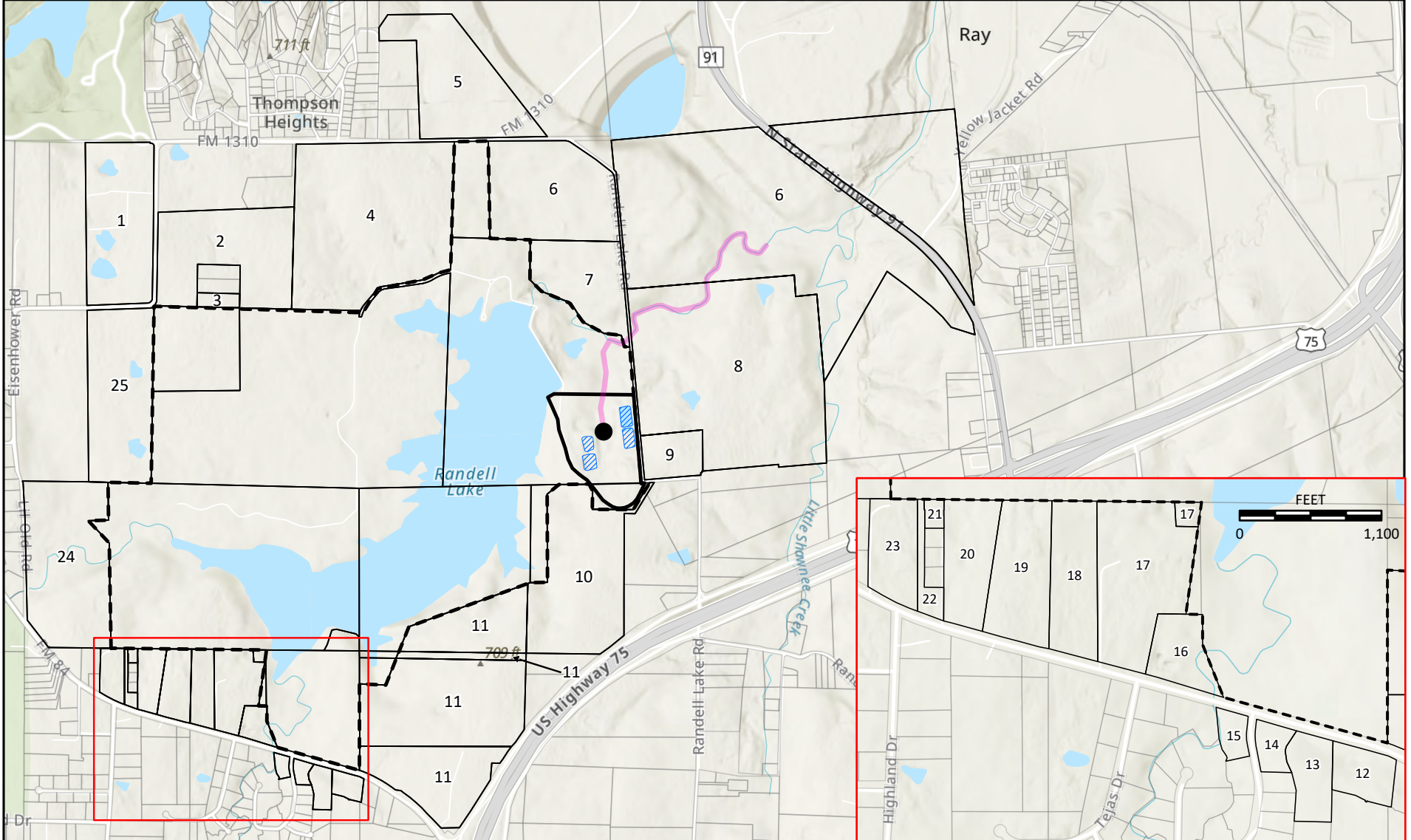
ATTACHMENT E
CITY OF DENISON
DEAN RYLANT WATER TREATMENT PLANT
NEW TPDES PERMIT APPLICATION
USGS MAP

ATTACHMENT F

**Affected Landowners
Admin Rpt 1.1, Item 1.a**



PLUMMER



- Outfall 001
- One Mile Discharge Route
- Applicants Property Boundary
- Affected Landowners
- Grayson County Parcels
- ▨ On-Site Holding Ponds

ATTACHMENT F.1
CITY OF DENISON
DEAN RYLANT WATER TREATMENT PLANT
NEW TPDES PERMIT APPLICATION
AFFECTED LANDOWNERS MAP

Note: See Attachment F.2 for cross-referenced list of landowners and their mailing addresses.

**ATTACHMENT F.2
CITY OF DENISON
DEAN RYLANT WATER TREATMENT FACILITY
NEW TPDES PERMIT APPLICATION
AFFECTED LANDOWNERS LIST**

MAP ID	LANDOWNER NAME	MAILING ADDRESS
1	1477 LLC	186 FOSSIL RIDGE DRIVE DENISON TX 75020
2	OSHO SANGH LP	6850 TPC DRIVE SUITE 108 MCKINNEY TX 75070
3	MEDITATIVE MINDFULNESS INC	6850 TPC DRIVE SUITE 108 MCKINNEY TX 75070
4	LJH CIRCLE H RANCH LLC	2141 PARK RD 20 DENISON TX 75020
5	JEWELL 57 LLC	2141 PARK RD 20 DENISON TX 75020
6	U S A	WASHINGTON DC 0
7	BARNES DIANE	5585 RANDELL LAKE RD DENISON TX 75020
8	WILSON DIANE & EVANS DONNA	5916 BURGANDY ST PLANO TX 75093
9	DOTY JC III AND MEREDITH GAIL DOTY	4500 RANDELL LAKE ROAD DENISON TX 75020
10	DENISON LAKESIDE PROPERTIES	120 E FM 544 STE 72 PMB 358 MURPHY TX 75094
11	BUSINESS & INDUSTRIAL CORP OF DENISON INC DBA DENISON DEVELOPMENT ALLIANCE	311 W WOODARD ST DENISON TX 75020
12	MCDONALD MICHAEL SCOTT ETUX KATHARINE R	3616 FM 84 DENISON TX 75020
13	PITTMAN DAVID GEORGE ETUX BETTE ANN	3864 FM HWY 84 DENISON TX 75020
14	BONE JERRI	72 COUSHATTA DR DENISON TX 75020
15	BUSH RONALD W ETUX MARY L	43 COUSHATTA DR DENISON TX 75020
16	ROLLINS KYE J ETUX WENDY L	PO BOX 1217 DENISON TX 75021
17	ALBRITTON BENJAMIN J	4639 HWY 84 NORTH DENISON TX 75020
18	ALBRITTON BENJAMIN J ETUX ELIZABETH TUCKER	PO BOX 12445 DALLAS TX 75225
19	ROBINSON YVETTE L ETVIR MARK L	4741 FM 84 DENISON TX 75020

**ATTACHMENT F.2
CITY OF DENISON
DEAN RYLANT WATER TREATMENT FACILITY
NEW TPDES PERMIT APPLICATION
AFFECTED LANDOWNERS LIST**

MAP ID	LANDOWNER NAME	MAILING ADDRESS
20	FARMER LOLA	4877 FM 84 DENISON TX 75020
21	EMBRY RONNIE A	4901 FM 84 DENISON TX 75020
22	EMBRY RONNIE A ETUX JUDITH K	4902 FM 84 DENISON TX 75020
23	FAITH ASSEMBLY OF GOD CHURCH	5019 FM 84 DENISON TX 75020
24	DREAMY GRASSHOPPERS LLC	6663 DELEON ST IRVING TX 75039
25	EISENHOWER RANCHES LLC	700 W WASHINGTON SHERMAN TX 75092

1477 LLC
186 FOSSIL RIDGE DRIVE
DENISON TX 75020

OSHO SANGH LP
6850 TPC DRIVE SUITE 108
MCKINNEY TX 75070

MEDITATIVE MINDFULNESS INC
6850 TPC DRIVE SUITE 108
MCKINNEY TX 75070

LJH CIRCLE H RANCH LLC
2141 PARK RD 20
DENISON TX 75020

JEWELL 57 LLC
2141 PARK RD 20
DENISON TX 75020

U S A
WASHINGTON DC
0

BARNES DIANE
5585 RANDELL LAKE RD
DENISON TX 75020

WILSON DIANE & EVANS DONNA
5916 BURGANDY ST
PLANO TX 75093

DOTY JC III AND MEREDITH GAIL
DOTY
4500 RANDELL LAKE ROAD
DENISON TX 75020

DENISON LAKESIDE PROPERTIES
120 E FM 544 STE 72 PMB 358
MURPHY TX 75094

BUSINESS & INDUSTRIAL CORP OF
DENISON INC DBA DENISON
DEVELOPMENT ALLIANCE
311 W WOODARD ST
DENISON TX 75020
BONE JERRI
72 COUSHATTA DR
DENISON TX 75020

MCDONALD MICHAEL SCOTT ETUX
KATHARINE R
3616 FM 84
DENISON TX 75020

PITTMAN DAVID GEORGE ETUX
BETTE ANN
3864 FM HWY 84
DENISON TX 75020

BUSH RONALD W ETUX MARY L
43 COUSHATTA DR
DENISON TX 75020

ROLLINS KYE J ETUX WENDY L
PO BOX 1217
DENISON TX 75021

ALBRITTON BENJAMIN J
4639 HWY 84 NORTH
DENISON TX 75020

ALBRITTON BENJAMIN J ETUX
ELIZABETH TUCKER
PO BOX 12445
DALLAS TX 75225

ROBINSON YVETTE L ETVIR MARK L
4741 FM 84
DENISON TX 75020

FARMER LOLA
4877 FM 84
DENISON TX 75020

EMBRY RONNIE A
4901 FM 84
DENISON TX 75020

EMBRY RONNIE A ETUX JUDITH K
4902 FM 84
DENISON TX 75020

FAITH ASSEMBLY OF GOD CHURCH
5019 FM 84
DENISON TX 75020

DREAMY GRASSHOPPERS LLC
6663 DELEON ST
IRVING TX 75039

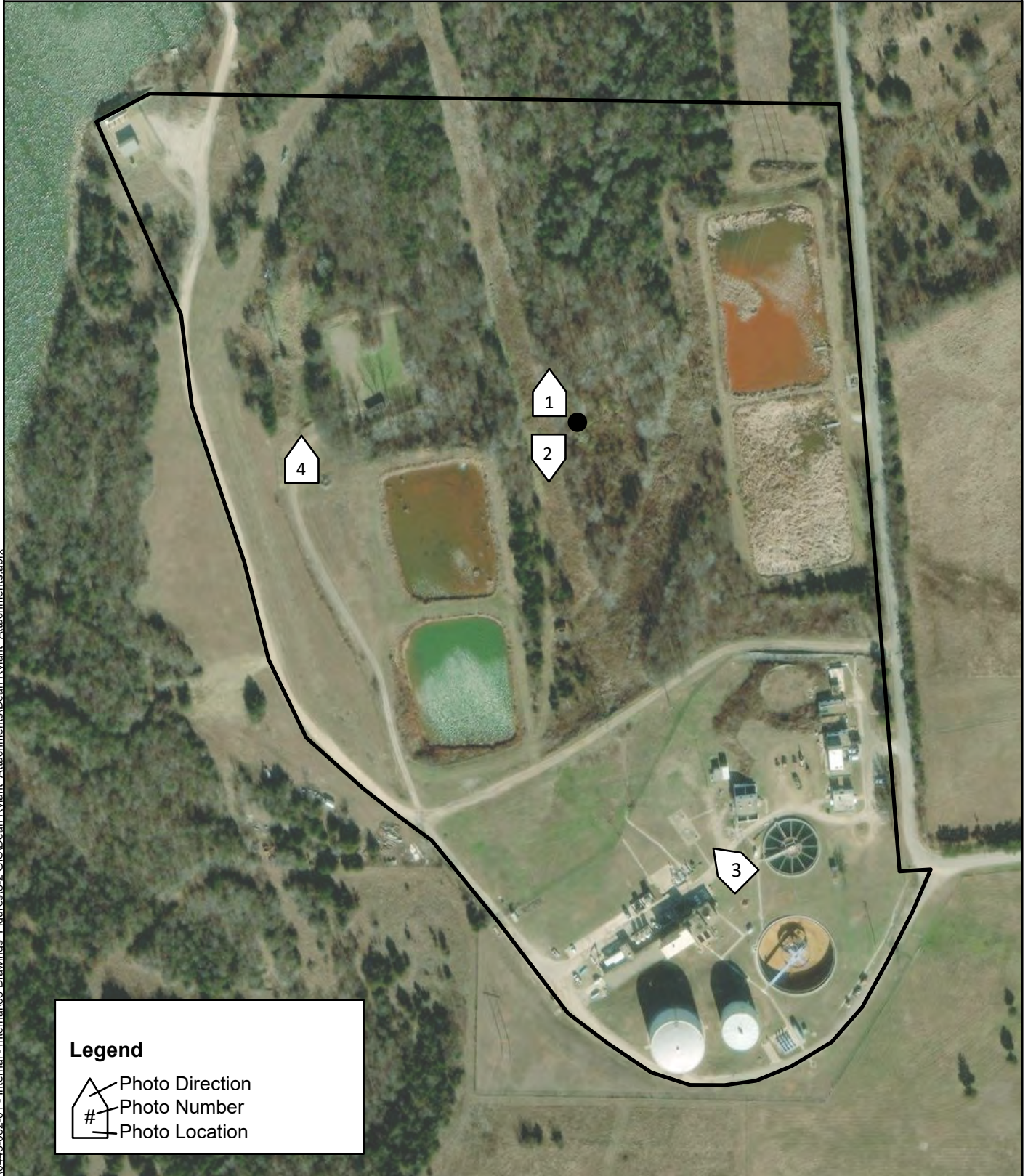
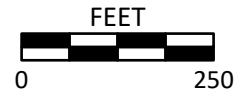
EISENHOWER RANCHES LLC
700 W WASHINGTON
SHERMAN TX 75092

ATTACHMENT G

**Original Photographs
Admin Rpt 1.1, Item 2**



PLUMMER



Legend

-  Photo Direction
-  Photo Number
-  Photo Location

Note: See Attachment G.2 for cross-referenced original photographs.

ATTACHMENT G.1
CITY OF DENISON
DEAN RYLANT WATER TREATMENT PLANT
NEW TPDES PERMIT APPLICATION
ORIGINAL PHOTOGRAPHS MAP

**ATTACHMENT G.2
CITY OF DENISON
DEAN RYLANT WATER TREATMENT PLANT
NEW DOMESTIC TPDES PERMIT APPLICATION
ORIGINAL PHOTOGRAPHS**



Photograph 1: Downstream of Outfall 001, facing North.



Photograph 2: Upstream of Outfall 001, facing South.

ATT G.2-1

**ATTACHMENT G.2
CITY OF DENISON
DEAN RYLANT WATER TREATMENT PLANT
NEW DOMESTIC TPDES PERMIT APPLICATION
ORIGINAL PHOTOGRAPHS**



Photograph 3: Proposed location of the UF containerized skids, facing Northwest.



Photograph 4: Proposed location of the UF membrane system, facing North.

ATT G.2-2

ATTACHMENT H

**Supplemental Permit Information Form
SPIF**

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 Denison

Permit No. WQ00 N/A - New PermitEPA ID No. TX N/A - New Permit

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

4631 Randell Lake Road Denison, TX 75020-1937

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: Angus Evans

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

Title: Water Plant Superintendent

Mailing Address: 300 W. Main St, P.O. Box 347

City, State, Zip Code: Denison, TX 75020

Phone No.: (903) 464-4480 Ext.: 2531 Fax No.: N/A

E-mail Address: aevans@denisontx.gov

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

N/A

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

From Outfall 001 to an unnamed tributary, to Shawnee Creek, thence to Red River Below Lake Texoma Segment No. 0202 of the Red 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. See SPIF 3

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):

Existing Phase (fast-track ultra filtration containerized skids) - 0.6 acres, up to 8-foot depth for buried piping; Final Phase (ultra filtration membranes expansion) - 6.3 acres, up to 15-foot depth for basin and building construction, as well as buried piping.

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

Existing disturbances are those typical of a water treatment facility.

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:

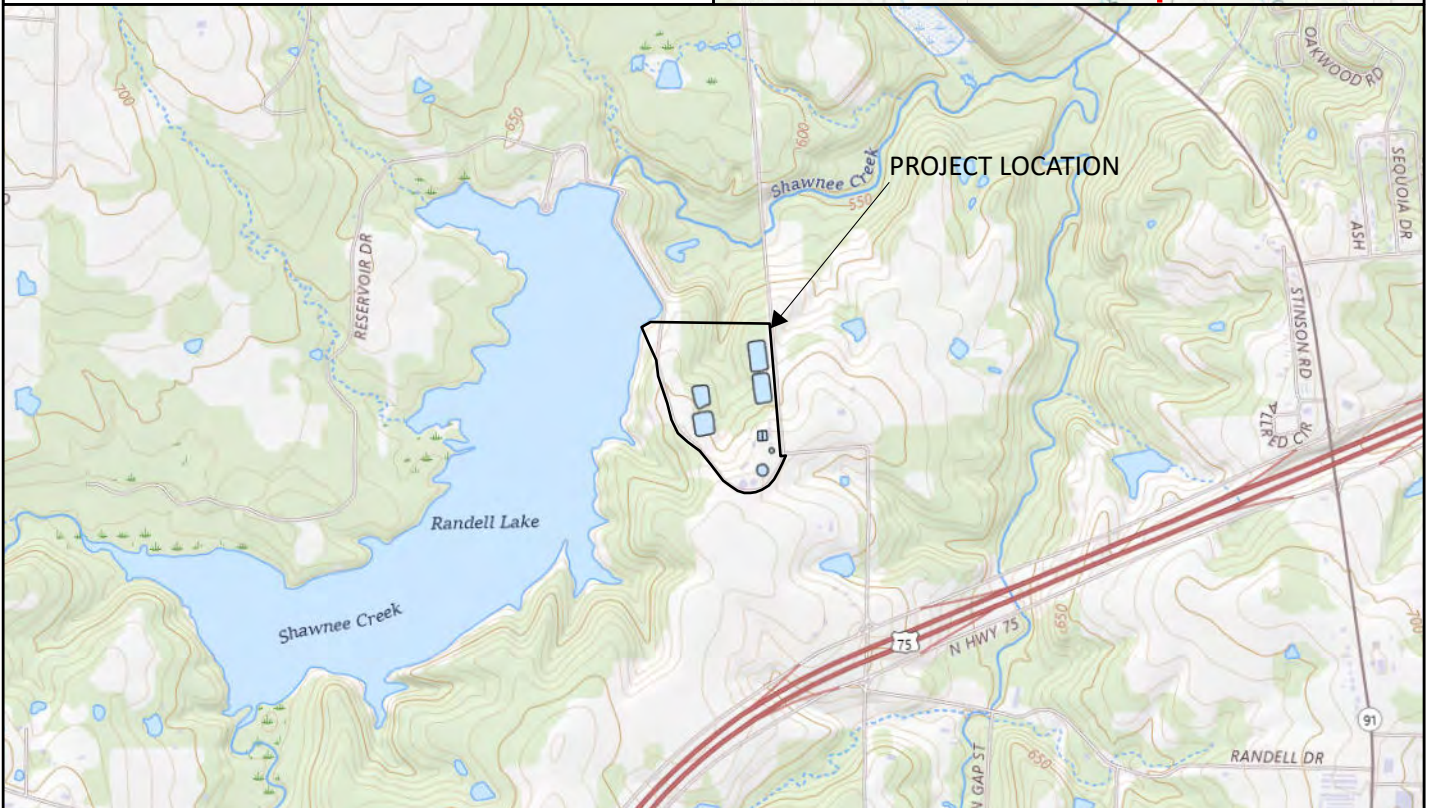
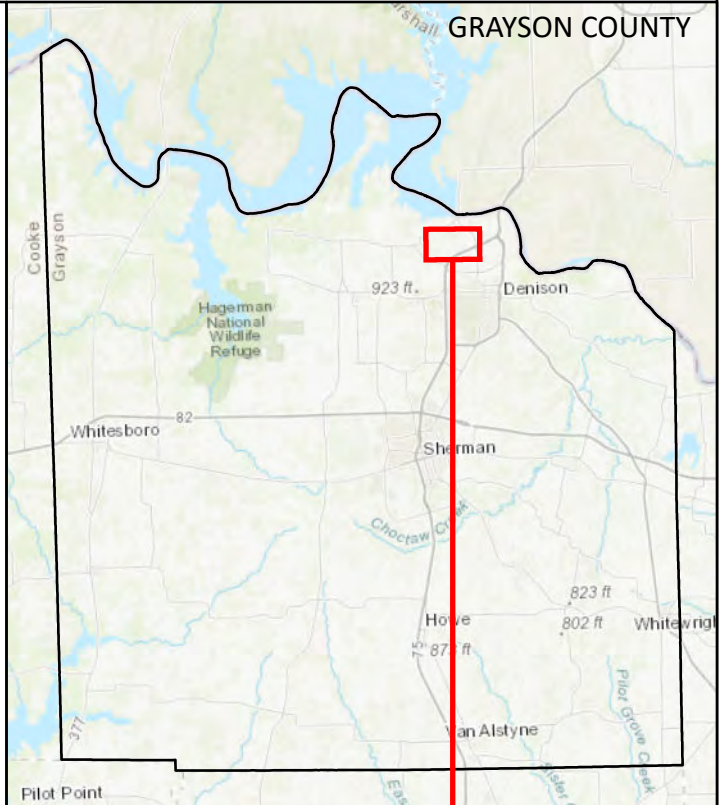
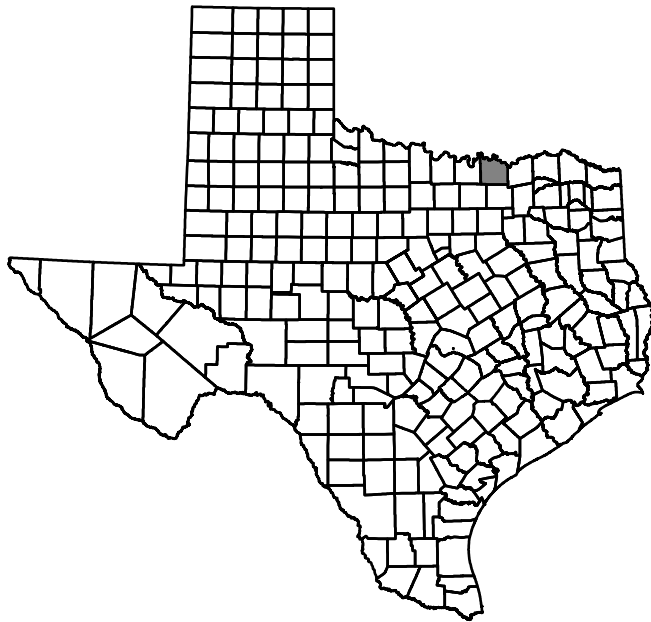
See SPIF 4

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

This property has been a water treatment facility since 1941.



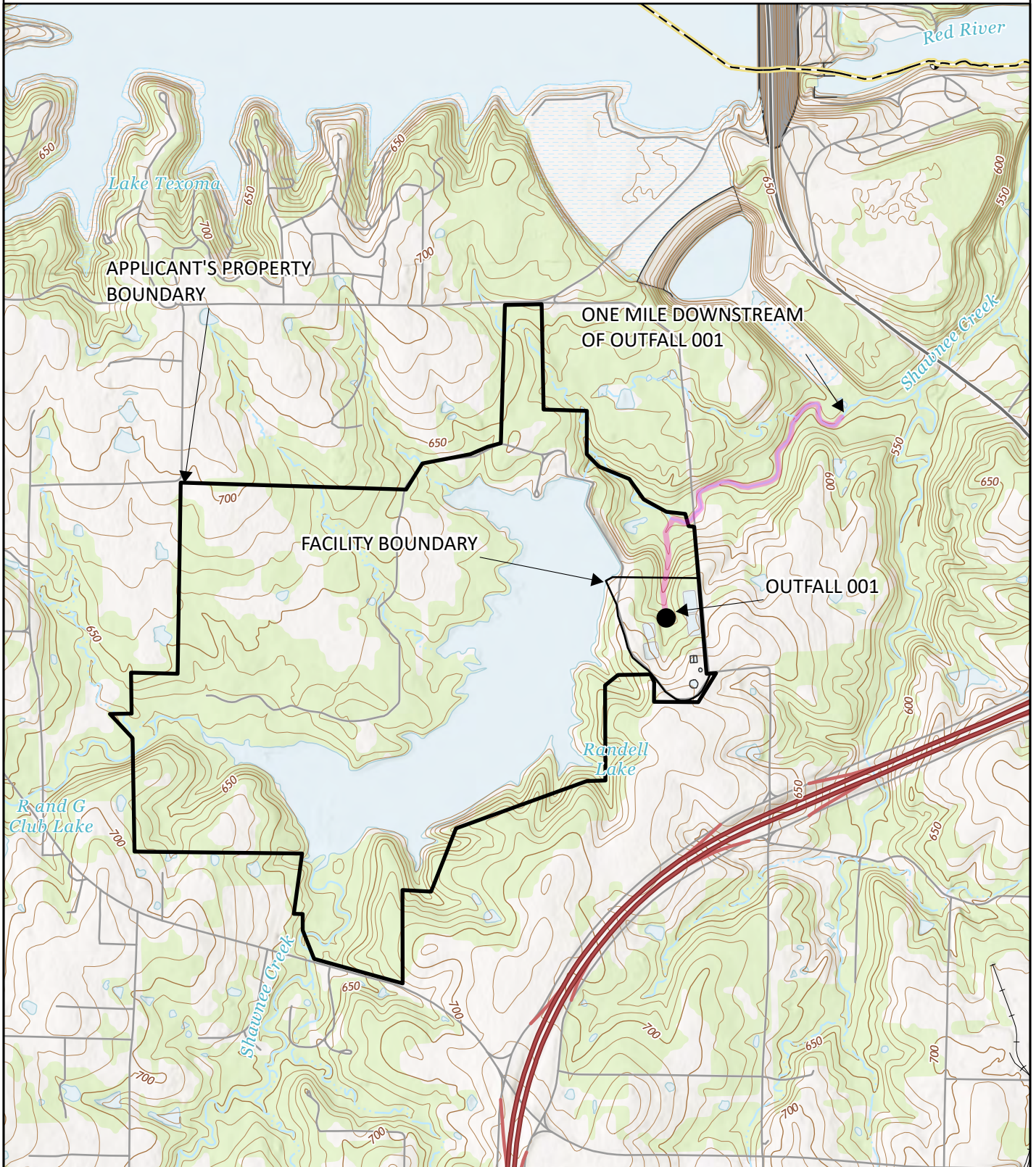
PLUMMER



SPIF 1
CITY OF DENISON
DEAN RYLANT WATER TREATMENT PLANT
NEW TPDES PERMIT APPLICATION
GENERAL LOCATION MAP



PLUMMER



SPIF 2
CITY OF DENISON
DEAN RYLANT WATER TREATMENT PLANT
NEW TPDES PERMIT APPLICATION
USGS MAP

**SPIF 3
CITY OF DENISON
DEAN RYLANT WATER TREATMENT PLANT
NEW DOMESTIC TPDES PERMIT APPLICATION
PHOTOGRAPHS OF STRUCTURES 50 YEARS OR OLDER**



Photograph 1: Clarifier No. 2 – Originally constructed as clariflocculator in 1978; converted to solids contact clarifier in 1993.



Photograph 2: Filter Building No. 0 with adjoining Pump Station and Chemical Building - Originally constructed in 1941, decommissioned in 1993.

**SPIF 3
CITY OF DENISON
DEAN RYLANT WATER TREATMENT PLANT
NEW DOMESTIC TPDES PERMIT APPLICATION
PHOTOGRAPHS OF STRUCTURES 50 YEARS OR OLDER**



Photograph 3: Filter building No.2 – Originally constructed in 1978.



Photograph 4: In-Ground Clearwell and High-Service Pump Station (original) – Originally constructed, ca. 1941 (decommissioned in 1993).

**SPIF 3
CITY OF DENISON
DEAN RYLANT WATER TREATMENT PLANT
NEW DOMESTIC TPDES PERMIT APPLICATION
PHOTOGRAPHS OF STRUCTURES 50 YEARS OR OLDER**



Photograph 5: Chemical Building – Originally constructed in 1941; modified to be Water Quality Laboratory in 1993.

SPIF 4
CITY OF DENISON
DEAN RYLANT WATER TREATMENT PLANT
NEW DOMESTIC TPDES PERMIT APPLICATION
CONSTRUCTION DATES OF STRUCTURES

1. Filter Building No. 0 with adjoining Pump Station and Chemical Building
 - a. Filter Building – Originally constructed, ca. 1941 (decommissioned, ca. 1993)
 - b. Chemical Building – Originally constructed, ca. 1941; modified to be Water Quality Laboratory, ca. 1993
 - c. In-Ground Clearwell and High-Service Pump Station (original) – Originally constructed, ca. 1941 (decommissioned in 1993)
2. Clarifier No. 1 – Originally constructed as clariflocculator, ca. 1953; converted to solids contact clarifier, ca. 1993.
3. Filter Building No. 1 – Originally constructed, ca. 1953; piping and window/exterior modifications, ca. 1993; underdrain replacements, ca. 2008
4. Storage Ponds No. 1 (North 1 and South 1, located in northeastern corner of WTP) - Originally constructed, ca. 1976
5. Storage Ponds No. 2 (North 2 and South 2, located in northwestern corner of WTP) - Originally constructed, ca. 1977
6. Clearwells
 - a. Clearwell No. 1 (1 MG, bolted steel type) - Originally constructed, ca. 1977; refurbished and repainted, ca. 2010
 - b. Clearwell No. 2 (2 MG, prestressed concrete type) - Originally constructed, ca. 2010
7. Clearwell/Transfer Well - Originally constructed, ca. 1977; modified to filtered water Transfer Well, ca. 1993
8. Clarifier No. 2 - Originally constructed as clariflocculator, ca. 1977
9. Administration/Operations Building with adjoining Chemical Storage and Feeder/ Elevator Rooms, High Lift Pump Room, Filter Building No. 2, Offices, laboratory space and control room, storage and maintenance areas, and gaseous chlorine storage and feed areas - Originally constructed, 1977
 - a. Chemical Pump Room and feed equipment areas - Originally constructed, ca. 1977; chemical feed system modifications and decommission of lime facilities, ca. 1993;
 - b. Ammonia Feed Facilities – Gaseous ammonia facilities originally constructed, ca. 1977; decommission of gaseous ammonia and conversion to liquid ammonium sulfate (LAS) feed, ca. 2010
 - c. Filter Building No. 2 - Originally constructed, ca. 1977; filter piping and underdrain modifications, ca. 1993
 - d. Rapid mixing structure - Originally constructed, 1977; decommissioned, ca. 1993
 - e. High Lift Pump Room - Originally constructed, 1977; decommissioned, ca. 1993
 - f. Chlorine dioxide generation and feed system - Originally constructed, ca. 2011
10. Bulk Chemical Storage Facilities
 - a. Caustic and ferric chloride bulk storage tanks - Originally constructed, ca. 1993
 - b. Liquid ammonium sulfate (LAS) and sodium chlorite bulk storage tanks - Originally constructed, ca. 2011
11. Raw Water Control Valve and Metering/Mixing Vaults - Originally constructed, ca. 1993
12. High-Service Pump Station - Originally constructed, ca. 1993

ATTACHMENT I

**Treatment Process Description
Tech Rpt 1.0, Item 2.a**

**ATTACHMENT I
CITY OF DENISON
DEAN RYLANT WATER TREATMENT PLANT
NEW DOMESTIC TPDES PERMIT APPLICATION
TREATMENT PROCESS DESCRIPTION**

EXISTING PHASE

A new raw water pipeline from the combined raw water header at the head of the Water Treatment Plant (WTP) is proposed. Raw water from the new Plant 3 header will receive coagulant injection, then flow into a proposed feed tank used to provide equalization when the ultra filtration (UF) skids are in backwash. The coagulated water will flow into a header which splits into four feed lines, two to each container. Each container has two 1.25-MGD UF membrane trains, total capacity of 5 MGD. The filtered water from the UF skids will flow by gravity into the existing Transfer Well, where it will combine with the filtered water from the conventional process trains. The filtered water is then pumped to the clearwells in series and is pumped to the City's distribution system via the high service pump station (HSPS). Backwash waste flows by gravity to the storage ponds and combines with the dual-media filters backwash waste and the decant from the other storage ponds. Water from the storage ponds is discharged into an unnamed tributary via Outfall 001.

FINAL PHASE

Raw water will flow from the raw water pump station (RWPS) to two parallel 24-inch raw water headers. The two headers have an intermediate tee connection, which allows raw water to be diverted to the proposed membrane train (Plant 4). Downstream of the header a modulating valve controls the flow to the Plant 4 train. The raw oxidized water then receives coagulant injection and flows into the 11-MGD pre-oxidation basin to provide detention time for iron and manganese oxidation. The coagulated water is then pumped to the Membrane Building via the UF feed pumps, and then to the UF membrane skids. There are six UF skids, each rated for 2.2 MGD (5 duty, 1 standby; total capacity of 11 MGD). The filtered water from the skids then flows to the Break Tank, which also serves as a storage volume for backwash supply (drawn from the filtered water pipeline). The Break Tank overflows to the Blend Tank where it is disinfected, then pumped to Clearwell 2 where it blends with the flow from the conventional and Phase 2 UF trains and is then pumped to the distribution system via the HSPS. In Phase 3, the UF backwash waste will be discharged to Storage Ponds No. 2 to combine with the dual-media and Phase 2 UF backwash waste and decanted sludge from Storage Ponds No. 1. Water from the storage ponds is discharged into an unnamed tributary via Outfall 001.

ATTACHMENT J

**List of Treatment Units
Tech Rpt 1.0, Item 2.b**

ATTACHMENT J
CITY OF DENISON
DEAN RYLANT WATER TREATMENT PLANT
NEW DOMESTIC TPDES PERMIT APPLICATION
LIST OF TREATMENT UNITS

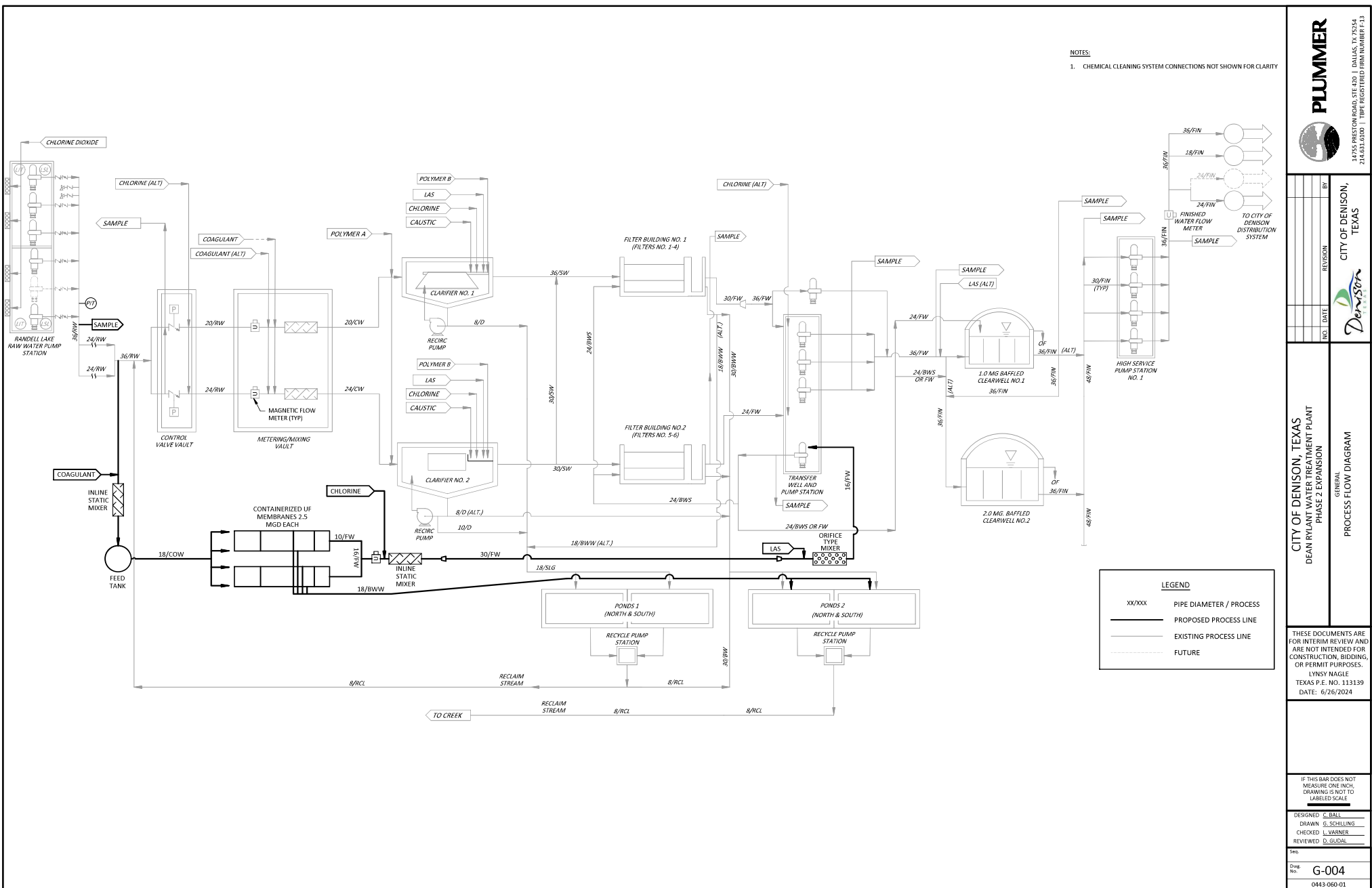
Treatment Unit(s)	Total Quantities and Dimensions by Phase	
	Existing Phase	Final Phase
Raw Water Pump Station		
RWPS pumps	4 x 6-MGD (3 duty, 1 standby)	5 x 6-MGD (4 duty, 1 standby)
RWPS wet wells	2 (19'W x 20'L x 40'D)	2 (19'W x 20'L x 40'D)
Convention Process Treatment Units		
Solids Contact Clarifier	--	--
Clari-Flocculator	--	--
Dual-Media Filter	--	--
Transfer Well	4 x 5.3-MGD, 1 x 6-MGD (4 duty, 1 standby)	--
UF Containerized Skids		
UF Feed Tank	1 x 5-MGD (10'dia.x 22'SWD)	--
UF Containerized Skid Feed Pumps	4 x 1.25-MGD (4 duty, 1 shelf spare)	--
UF Feed Strainers	4 x 1.25-MGD (4 duty)	--
UF Containerized Trains	4 x 1.25-MGD (2 per container; 4 duty; 34 modules per train)	--
UF Backwash Supply Pumps	2 x 1.73-MGD (1 per container; 2 duty, 1 shelf spare)	--
UF Membranes Expansion		
Preoxidation Basins	--	1 x 11-MGD (16'W x 81'L x 15'D)
UF Feed Pumps	--	4 x 3.67-MGD (3 duty, 1 standby)
UF Feed Strainers	--	4 x 3.67-MGD (3 duty, 1 standby)
UF Membrane Skids	--	6 x 2.2-MGD (5 duty, 1 standby; 52 module capacity per skid at 67.2 gfd design flux rate)
Break Tank	--	1 x 33-MGD (40'L x 12'W x 17'SWD)
Blend Tank	--	1 x 33-MGD (40'L x 12'W x 17'SWD)
Phase 3 Transfer Pumps	--	3 x 6 MGD (2 duty, 1 standby, 2 future)
Clearwells		
1-MG Clearwell 1	1 x 1-MG (66'dia x 39'-2" SWD)	--
2-MG Clearwell 2	1 x 2-MG (94'dia x 39' SWD)	1 x 2-MG (94'dia x 39'SWD)
High-Service Pump Station		
High-Service Pumps	2 x 5-MGD, 2 x 7.5-MGD (3 duty, 1 standby)	4 x 7.5-MGD (3 duty, 1 standby)

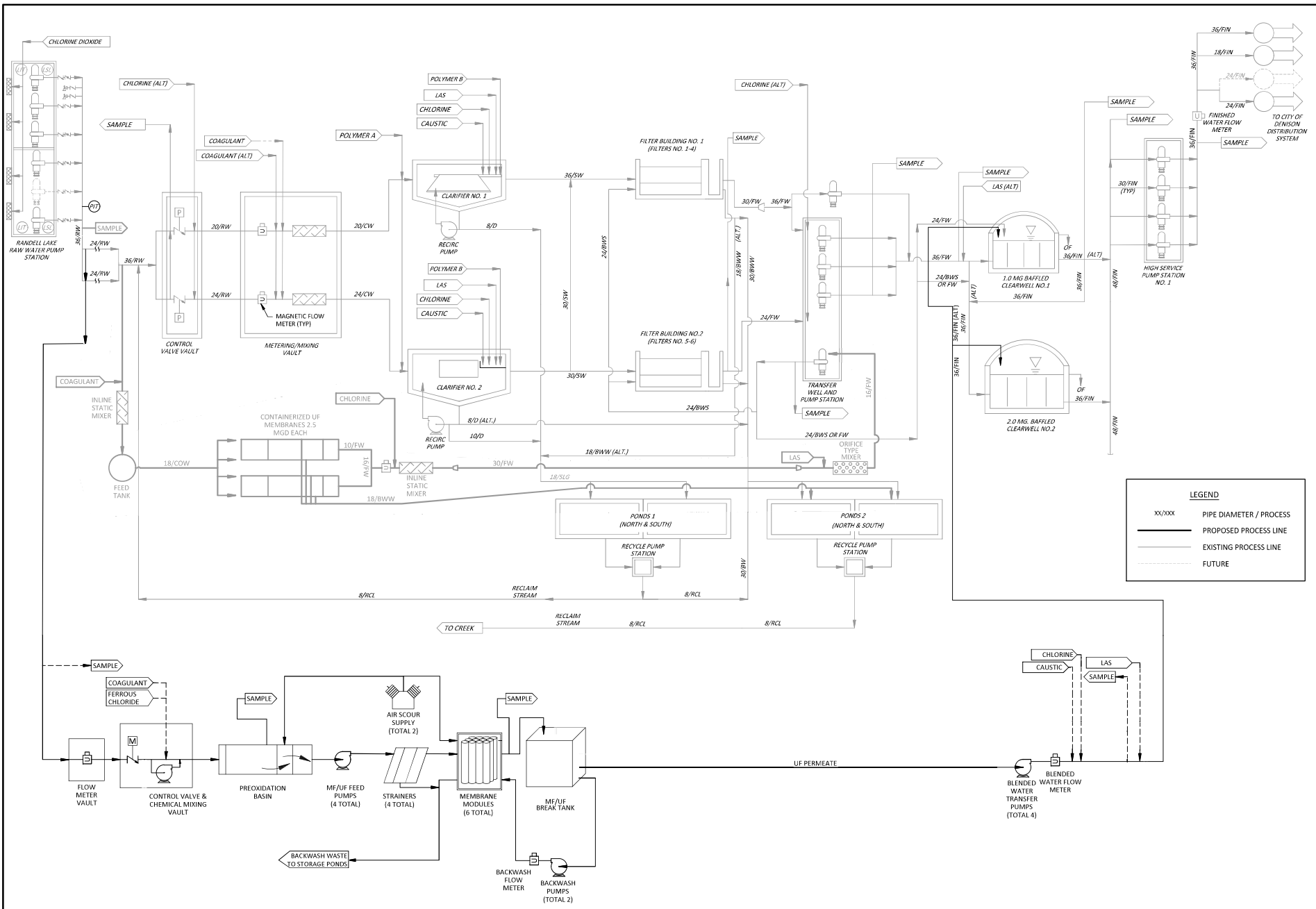
**ATTACHMENT J
CITY OF DENISON
DEAN RYLANT WATER TREATMENT PLANT
NEW DOMESTIC TPDES PERMIT APPLICATION
LIST OF TREATMENT UNITS**

Treatment Unit(s)	Total Quantities and Dimensions by Phase	
	Existing Phase	Final Phase
Storage Ponds		
Storage Ponds No. 1	2 x sludge (~206'W x ~336'L x 14'D)	2 x sludge (~206'W x ~336'L x 14'D)
Storage Ponds No. 2	2 x backwash (~206'W x ~336'L x 14'D)	2 x backwash (~206'W x ~336'L x 14'D)
Decant Pump Stations	2 x duplex pump stations (1 duty, 1 standby each)	2 x duplex pump stations (1 duty, 1 standby each)

ATTACHMENT K

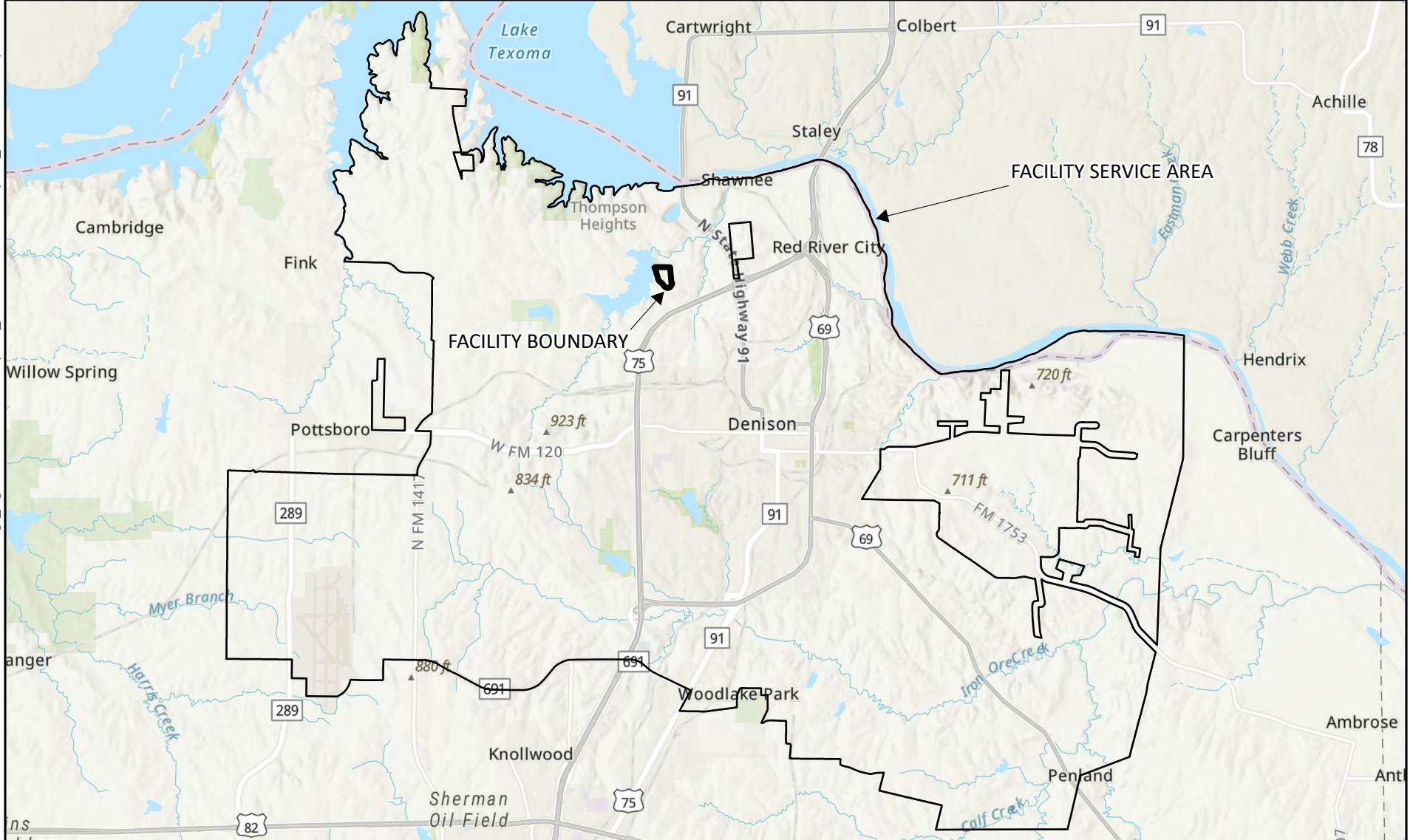
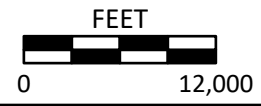
**Process Flow Diagram
Tech Rpt 1.0, Item 2.c**





ATTACHMENT L

**Site Drawing
Tech Rpt 1.0, Item 3**



ATTACHMENT L
CITY OF DENISON
DEAN RYLANT WATER TREATMENT PLANT
NEW TPDES PERMIT APPLICATION
SITE DRAWING

ATTACHMENT M

**List of Facility Operators
Tech Rpt 1.0, Item 8**

**ATTACHMENT M
CITY OF DENISON
DEAN RYLANT WATER TREATMENT PLANT
NEW DOMESTIC TPDES PERMIT APPLICATION
LIST OF FACILITY OPERATORS**

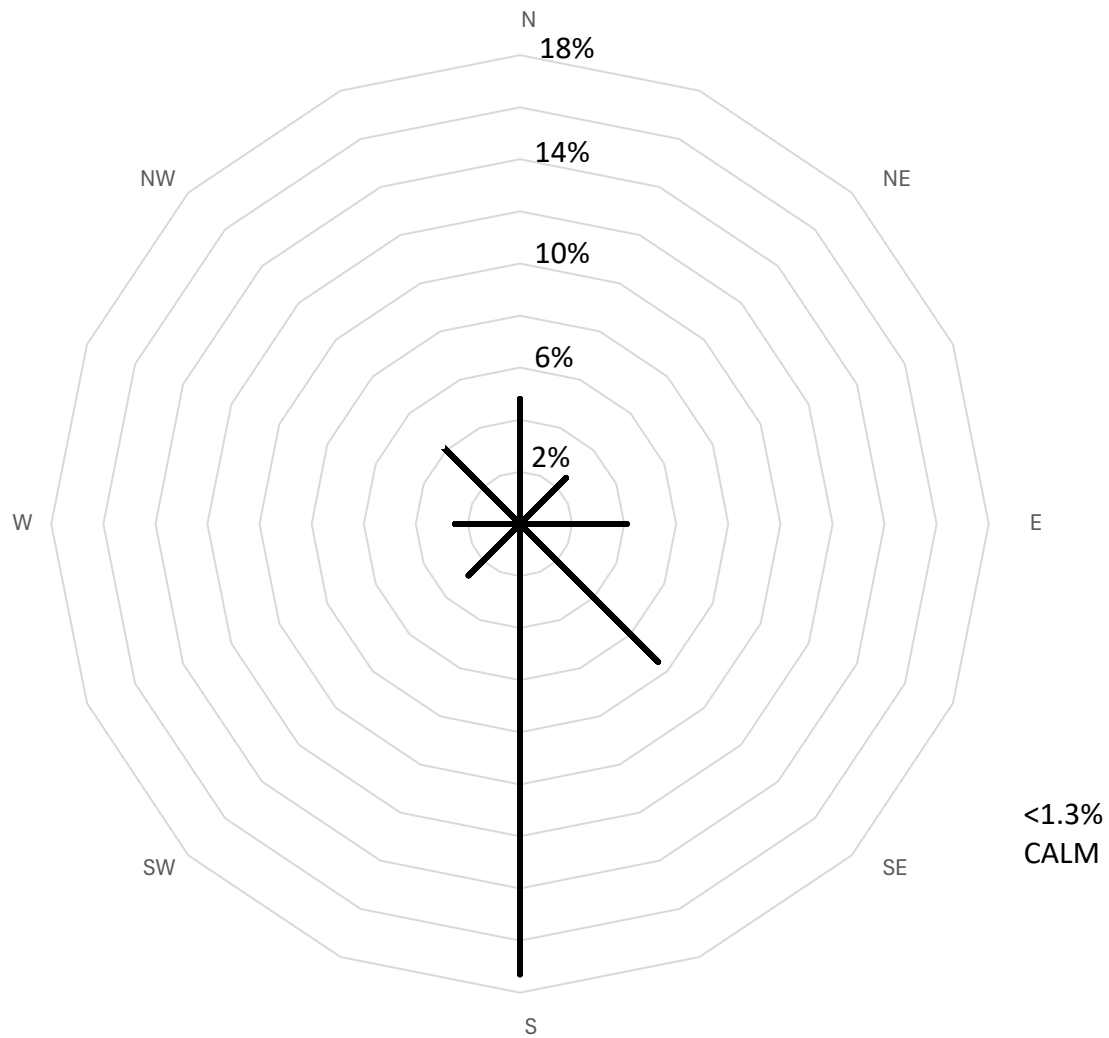
NAME	LICENSE CLASS	LICENSE NUMBER
Angus Evans	A	WO0035418
Robert (Vinny) Villard	A	WO0036870

ATTACHMENT N

**Wind Rose
Tech Rpt 1.1, Item 5.B**



PLUMMER



FREQUENCY OF WIND DIRECTION

**PREVAILING WINDS FOR
DURANT EAKER FLD AP, OK**

SOURCE: MIDWESTERN REGIONAL CLIMATE CENTER

ATTACHMENT N
CITY OF DENISON
DEAN RYLANT WATER TREATMENT PLANT
NEW DOMESTIC TPDES PERMIT APPLICATION
WIND ROSE

ATTACHMENT O

ePay Voucher
Admin Rpt 1.0, Item 1

Print this voucher for your records. If you are sending the TCEQ hardcopy documents related to this payment, include a copy of this voucher.

Transaction Information

Voucher Number:

719233

Trace Number:

582EA000623456

Date:

08/28/2024 04:08 PM

Payment Method:

CC - Authorization 0000035650

Voucher Amount:

\$2,000.00

Fee Type:

WW PERMIT - FACILITY WITH FLOW >= 1.0 MGD - NEW AND MAJOR AMENDMENTS

ePay Actor:

ALEXANDRA GAROUTTE

Actor Email:

ahughes@plummer.com

IP:

24.155.68.124

Payment Contact Information

Name:

ALEXANDRA GAROUTTE

Company:

PLUMMER ASSOCIATES INC

Address:

8911 N CAPITAL OF TX HWY STE, AUSTIN, TX 78759

Phone:

512-452-5905

Site Information

RN:

RN101421337

Site Name:

DEAN RYLANT WATER TREATMENT PLANT

Site Address:

4631 RANDELL LAKE RD, DENISON, TX 75020

Site Location:

0.75 MI W OF US 75 ON RANDELL LAKE RD

Customer Information

CN:

CN600457428

Customer Name:

CITY OF DENISON

Customer Address:

300 W MAIN ST, DENISON, TX 75020

Close

Print this voucher for your records. If you are sending the TCEQ hardcopy documents related to this payment, include a copy of this voucher.

Transaction Information

Voucher Number:

719234

Trace Number:

582EA000623456

Date:

08/28/2024 04:08 PM

Payment Method:

CC - Authorization 0000035650

Voucher Amount:

\$50.00

Fee Type:

30 TAC 305.53B WQ NOTIFICATION FEE

ePay Actor:

ALEXANDRA GAROUTTE

Actor Email:

ahughes@plummer.com

IP:

24.155.68.124

Payment Contact Information

Name:

ALEXANDRA GAROUTTE

Company:

PLUMMER ASSOCIATES INC

Address:

8911 N CAPITAL OF TX HWY STE, AUSTIN, TX 78759

Phone:

512-452-5905

Close



PLUMMER

0443-062-01

September 23, 2024

Ms. Rachel Ellis
Texas Commission on Environmental Quality
Applications Review and Processing Team
Building F, Room 2101
12100 Park 35 Circle
Austin, Texas 78753

Re: Application for Proposed Permit No. WQ0016612001
City of Denison (CN600457428)
Dean Rylant Water Treatment Plant (RN101421337)

Dear Ms. Ellis:

On behalf of the City of Denison, Plummer Associates, Inc. (Plummer) provides the following responses to your Notice of Deficiency (NOD) letter dated September 17, 2024, regarding the application for a new Texas Pollutant Discharge Elimination System (TPDES) permit for the above-referenced facility. The responses are provided in the order presented in your NOD letter. A copy of your NOD letter is provided as Enclosure A.

1. **TCEQ Core Data Form, Section III, Items 27 & 28:** An updated core data form that includes the latitude and longitude is included as Enclosure B.
2. **Full Size USGS Map:** The original full size USGS map was submitted to the TCEQ mailroom with the application on September 3rd, 2024.
3. **Notice of Receipt of Application and Intent to Obtain a Water Quality Permit (NORI):** Plummer has reviewed the NORI and proposed the following revisions shown in red below:

APPLICATION. City of Denison, 300 West Main St., P.O. Box 347, Denison, Texas 75021 75020, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016612001 (EPA I.D. No. TX0146552) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 2,000,000 gallons per day. The domestic wastewater treatment facility will be located at 4631 Randell Lake Road, in the city of Denison, in Grayson County, Texas 75020. The discharge route will be from the plant site to (pending RWA) an unnamed tributary, thence to Shawnee Creek, thence to Red River Below Lake Texoma Segment No. 0202 of the Red River Basin. TCEQ received this application on September 3, 2024. The permit application will be available for viewing and copying at Denison City Hall, reception desk, 300 West Main Street, Denison, 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/pendingpermits/tpdesapplications> 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=-96.574722,33.795833&level=18>

Further information may also be obtained from City of Denison at the address stated above or by calling Mr. Angus Evans, Water Plant Superintendent, at ~~903-465-2720 extension 2085-903-464-4480 extension 2531~~.

4. **Spanish NORI:** The translated Spanish NORI is provided as Enclosure C.

Please feel free to contact me at mpierce-walsh@plummer.com or (512) 359-7764, if you have any questions regarding this submittal.

Sincerely,

PLUMMER
TBPE Firm Registration No. F-13



Meg Pierce-Walsh
Environmental Services Practice Leader, Principal

Enclosures (3)

cc: Fanchon Stearns, CIP/Engineering Manager, City of Denison
Ronnie Bates, Director of Public Works & Emergency Management Coordinator, City of Denison
Angus Evans, Water Plant Supervisor, City of Denison
Ervin Pariera, Assistant Director Public Works, City of Denison

ENCLOSURE A
Notice of Deficiency Letter
September 17, 2024

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



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

September 17, 2024

Ms. Fanchon Stearns
CIP/ Engineering Manager
City of Denison
P.O. Box 347
Denison, Texas 75021

RE: Application for Proposed Permit No.: WQ0016612001 (EPA I.D. No. TX0146552)
Applicant Name: City of Denison (CN600457428)
Site Name: Dean Rylant WTP (RN101421337)
Type of Application: New

VIA EMAIL

Dear Ms. Stearns:

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. TCEQ Core Data Form, Section III, Items 27 & 28: This section was left blank please provide the latitude and longitude and return this updated page with the response to this letter.
2. **(For New applications, an original, full size, 7.5 Minute USGS Topographic Quadrangle Map(s) or equivalent is required. The standard size is 22" x 32". The map must show:**

Color map, Clear contour lines, Upper left corner must identify map as USGS Department of the Interior Geological Survey, Lower left corner, datum & project information, Bottom, magnetic declination, Bottom, must show scale, Bottom, identify contour intervals, Bottom, national map accuracy standard statement, Bottom, show State of TX and quad location, Around map, latitude and longitude coordinates, Bottom, quadrangle name, Bottom, must identify map date the applicant's property boundary, location of the treatment facility within the applicant's property boundaries, point of discharge (indicate it with a dot, X, or arrow), a highlighted discharge route (please use a transparent highlighter) for three miles downstream from the point of discharge, and an area of not less than one mile in all directions from the facility.

3. 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 Denison, P.O. Box 347, Denison, Texas 75021, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016612001 (EPA I.D. No. TX0146552) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 2,000,000 gallons per day. The domestic wastewater treatment facility will be located at 4631 Randell Lake Road, in the city of Denison, in Grayson County, Texas 75020. The discharge route will be from the plant site to (**pending RWA**). TCEQ received this application on September 3, 2024. The permit application will be available for viewing and copying at Denison City Hall, reception desk, 300 West Main Street, Denison, 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=-96.574722,33.795833&level=18>

Further information may also be obtained from City of Denison at the address stated above or by calling Mr. Angus Evans, Water Plant Superintendent, at 903-465-2720 extension 2085.

4. 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 October 1, 2024. If you should have any questions, please do not hesitate to contact me by phone at (512) 239-4658 or by email at rachel.ellis@tceq.texas.gov

Sincerely,



Rachel Ellis
Applications Review and Processing Team (MC148)
Water Quality Division
Texas Commission of Environmental Quality

re

Enclosure(s)
Attachment 1-Municipal Discharge New Spanish NORI

cc: Mr. Ervin Pariera, Assistant Director of Public Works, City of Denison, 300 West Main Street, Denison, Texas 75020

ENCLOSURE B
Core Data Form

18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)
(903) 465-2720	2442	() -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity' is selected, a new permit application is also required.)								
☐ New Regulated Entity ☐ Update to Regulated Entity Name ☐ Update to Regulated Entity Information								
<i>The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).</i>								
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)								
Dean Rylant Water Treatment Plant								
23. Street Address of the Regulated Entity: (No PO Boxes)	4631 Randell Lake Rd							
	City	Denison	State	TX	ZIP	75020	ZIP + 4	1937
24. County	Grayson							

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

25. Description to Physical Location:								
26. Nearest City						State	Nearest ZIP Code	
<i>Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).</i>								
27. Latitude (N) In Decimal:		33.795149			28. Longitude (W) In Decimal:		-96.575865	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds			
29. Primary SIC Code		30. Secondary SIC Code		31. Primary NAICS Code		32. Secondary NAICS Code		
(4 digits)		(4 digits)		(5 or 6 digits)		(5 or 6 digits)		
4941		3589		221310		924110		
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)								
Drinking water treatment plant.								
34. Mailing Address:	P.O. Box 347							
	City	Denison	State	TX	ZIP	75021	ZIP + 4	347
35. E-Mail Address:		epariera@denisontx.gov						
36. Telephone Number			37. Extension or Code			38. Fax Number (if applicable)		
(903) 465-2720			2442			() -		

ENCLOSURE C
Spanish NORI

Comisión de Calidad Ambiental del Estado de Texas



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

PERMISO PROPUESTO NO. WQ0016612001

SOLICITUD. La Ciudad de Denison, 300 West Main Street, P.O. Box 347 Denison, Texas 75020 ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para el propuesto Permiso No. WQ0016612001 (EPA I.D. No. TX0146552) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 2,000,000 galones por día. La planta está ubicada 4631 Randell Lake Road, Denison, en el Condado de Grayson, Texas. La ruta de descarga es del sitio de la planta a an unnamed tributary, thence to Shawnee Creek, thence to Red River Below Lake Texoma Segment No. 0202 of the Red River Basin. La TCEQ recibió esta solicitud el September 3rd, 2024. La solicitud para el permiso está disponible para leerla y copiarla en 300 West Main Street, Denison, Texas. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web: <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud. <https://gisweb.tceq.texas.gov/LocationMapper/?marker=96.574722,33.795833&level=18>

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

COMENTARIO PUBLICO / REUNION PUBLICA. Usted puede presentar comentarios públicos o pedir una reunión pública sobre esta solicitud. El propósito de una reunión pública es dar la oportunidad de presentar comentarios o hacer preguntas acerca de la solicitud. La TCEQ realiza una reunión pública si el

Director Ejecutivo determina que hay un grado de interés público suficiente en la solicitud o si un legislador local lo pide. Una reunión pública no es una audiencia administrativa de lo contencioso.

OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO

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

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

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

derecho relacionadas a intereses pertinentes y materiales de calidad del agua que se hayan presentado durante el período de comentarios.

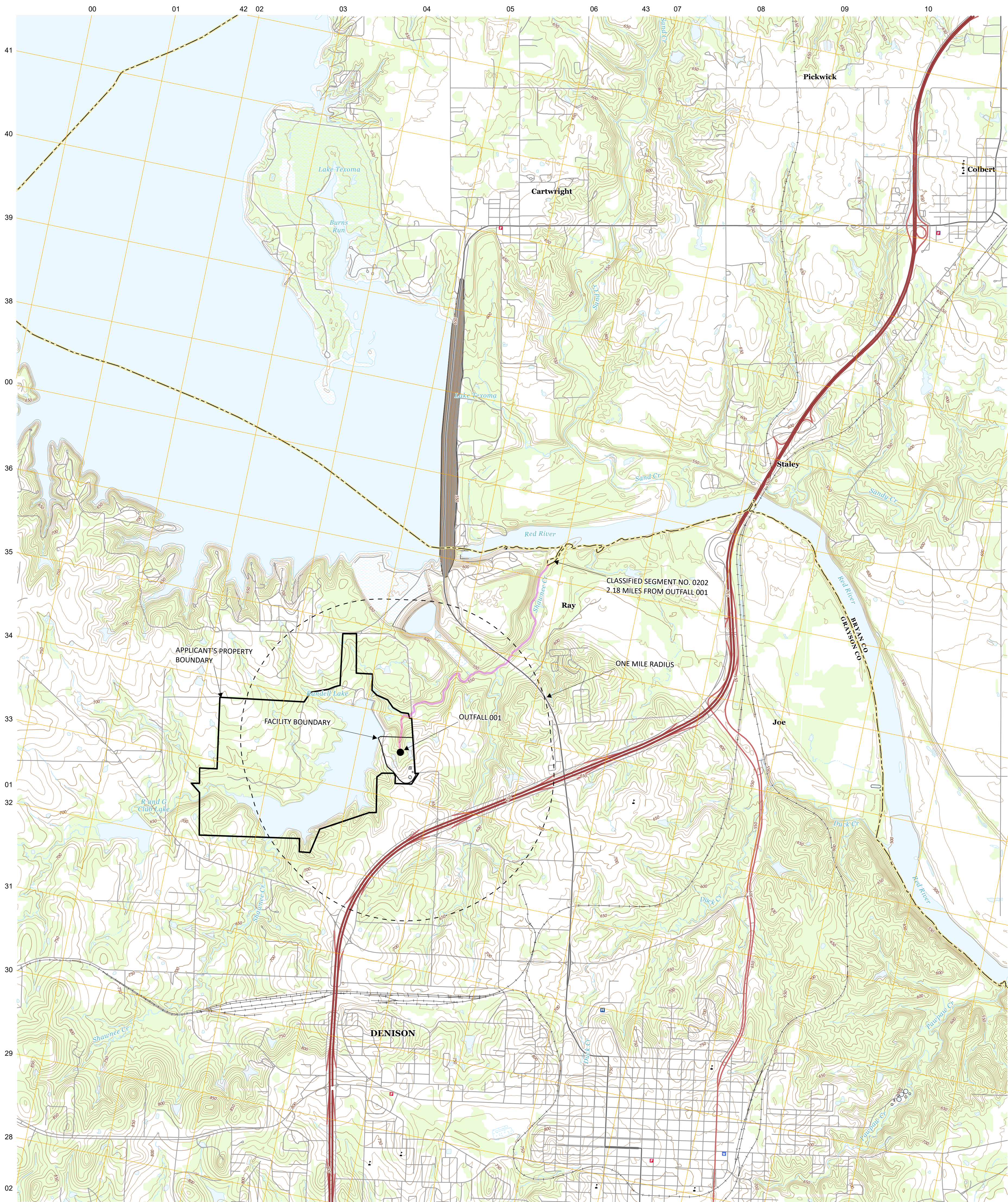
LISTA DE CORREO. Si somete comentarios públicos, un pedido para una audiencia administrativa de lo contencioso o una reconsideración de la decisión del Director Ejecutivo, la Oficina del Secretario Principal enviará por correo los avisos públicos en relación con la solicitud. Además, puede pedir que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

CONTACTOS E INFORMACIÓN DE LA TCEQ. Todos los comentarios escritos del público y los para pedidos una reunión deben ser presentados a la Oficina del Secretario Principal, MC 105, TCEQ, P.O. Box 13087, Austin, TX 78711-3087 o por el internet at www.tceq.texas.gov/about/comments.html. 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. Si necesita más información en Español sobre esta solicitud para un permiso o el proceso del permiso, por favor llame a El Programa de Educación Pública de la TCEQ, sin cobro, al 1-800-687-4040. La información general sobre la TCEQ puede ser encontrada en nuestro sitio de la red: www.tceq.texas.gov.

También se puede obtener información adicional de la Ciudad de Denison a la dirección indicada arriba o llamando a Sr. Angus Evans al 903-464-4480 extensión 2531.

Fecha de emisión _____ *[Date notice issued]*

DENISON DAM QUADRANGLE
TEXAS
7.5-MINUTE

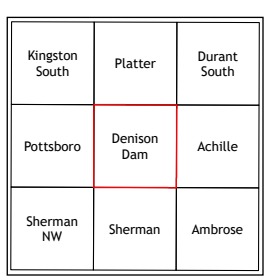
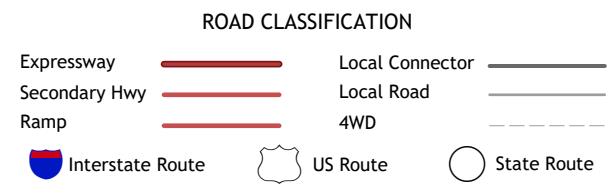
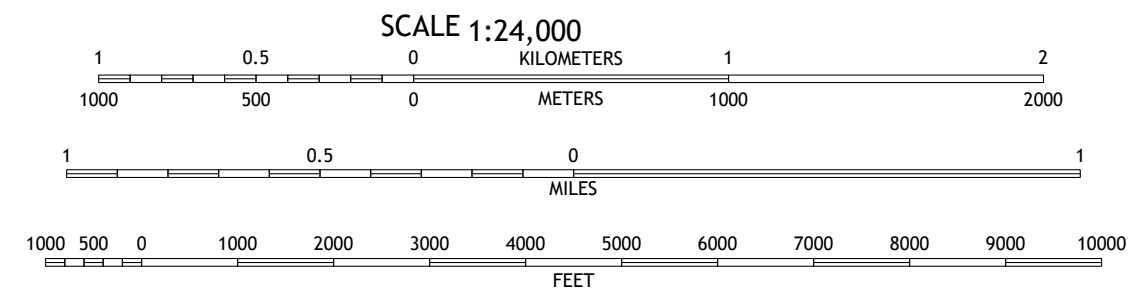
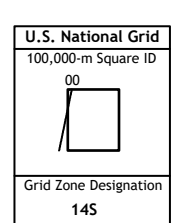


Coordinate System: NAD 1983 UTM Zone 14N
Projection: Transverse Mercator
Datum: North American 1983

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.

Imagery.....NAIP, September 2016 - November 2017
Roads.....U.S. Census Bureau, 2015 - 2018
Names.....GNIS, 1979 - 2021
Hydrography.....National Hydrography Dataset, 2002 - 2018
Contours.....National Elevation Dataset, 2019
Boundaries.....Multiple sources; see metadata file 2019 - 2021
Public Land Survey System.....BLM, 2021
Wetlands.....FWS National Wetlands Inventory 1982



Denison Dam, TX
2024



TPDES PERMIT NO. WQ0016612001
*[For TCEQ office use only - EPA I.D.
No. TX0146552]*

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

P.O. Box 13087

Austin, Texas 78711-3087

PERMIT TO DISCHARGE WASTES

under provisions of

Section 402 of the Clean Water Act
and Chapter 26 of the Texas Water Code

City of Denison

whose mailing address is

300 West Main Street
Denison, Texas 75020

is authorized to treat and discharge filter backwash wastes from the Dean Rylant Water Treatment Facility, SIC Code 4941

located at 4631 Randell Lake Road, Denison, Grayson County, Texas 75020

to an unnamed tributary, thence to Shawnee Creek; thence to Red River Below Lake Texoma in Segment No. 0202 of the Red 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

INTERIM EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTSOutfall Number 001

1. During the period beginning upon the date of issuance and lasting through the completion to the 2.0 million gallons per day (MGD) facilities, the permittee is authorized to discharge subject to the following effluent limitations:

The daily average flow of effluent shall not exceed 1.45 MGD.

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Min. Self-Monitoring Requirements</u>	
	Daily Avg mg/l (lbs/day)	7-day Avg mg/l	Daily Max mg/l	Single Grab mg/l	Report Daily Avg. & Daily Max. Measurement Frequency	Sample Type
Flow, MGD	Report	N/A	Report	N/A	Continuous	Totalizing Meter
Total Suspended Solids	25 (302)	35	45	65	Two/week	Composite*

* The composite sample must consist of at least three portions collected over a period of not less than two hours. In the case of intermittent discharges of less than two hours duration, the composite sample must consist of at least three portions collected over the duration of the discharge. This provision supersedes the definitions in standard permit conditions No. 3a on page 4 of this permit.

2. 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.
3. There shall be no discharge of floating solids or visible foam in other than trace amounts and no discharge of visible oil.
4. Effluent monitoring samples shall be taken at the following location(s): Following the final treatment unit.

FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTSOutfall Number 001

1. During the period beginning upon the completion to the 2.0 million gallons per day (MGD) facilities and lasting through the date of expiration, the permittee is authorized to discharge subject to the following effluent limitations:

The daily average flow of effluent shall not exceed 2.0 MGD.

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Min. Self-Monitoring Requirements</u>	
	Daily Avg mg/l (lbs/day)	7-day Avg mg/l	Daily Max mg/l	Single Grab mg/l	Report Daily Avg. & Daily Max. Measurement Frequency	Sample Type
Flow, MGD	Report	N/A	Report	N/A	Continuous	Totalizing Meter
Total Suspended Solids	25 (417)	35	45	65	Two/week	Composite*

* Composite sample is to consist of at least three portions collected over a period of not less than two hours. In the case of intermittent discharges of less than two hours duration, the composite is to consist of at least three portions collected over the duration of the discharge. This provision supersedes the definitions in standard permit conditions No. 3a on page 4 of this permit.

2. 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.
3. There shall be no discharge of floating solids or visible foam in other than trace amounts and no discharge of visible oil.
4. Effluent monitoring samples shall be taken at the following location(s): Following the final treatment unit.

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 n th root of the product of all measurements made in a calendar month, where n equals the number of measurements made; or, computed as the antilogarithm of the arithmetic mean of the logarithms of all measurements made in a calendar month. For any measurement of bacteria equaling zero, a 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. Bypass - the intentional diversion of a waste stream from any portion of a treatment facility.

MONITORING AND REPORTING REQUIREMENTS

1. Self-Reporting

Monitoring results shall be provided at the intervals specified in the permit. Unless otherwise specified in this permit or otherwise ordered by the Commission, the permittee shall conduct effluent sampling and reporting in accordance with 30 TAC §§ 319.4 - 319.12. Unless otherwise specified, effluent monitoring data shall be submitted each month, to the Enforcement Division (MC 224), by the 20th day of the following month for each discharge which is described by this permit whether or not a discharge is made for that month. Monitoring results must be reported on an approved self-report form that is 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 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 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 Enforcement Division (MC 224) within five working days of becoming aware of the noncompliance. 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 Enforcement Division (MC 224) within 5 working days of becoming aware of the noncompliance.
 - d. Any noncompliance other than that specified in this section, or any required information not submitted or submitted incorrectly, shall be reported to the Enforcement Division (MC 224) as promptly as possible. For effluent limitation violations, noncompliances shall be reported on the approved self-report form.
8. In accordance with the procedures described in 30 TAC §§ 35.301 - 35.303 (relating to Water Quality Emergency and Temporary Orders) if the permittee knows in advance of the need for a bypass, it shall submit prior notice by applying for such authorization.
9. Changes in Discharges of Toxic Substances

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

- a. That any activity has occurred or will occur 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 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 Domestic Permits Team, Domestic Wastewater 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 Domestic Permits Team, Domestic Wastewater 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 Environmental Cleanup 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 Registration, Review, and Reporting 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 water treatment sludge only at a Texas Commission on Environmental Quality (TCEQ) registered or permitted land application site, commercial land application site or co-disposal landfill authorized to accept water treatment plant sludge.

The disposal of water treatment sludge 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 permitted or registered with the TCEQ. This provision does not authorize Distribution and Marketing of sludge.

SECTION I. REQUIREMENTS APPLYING TO ALL WATER TREATMENT SLUDGE LAND APPLICATION

A. General Requirements

1. The permittee shall handle and dispose of water treatment sludge in accordance with 30 TAC Chapter 312 Subchapter F 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 water treatment sludge meets the requirements in 40 CFR Part 257 concerning the quality of water treatment sludge disposed of by land application.
2. The permittee shall provide necessary information to the parties who receive the water treatment sludge to assure compliance with these regulations.

B. Operation Requirements and Regulated Management Conditions for Water Treatment Sludge

The operation and maintenance of a water treatment sludge disposal site must be in accordance with 30 TAC Chapter 312 Subchapter F and 40 CFR Part 257 as it relates to solid waste disposal. Specifically, land application of water treatment sludge shall meet the following requirements.

1. Land application of water treatment sludge shall not cause or contribute to the harm of a threatened or endangered species of plant, fish, or wildlife or result in the destruction or adverse modification of the critical habitat of a threatened or endangered species after application to agricultural land.
2. Land application of water treatment sludge shall not restrict the flow of the base flood, reduce the temporary water storage capacity of the flood plain, or result in washout of solid waste.
3. Land application of water treatment sludge shall be disposed of by a method and under conditions that prevents runoff beyond the active application area and protects the quality of the surface water.

4. Land application of water treatment sludge disposal shall not contaminate an underground drinking water source beyond the site boundary, as specified in 40 CFR 257.3-4.
5. Land application of water treatment sludge disposal practices shall not allow uncontrolled public access so as to expose the public to potential health and safety hazards at the disposal site.

C. Testing Requirements

1. Water treatment sludge shall be tested prior to sludge disposal 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, which receives the prior approval of the TCEQ for the contaminants listed in Table 1 of 40 CFR Section 261.24. Water treatment sludge 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 water treatment sludge 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 sludge 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 4**) 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, Registration and Reporting Section (MC 129) of the Permitting and Registration Support Division, 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 4) and the Enforcement Division (MC 224) by September 30th of each year.

2. Water treatment sludge shall be tested as needed, in accordance with the requirements of 30 TAC Chapter 312. The following pollutant limits shall apply to disposal of water treatment sludge on land used for the production of food chain crops.
 - a. Cadmium - Disposal of water treatment sludge on a site within three feet of the surface of land used for the production of food chain crops shall not exist or occur, unless in compliance with all requirements of the following paragraphs (i) or (ii).
 - i. (A) The pH of the water treatment sludge and soil mixture must be 6.5 or greater at the time of each application of sludge, except for water treatment sludge containing cadmium concentrations of 2 mg/kg (dry weight) or less.

- (B) The annual application rate for cadmium in sludge shall not exceed 0.5 kilograms per hectare.
- (C) The maximum cumulative application rate of cadmium, in kg/ha based on background soil pH, from sludge does not exceed the following levels:

<u>Background Soil pH</u>	<u>Soil Cation Exchange Capacity (CEC)</u> <u>meq/100 g of soil</u>		
	<u>0 - 5</u>	<u>5 - 15</u>	<u>>15</u>
pH < 6.5	5	5	5
pH > 6.5	5	10	20

- (D) The maximum cumulative application rate of cadmium from sludge on soils with a background pH of less than 6.5 shall not exceed the values listed in the table below, provided that the pH of the **sludge and soil mixture** is adjusted to and maintained at 6.5 or greater whenever food chain crops are grown.

<u>Parameter</u>	<u>Soil Cation Exchange Capacity (CEC)</u> <u>meq/100 g of soil</u>		
	<u>0 - 5</u>	<u>5 - 15</u>	<u>>15</u>
Cadmium, kg/ha	5	10	20

- ii. (A) The only food chain crop produced is animal feed.
- (B) The pH of the sludge and soil mixture is 6.5 or greater at the time of sludge application or at the time the crop is planted, whichever occurs later, and this pH level is maintained whenever food chain crops are grown.
- (C) A facility operating plan which demonstrates how the animal feed will be distributed to preclude ingestion by humans and describes the measures to be taken to safeguard against possible health hazards from cadmium entering the food chain, which may result from alternative land uses must be developed.
- (D) Future property owners are notified by a stipulation in the land record or property deed which states that the property has received sludge at high cadmium application rates and that food chain crops should not be grown, due to a possible health hazard.
- b. Polychlorinated Biphenyls (PCBs) - Water treatment sludge containing concentrations of PCBs equal to or greater than 10 mg/kg (dry weight) is incorporated into the soil when applied to land used for producing animal feed, including pasture crops for animals raised for milk. Incorporation of the solid waste into the soil is not required if it is assured that the PCBs content is less than 0.2 mg/kg (actual weight) in animal feed or less than 1.5

mg/kg (fat basis) in milk.

D. Record Keeping Requirements

The permittee, pursuant to 30 TAC Section 312 Subchapter F shall retain a record of all water treatment sludge testing performed and the concentration of Cadmium and PCBs and shall retain the information for a minimum of five (5) years. Records shall be readily available for review or submittal to the Executive Director upon request.

E. Reporting Requirements

The permittee shall report annually to the TCEQ Regional Office (MC Region 4) and the Enforcement Division (MC 224), by September 30th of each year the following information:

1. Annual sludge production in dry tons/year.
2. Amount of sludge disposed of in dry tons/year.
3. Identity of hauler and TCEQ transporter registration number.
4. Owner and location of the disposal site(s).
5. Certification that the water treatment sludge meets the requirements of 40 CFR Part 257 concerning the quality of the sludge being land applied.
6. The TCEQ Registration or Permit Number for the disposal site(s).
7. Toxicity Characteristic Leach Procedure (TCLP) results.

The above records shall be maintained on-site on a monthly basis, for a period of at least five (5) years and shall be made available to the Texas Commission on Environmental Quality upon request.

**SECTION II. REQUIREMENTS APPLYING TO ALL WATER TREATMENT
SLUDGE DISPOSED OF IN A MUNICIPAL SOLID WASTE
LANDFILL**

- A.** The permittee shall handle and dispose of water treatment sludge in accordance with 30 TAC Chapter 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 water treatment sludge meets the requirements in 30 TAC Chapter 330 concerning the quality of the sludge disposed of in a Municipal Solid Waste Landfill (MSWL).
- B.** The permittee shall ensure that the water treatment sludge meets the requirements in 40 CFR Part 258 concerning the quality of the sludge disposed of in a MSWL.
- C.** If the permittee generates water treatment sludge and supplies that sludge to the owner or operator of a MSWL for disposal, the permittee shall provide to the owner or operator of the MSWL appropriate information needed to be in compliance with the provisions of this permit.
- D.** Water treatment sludge shall be tested prior to sludge disposal in accordance with the method in both 40 CFR Part 261, Appendix II and 40 CFR Part 268, Appendix I [Toxicity Characteristic Leaching Procedure (TCLP)] or other method, which receives the prior approval of the TCEQ for the contaminants listed in Table 1 of 40 CFR Section 261.24. Water treatment sludge 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 water treatment sludge 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 that the water treatment sludge 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 4**) 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, Registration and Reporting Section (MC 129) of the Permitting and Registration Support Division, 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. The reporting period is from September 1 of previous year to August 31 of the current year. This annual report shall be submitted to the TCEQ Regional Office (**MC Region 4**) and the Land Application Team (MC 150) of the Water Quality Division by September 30 of each year.

- E.** Water treatment sludge 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.

H. Reporting Requirements

The permittee shall report annually to the TCEQ Regional Office (MC Region 4) and the Enforcement Division (MC 224), by September 30th of each year the following information:

1. Toxicity Characteristic Leaching Procedure (TCLP) results.
2. Annual sludge production in dry tons/year.
3. Amount of sludge disposed of in a municipal solid waste landfill in dry tons/year.
4. Amount of sludge transported interstate in dry tons/year.
5. A certification that the water treatment sludge meets the requirements of 30 TAC Chapter 330 concerning the quality of the sludge disposed of in a municipal solid waste landfill.
6. Identity of hauler(s) and transporter registration number.
7. Owner of disposal site(s).
8. Location of disposal site(s).
9. Date(s) of disposal.

The above records shall be maintained on-site on a monthly basis, for a period of at least five (5) years and shall be made available to the Texas Commission on Environmental Quality upon request.

**SECTION III. REQUIREMENTS APPLYING TO ALL WATER TREATMENT
SLUDGE STORED IN A WATER TREATMENT SLUDGE LAGOON**

The final disposal of water treatment sludge at the plant site is a violation of this permit. Water treatment sludge placed in water treatment sludge lagoon(s) is for temporary storage only. Water treatment sludge will ultimately be disposed of in accordance with the closure plan as required in item (B).

- A. The permittee shall maintain a minimum of two feet of freeboard in the water treatment sludge lagoon(s).
- B. The permittee shall submit a closure plan for the water treatment sludge lagoon(s) at least 180 days prior to planned closure to the Executive Director in care of the Domestic Wastewater Permits Team (MC 148) of the Water Quality Division for approval.

OTHER REQUIREMENTS

1. These water treatment facilities shall be operated at all times under the direct supervision of a water works operator who holds an applicable, valid license issued by the TCEQ executive director.
2. The permittee shall operate and maintain these facilities in accordance with accepted practices.
3. The permittee shall monitor and report data on the effluent discharge.
4. Reporting requirements according to 30 TAC §§ 319.1-319.11 and any additional effluent reporting requirements contained in this permit are suspended from the effective date of the permit until plant startup or discharge, whichever occurs first, from the facility described by this permit. The permittee shall provide written notice to the TCEQ Regional Office (MC Region 4) and the Applications Review and Processing Team (MC 148) of the Water Quality Division, in writing at least forty-five (45) days prior to plant startup or anticipated discharge, whichever occurs first, and prior to completion of each additional phase on Notification of Completion Form 20007.
5. Prior to fulfillment of Other Requirement No. 4 and plant startup, the permittee shall operate under the Conventional Water Treatment Plant General Permit No. TXG640000. The permittee shall provide a Notice of Termination for the General Permit upon startup and the start of the Interim phase of this permit.

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

DESCRIPTION OF APPLICATION

Applicant:	City of Denison Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016612001, EPA ID No. TX0146552
Regulated Activity:	Discharge of treated filter backwash effluent from a water treatment plant
Type of Application:	New Permit
Request:	New Permit
Authority:	Federal Clean Water Act (CWA) § 402; Texas Water Code (TWC) § 26.027; 30 Texas Administrative Code (TAC) Chapters 30, 305, 307, 309, 312, and 319; Commission policies; and United States Environmental Protection Agency (EPA) guidelines.

EXECUTIVE DIRECTOR RECOMMENDATION

The Executive Director has made a preliminary decision that this permit, if issued, meets all statutory and regulatory requirements. The draft permit includes an expiration date of **five years from the date of issuance**.

REASON FOR PROPOSED PROJECT

The applicant has applied to the Texas Commission on Environmental Quality (TCEQ) for a new permit to authorize the discharge of treated, blended conventional and UF filter backwash effluent at a daily average flow not to exceed 1.45 million gallons per day (MGD) in the interim phase and a daily average flow not to exceed 2.0 MGD in the final phase. This facility was previously permitted under the general permit No. TXG640000, which has become outdated due to a new innovative treatment technology being proposed. The existing water treatment facility serves the City of Denison.

PROJECT DESCRIPTION AND LOCATION

Filter backwash from the water treatment plant is treated in the sedimentation ponds. Treatment units in the Interim phase, UF membranes, will include two UF backwash supply pumps to supply backwash water to the membranes. The UF backwash waste will flow by gravity to the sedimentation ponds using the existing plant drain system. The Final phase will include a second membrane facility.

The water treatment facility includes a pond system and sludge from the ponds has not been removed for sludge disposal to date. The draft permit also authorizes the disposal of sludge at a TCEQ authorized land application site or co-disposal landfill.

The plant site is located at 4631 Randell Lake Road, Denison, in Grayson County, Texas 75020.

The treated effluent is discharged to an unnamed tributary, thence to Shawnee Creek; thence to Red River Below Lake Texoma in Segment No. 0202 of the Red River Basin. The unclassified receiving water uses are minimal aquatic life use for the unnamed tributary and high aquatic life use for Shawnee Creek. The designated uses for Segment No. 0202 are primary contact recreation, public water supply, high aquatic life use. The effluent limitations in the draft permit will maintain and protect the existing instream uses. In accordance with 30 Texas Administrative Code §307.5 and the TCEQ Procedures to Implement the Texas Surface Water Quality Standards (June 2010), an antidegradation review of the receiving waters was performed. A Tier 1 antidegradation review has preliminarily determined that existing water quality uses will not be impaired by this permit action. Numerical and narrative criteria to protect existing uses will be maintained. A Tier 2 review has preliminarily determined that no significant degradation of water quality is expected in Shawnee Creek, which has been identified as having high aquatic life use. Existing uses will be maintained and protected. The preliminary determination can be reexamined and may be modified if new information is received.

Effluent limitations for the conventional effluent parameters (i.e., Total Suspended Solids) are based on stream standards and waste load allocations for water-quality limited streams as established in the Texas Water Quality Standards (TSWQS).

For this type of discharge, end-of-pipe compliance with pH limits between 6.0 and 9.0 standard units reasonably assures instream compliance with the TSWQS for pH when the discharge authorized is from a minor facility.

The effluent limits have been reviewed for consistency with the State of Texas Water Quality Management Plan (WQMP). The WQMP consideration does not apply to this facility as stated in the latest EPA approved Water Quality Management Program Continuing Planning Process. A Waste Load Evaluation (WLE) has been completed for this segment (but the WLE does not include requirements or recommendations specifically applicable to potable water treatment plant discharges).

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 consider aquatic or aquatic dependent species occurring in watersheds of critical concern or high priority as listed in Appendix A of the USFWS biological opinion. Though the piping plover, *Charadrius melodus* Ord, can occur in Grayson County, the discharge is not to a watershed of high priority per 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. 0202 is not currently listed on the state's inventory of impaired and threatened waters (the 2022 CWA § 303(d) list).

SUMMARY OF EFFLUENT DATA

The following is a summary of the applicant's effluent monitoring data for the period July 2023

through July 2025. The average of Daily Average value is computed by averaging of all 30-day average values for the reporting period for each parameter: flow and total suspended solids (TSS).

<u>Parameter</u>	<u>Average of Daily Average</u>
Flow, MGD	0.37
TSS, mg/l	5.76

DRAFT PERMIT CONDITIONS

The draft permit authorizes a discharge of treated filter backwash effluent at an Interim volume not to exceed a daily average flow of 1.45 MGD and a Final volume not to exceed a daily average flow of 2.0 MGD.

The effluent limitation in the Interim phase of the draft permit, based on a 30-day average, is 25 mg/l total suspended solids (TSS). The effluent limitation in the Final phase of the draft permit, based on a 30-day average, is 25 mg/l TSS.

The draft permit includes Sludge Provisions according to the requirements of 30 TAC Chapter 312, Sludge Use, Disposal, and Transportation. The water treatment facility includes a pond system and sludge from the ponds has not been removed for sludge disposal to date. The draft permit also authorizes the disposal of sludge at a TCEQ authorized land application site or co-disposal landfill.

SUMMARY OF CHANGES FROM APPLICATION

None.

BASIS FOR DRAFT PERMIT

The following items were considered in developing the permit draft:

1. Application received on September 3, 2024, and additional information received on September 23, 2024 and September 17, 2025.
2. This facility was previously permitted under general permit TXG640000.
3. The effluent limitations and/or conditions in the draft permit comply with the TSWQS, 30 TAC §§ 307.1 - 307.10, effective July 22, 2010 and the EPA-approved portions of the 2014 TSWQS, effective March 6, 2014.
4. The effluent limitations in the draft permit are based on Best Professional Judgment. The effluent limits are consistent with other water treatment plant permits.
5. Interoffice Memoranda from the Water Quality Assessment Section of the TCEQ Water Quality Division.
6. Consistency with the Coastal Management Plan: The facility is not located in the Coastal Management Program boundary.

7. *Procedures to Implement the Texas Surface Water Quality Standards (IP)*, Texas Commission on Environmental Quality, June 2010, as approved by EPA, and the IP, January 2003, for portions of the 2010 IP not approved by EPA.
8. 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.
9. 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.

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

City of Denison

TPDES Permit No. WQ0016612001

Statement of Basis/Technical Summary and Executive Director's Preliminary Decision

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 Garrison Layne at (512) 239-0849.

Garrison Layne
Domestic Permits Team
Domestic Wastewater Section (MC 148)

Date