



Technical Package Cover Page

This file contains the following documents:

1. Summary of application (in plain language)
 - English
 - Alternative Language (Spanish)
 2. First notice (NORI-Notice of Receipt of Application and Intent to Obtain a Permit)
 - English
 - Alternative Language (Spanish)
 3. Second notice (NAPD-Notice of Preliminary Decision)
 - English
 - Alternative Language (Spanish)
 4. Application materials *
 5. Draft permit *
 6. Technical summary or fact sheet *
-



Portada de Paquete Técnico

Este archivo contiene los siguientes documentos:

1. Resumen de la solicitud (en lenguaje sencillo)
 - Inglés
 - Idioma alternativo (español)
2. Primer aviso (NORI, Aviso de Recepción de Solicitud e Intención de Obtener un Permiso)
 - Inglés
 - Idioma alternativo (español)
3. Segundo aviso (NAPD, Aviso de Decisión Preliminar)
 - Inglés
 - Idioma alternativo (español)
4. Materiales de la solicitud **
5. Proyecto de permiso **
6. Resumen técnico u hoja de datos **



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

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

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

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

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

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS 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.

GB878 LLC (CN605905983) proposes to operate Seven Springs WWTP (RN TBD), an activated sludge process operating in the complete mix mode. The facility will be located at approximately 1.0 miles northeast of the intersection of CR 175 and CR 134, in Weston, Collin County, Texas 75097. This is a new application to discharge at a daily flow up to 500,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD₅), total suspended solids (TSS), ammonia nitrogen (NH₃-N) and *E. coli*. Domestic wastewater will be treated by an activated sludge process plant.

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

AGUAS RESIDUALES DOMÉSTICAS /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.

GB878 LLC (CN605905983) propone operar la Seven Springs WWTP RN TBD, un proceso de lodos activados que opera en el modo de mezcla complete. La instalación estará ubicada en 1.0 millas al noreste de la intersección de CR 175 y CR 134 , en Weston, Condado de Collin, Texas 75097. Esta es una nueva aplicación para descargar a un flujo diario hasta 500,000 galones por día de aguas residuales domésticas tratadas.

Se espera que las descargas de la instalación contengan contengan una demanda bioquímica de oxígeno carbonoso de cinco días, nitrógeno amoniacal, y E. coli. Las aguas residuales domesticas serán. está tratado por mediante un proceso lodos activados.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

PROPOSED PERMIT NO. WQ0016628001

APPLICATION. GB878 LLC, 5501 Headquarters Drive, Suite 300, Plano, Texas 75024, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016628001 (EPA I.D. No. TX0146668) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 500,000 gallons per day. The domestic wastewater treatment facility will be located approximately 1.0 mile northeast of the intersection of County Road 134 and County Road 175, near the city of Weston, in Collin County, Texas 75009. The discharge route will be from the plant site to an unnamed tributary; thence to East Fork Trinity River; thence to Lake Lavon. TCEQ received this application on September 18, 2024. The permit application will be available for viewing and copying at Roy & Helen Hall Memorial Library, help desk, 101 East Hunt Street, McKinney, in Collin County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage:

<https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-96.665,33.368055&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 GB878 LLC at the address stated above or by calling Ms. Laura Preston, P.E., LJA Engineering, Inc., at 214-442-6579.

Issuance Date: October 3, 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. WQ0016628001

SOLICITUD. GB878 LLC, 5501 Headquarters Drive, Suite 300W, Plano, Texas 75024 ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para el propuesto Permiso No. WQ0016628001 (EPA I.D. No. TX0146668) 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 500,000 galones por día. La planta está ubicada 1 millas al noreste de la intersección de CR 175 y CR 134 en el Condado de Collin, Texas. La ruta de descarga es del sitio de la planta a un afluente intermitente sin nombre, de allí a el East Fork Trinity River, de allí a Lavon lago. La TCEQ recibió esta solicitud el 18 de Septiembre de 2024. La solicitud para el permiso estará disponible para leerla y copiarla en Roy & Helen Hall Memorial Library, 101 East Hunt Street, McKinney, Condado de Collin, Texas antes de la fecha de publicación de este aviso en el periódico. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.

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

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

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

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

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

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

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

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

CONTACTOS E INFORMACIÓN A LA AGENCIA. Todos los comentarios públicos y solicitudes deben ser presentadas electrónicamente vía <http://www14.tceq.texas.gov/epic/eComment/> o por escrito dirigidos a la Comisión de Texas de Calidad Ambiental, Oficial de la Secretaría (Office of Chief Clerk), MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Tenga en cuenta que

cualquier información personal que usted proporcione, incluyendo su nombre, número de teléfono, dirección de correo electrónico y dirección física pasarán a formar parte del registro público de la Agencia. Para obtener más información acerca de esta solicitud de permiso o el proceso de permisos, llame al programa de educación pública de la TCEQ, gratis, al 1-800-687-4040. Si desea información en Español, puede llamar al 1-800-687-4040.

También se puede obtener información adicional del GB878 LLC a la dirección indicada arriba o llamando a Ms. Laura Preston, Assistant Project Manager, LJA Engineering, Inc. al 214-442-6579.

Fecha de emission: 03 de octubre de 2024

Texas Commission on Environmental Quality



COMBINED

NOTICE OF RECEIPT OF APPLICATION AND INTENT TO OBTAIN WATER QUALITY PERMIT (NORI)

AND

NOTICE OF APPLICATION AND PRELIMINARY DECISION FOR TPDES PERMIT FOR MUNICIPAL WASTEWATER (NAPD)

NEW

PERMIT NO. WQ0016628001

APPLICATION AND PRELIMINARY DECISION. GB878 LLC, 5501 Headquarters Drive, Suite 300, Plano, Texas 75024, has applied to the Texas Commission on Environmental Quality (TCEQ) for new Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016628001, to authorize the discharge of treated domestic wastewater at a daily average flow not to exceed 500,000 gallons per day. TCEQ received this application on September 18, 2024.

This combined notice is being issued to correct the public viewing location from what was previously stated in the NORI issued October 3, 2024.

The facility will be located approximately 1.0 mile northeast of the intersection of County Road 134 and County Road 175, in Collin County, Texas 75009. The treated effluent will be discharged to an unnamed tributary, thence to East Fork Trinity River, thence to Lake Lavon in Segment No. 0821 of the Trinity River Basin. The unclassified receiving water uses are limited aquatic life use for the unnamed tributary, and high aquatic life use for East Fork Trinity River. The designated uses for Segment No. 0821 are primary contact recreation, public water supply, and high aquatic life use. 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 East Fork Trinity River, 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=-96.665,33.368055&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 **John & Judy Gay Public Library, help desk, 6861 Eldorado Parkway, McKinney, in Collin County, Texas.** The application, including any updates, and associated notices are available electronically at the following webpage:

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

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 GB878 LLC at the address stated above or by calling Ms. Laura Preston, P.E., LJA Engineering, Inc., at 214-442-6579.

Issuance Date: June 19, 2025

Comisión De Calidad Ambiental Del Estado De Texas



AVISO COMBINADO DE RECEPCIÓN DE SOLICITUDE INTENCIÓN DE OBTENER PERMISO DE CALIDAD DEL AGUA (NORI)

Y

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 (NAPD)

NUEVO

PERMISO NO. WQ0016628001

SOLICITUD Y DECISIÓN PRELIMINAR. GB878 LLC, 5501 Headquarters Drive, Suite 300, Plano, Texas 75024, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) por un nuevo para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 500,000 galones por día. La TCEQ recibió esta solicitud el 18 de septiembre de 2024.

Este aviso combinado se emite para corregir la ubicación de visualización pública de lo que se indicó anteriormente en el NORI emitido el 3 de octubre de 2024.

La planta está ubicada en aproximadamente 1,0 millas nordeste de la intersección de carretera del condado 134 y carretera del condado 175 en el Condado de Collin, 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=-96.665,33.368055&level=18>

El efluente tratado es descargado al un afluente sin nombre, de allí al East Fork Trinity River, de allí al lago Lavon en el Segmento No. 0821 de la Cuenca del Río Trinity. Los usos no clasificados de las aguas receptoras son limitados usos de la vida acuática para el afluente sin nombre y elevados usos de la vida acuática para el East Fork Trinity River. Los usos designados para el Segmento No. 0821 son elevados uso de vida acuática; abastecimiento de agua potable; recreación contacto.

Option 1: 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 un afluente sin nombre, East Fork Trinity River, y lago Lavon, el cual se ha identificado que tiene altos 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 John & Judy Gay Library, help desk, 6861 Eldorado Parkway, McKinney, en Collin County, 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 porqué 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 del GB878 LLC a la dirección indicada arriba o llamando a Ms. Laura Preston, P.E., LJA Engineering, Inc. al 214-442-6579.

Fecha de emission: 19 de junio de 2025



TPDES PERMIT NO. WQ0016628001
[For TCEQ office use only - EPA I.D.
No. TX0146668]

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

GB878 LLC

whose mailing address is

5501 Headquarters Drive, Suite 300
Plano, Texas 75024

is authorized to treat and discharge wastes from the Seven Springs Wastewater Treatment Facility, SIC Code 4952

located approximately 1.0 mile northeast of the intersection of County Road 134 and County Road 175, in Collin County, Texas 75009

to an unnamed tributary, thence to East Fork Trinity River, thence to Lake Lavon in Segment No. 0821 of the Trinity 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 I EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTSOutfall Number 001

1. During the period beginning upon the date of issuance and lasting through completion of expansion to the 0.25 million gallons per day (MGD) facility, the permittee is authorized to discharge subject to the following effluent limitations:

The daily average flow of effluent shall not exceed 0.125 MGD, nor shall the average discharge during any two-hour period (2-hour peak) exceed 347 gallons per minute.

<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. & Max. Single Grab Measurement Frequency	Sample Type
Flow, MGD	Report	N/A	Report	N/A	Continuous	Totalizing Meter
Carbonaceous Biochemical Oxygen Demand (5-day)	10 (10)	15	25	35	One/week	Grab
Total Suspended Solids	15 (16)	25	40	60	One/week	Grab
Ammonia Nitrogen	3 (3.1)	6	10	15	One/week	Grab
Total Phosphorus	0.5 (0.52)	1	2	3	One/week	Grab
<i>E. coli</i> , colony-forming units or most probable number per 100 ml	126	N/A	N/A	399	One/month	Grab

2. The effluent shall contain a total chlorine residual of at least 1.0 mg/l and shall not exceed a total chlorine residual of 4.0 mg/l after a detention time of at least 20 minutes (based on peak flow), and shall be monitored five times per week by grab sample. An equivalent method of disinfection may be substituted only with prior approval of the Executive Director.
3. The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored once per month by grab sample.
4. There shall be no discharge of floating solids or visible foam in other than trace amounts and no discharge of visible oil.
5. Effluent monitoring samples shall be taken at the following location(s): Following the final treatment unit.
6. The effluent shall contain a minimum dissolved oxygen of 4.0 mg/l and shall be monitored once per week by grab sample.

INTERIM II EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTSOutfall Number 001

1. During the period beginning upon completion of expansion to the 0.25 million gallons per day (MGD) facility and lasting through completion of expansion to the 0.50 MGD facility, the permittee is authorized to discharge subject to the following effluent limitations:

The daily average flow of effluent shall not exceed 0.25 MGD, nor shall the average discharge during any two-hour period (2-hour peak) exceed 694 gallons per minute.

<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. & Max. Single Grab Measurement Frequency	Sample Type
Flow, MGD	Report	N/A	Report	N/A	Continuous	Totalizing Meter
Carbonaceous Biochemical Oxygen Demand (5-day)	10 (21)	15	25	35	One/week	Grab
Total Suspended Solids	15 (31)	25	40	60	One/week	Grab
Ammonia Nitrogen	3 (6.3)	6	10	15	One/week	Grab
Total Phosphorus	0.5 (1.0)	1	2	3	One/week	Grab
<i>E. coli</i> , colony-forming units or most probable number per 100 ml	126	N/A	N/A	399	One/month	Grab

2. The effluent shall contain a total chlorine residual of at least 1.0 mg/l and shall not exceed a total chlorine residual of 4.0 mg/l after a detention time of at least 20 minutes (based on peak flow), and shall be monitored five times per week by grab sample. An equivalent method of disinfection may be substituted only with prior approval of the Executive Director.
3. The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored once per month by grab sample.
4. There shall be no discharge of floating solids or visible foam in other than trace amounts and no discharge of visible oil.
5. Effluent monitoring samples shall be taken at the following location(s): Following the final treatment unit.
6. The effluent shall contain a minimum dissolved oxygen of 4.0 mg/l and shall be monitored once per week by grab sample.

FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTSOutfall Number 001

1. During the period beginning upon completion of expansion to the 0.50 million gallons per day (MGD) facility 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 0.50 MGD, nor shall the average discharge during any two-hour period (2-hour peak) exceed 1,389 gallons per minute.

<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
Carbonaceous Biochemical Oxygen Demand (5-day)	10 (42)	15	25	35	One/week	Composite
Total Suspended Solids	15 (63)	25	40	60	One/week	Composite
Ammonia Nitrogen	3 (13)	6	10	15	One/week	Composite
Total Phosphorus	0.5 (2.1)	1	2	3	One/week	Composite
<i>E. coli</i> , colony-forming units or most probable number per 100 ml	126	N/A	399	N/A	One/month	Grab

2. The effluent shall contain a total chlorine residual of at least 1.0 mg/l after a detention time of at least 20 minutes (based on peak flow) and shall be monitored daily by grab sample at each chlorine contact chamber. The permittee shall dechlorinate the chlorinated effluent to less than 0.1 mg/l total chlorine residual and shall monitor total chlorine residual daily by grab sample after the dechlorination process. An equivalent method of disinfection may be substituted only with prior approval of the Executive Director.
3. The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored twice per month by grab sample.
4. There shall be no discharge of floating solids or visible foam in other than trace amounts and no discharge of visible oil.
5. Effluent monitoring samples shall be taken at the following location(s): Following the final treatment unit.
6. The effluent shall contain a minimum dissolved oxygen of 5.0 mg/l and shall be monitored once per week by grab sample.

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. The term "biosolids" is defined as sewage sludge that has been tested or processed to meet Class A, Class AB, or Class B pathogen standards in 30 TAC Chapter 312 for beneficial use.
- 7. Bypass - the intentional diversion of a waste stream from any portion of a treatment facility.

MONITORING AND REPORTING REQUIREMENTS

1. Self-Reporting

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

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

2. Test Procedures

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

3. Records of Results

- a. Monitoring samples and measurements shall be taken at times and in a manner so as to

be representative of the monitored activity.

- b. Except for records of monitoring information required by this permit related to the permittee's sewage sludge use or biosolids 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. For Publicly Owned Treatment Works (POTWs), effective December 21, 2025, the permittee must submit the written report for unauthorized discharges and unanticipated bypasses that exceed any effluent limit in the permit using the online electronic reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver. The written submission shall contain a description of the noncompliance and its cause; the potential danger to human health or safety, or the environment; the period of noncompliance, including exact dates and times; if the noncompliance has not been corrected, the time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance, and to mitigate its adverse effects.
 - b. The following violations shall be reported under Monitoring and Reporting Requirement 7.a.:
 - i. Unauthorized discharges as defined in Permit Condition 2(g).
 - ii. Any unanticipated bypass that exceeds any effluent limitation in the permit.
 - iii. Violation of a permitted maximum daily discharge limitation for pollutants listed specifically in the Other Requirements section of an Industrial TPDES permit.
 - c. In addition to the above, any effluent violation which deviates from the permitted effluent limitation by more than 40% shall be reported by the permittee in writing to the Regional Office and the 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 or biosolids use and disposal and 30 TAC §§ 319.21 - 319.29 concerning the discharge of certain hazardous metals.
3. Domestic wastewater treatment facilities shall comply with the following provisions:
 - a. The permittee shall notify the Municipal Permits Team, Wastewater Permitting Section (MC 148) of the Water Quality Division, in writing, of any facility expansion at least 90 days prior to conducting such activity.
 - b. The permittee shall submit a closure plan for review and approval to the Municipal Permits Team, Wastewater Permitting Section (MC 148) of the Water Quality Division, for any closure activity at least 90 days prior to conducting such activity. Closure is the act of permanently taking a waste management unit or treatment facility out of service and includes the permanent removal from service of any pit, tank, pond, lagoon, surface impoundment and/or other treatment unit regulated by this permit.
4. The permittee is responsible for installing prior to plant start-up, and subsequently maintaining, adequate safeguards to prevent the discharge of untreated or inadequately treated wastes during electrical power failures by means of alternate power sources, standby generators, and/or retention of inadequately treated wastewater.
5. Unless otherwise specified, the permittee shall provide a readily accessible sampling point and, where applicable, an effluent flow measuring device or other acceptable means by which effluent flow may be determined.

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

7. Documentation

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

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

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

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

secured.

- c. Permits for domestic wastewater treatment plants are granted subject to the policy of the Commission to encourage the development of area-wide waste collection, treatment, and disposal systems. The Commission reserves the right to amend any domestic wastewater permit in accordance with applicable procedural requirements to require the system covered by this permit to be integrated into an area-wide system, should such be developed; to require the delivery of the wastes authorized to be collected in, treated by or discharged from said system, to such area-wide system; or to amend this permit in any other particular to effectuate the Commission's policy. Such amendments may be made when the changes required are advisable for water quality control purposes and are feasible on the basis of waste treatment technology, engineering, financial, and related considerations existing at the time the changes are required, exclusive of the loss of investment in or revenues from any then existing or proposed waste collection, treatment or disposal system.
9. Domestic wastewater treatment plants shall be operated and maintained by sewage plant operators holding a valid certificate of competency at the required level as defined in 30 TAC Chapter 30.
 10. For Publicly Owned Treatment Works (POTWs), the 30-day average (or monthly average) percent removal for BOD and TSS shall not be less than 85%, unless otherwise authorized by this permit.
 11. Facilities that generate industrial solid waste as defined in 30 TAC § 335.1 shall comply with these provisions:
 - a. Any solid waste, as defined in 30 TAC § 335.1 (including but not limited to such wastes as garbage, refuse, sludge from a waste treatment, water supply treatment plant or air pollution control facility, discarded materials, discarded materials to be recycled, whether the waste is solid, liquid, or semisolid), generated by the permittee during the management and treatment of wastewater, must be managed in accordance with all applicable provisions of 30 TAC Chapter 335, relating to Industrial Solid Waste Management.
 - b. Industrial wastewater that is being collected, accumulated, stored, or processed before discharge through any final discharge outfall, specified by this permit, is considered to be industrial solid waste until the wastewater passes through the actual point source discharge and must be managed in accordance with all applicable provisions of 30 TAC Chapter 335.
 - c. The permittee shall provide written notification, pursuant to the requirements of 30 TAC § 335.8(b)(1), to the Corrective Action Section (MC 127) of the Remediation Division informing the Commission of any closure activity involving an Industrial Solid Waste Management Unit, at least 90 days prior to conducting such an activity.
 - d. Construction of any industrial solid waste management unit requires the prior written notification of the proposed activity to the Registration and Reporting Section (MC 129) of the Permitting and Registration Support Division. No person shall dispose of industrial solid waste, including sludge or other solids from wastewater treatment processes, prior to fulfilling the deed recordation requirements of 30 TAC § 335.5.

- e. The term “industrial solid waste management unit” means a landfill, surface impoundment, waste-pile, industrial furnace, incinerator, cement kiln, injection well, container, drum, salt dome waste containment cavern, or any other structure vessel, appurtenance, or other improvement on land used to manage industrial solid waste.
- f. The permittee shall keep management records for all sludge (or other waste) removed from any wastewater treatment process. These records shall fulfill all applicable requirements of 30 TAC § 335 and must include the following, as it pertains to wastewater treatment and discharge:
 - i. Volume of waste and date(s) generated from treatment process;
 - ii. Volume of waste disposed of on-site or shipped off-site;
 - iii. Date(s) of disposal;
 - iv. Identity of hauler or transporter;
 - v. Location of disposal site; and
 - vi. Method of final disposal.

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

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

TCEQ Revision 06/2020

SLUDGE PROVISIONS

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

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

A. General Requirements

1. The permittee shall handle and dispose of sewage sludge or biosolids in accordance with 30 TAC § 312 and all other applicable state and federal regulations in a manner that protects public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants that may be present in the sludge or biosolids.
2. In all cases, if the person (permit holder) who prepares the sewage sludge supplies the sewage sludge to another person for land application use or to the owner or lease holder of the land, the permit holder shall provide necessary information to the parties who receive the sludge to assure compliance with these regulations.
3. The land application of processed or unprocessed chemical toilet waste, grease trap waste, grit trap waste, milk solids, or similar non-hazardous municipal or industrial solid wastes, or any of the wastes listed in this provision combined with biosolids, WTP residuals or domestic septage is prohibited unless the grease trap waste is added at a fats, oil and grease (FOG) receiving facility as part of an anaerobic digestion process.

B. Testing Requirements

1. Sewage sludge or biosolids shall be tested once during the term of this permit in accordance with the method specified in both 40 CFR Part 261, Appendix II and 40 CFR Part 268, Appendix I [Toxicity Characteristic Leaching Procedure (TCLP)] or other method that receives the prior approval of the TCEQ for the contaminants listed in 40 CFR Part 261.24, Table 1. Sewage sludge or biosolids failing this test shall be managed according to RCRA standards for generators of hazardous waste, and the waste's disposition must be in accordance with all applicable requirements for hazardous waste processing, storage, or disposal. Following failure of any TCLP test, the management or disposal of sewage sludge or biosolids at a facility other than an authorized hazardous waste processing, storage, or disposal facility shall be prohibited until such time as the permittee can demonstrate the sewage sludge or biosolids no longer exhibits the hazardous waste toxicity characteristics (as demonstrated by the results of the TCLP tests). A written report shall be provided to both the TCEQ Registration and Reporting Section (MC 129) of the Permitting and Registration Support Division and the Regional Director (MC Region 4) within seven (7) days after failing the TCLP Test.

The report shall contain test results, certification that unauthorized waste management has stopped, and a summary of alternative disposal plans that comply with RCRA standards for the management of hazardous waste. The report shall be addressed to: Director, Permitting and Registration Support Division (MC 129), Texas Commission on Environmental Quality, P.O. Box 13087, Austin, Texas 78711-3087. In addition, the permittee shall prepare an annual report on the results of all sludge toxicity testing. The permittee must submit this annual report by September 30th of each year, using the online electronic reporting system available through TCEQ's website. If the permittee requests and obtains an electronic reporting waiver, the annual report can be submitted in hard copy to the TCEQ Regional Office (MC Region 4) and the Enforcement Division (MC 224).

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

TABLE 1

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

* Dry weight basis

3. Pathogen Control

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

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

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

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

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

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

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

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

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

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

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

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

criteria.

Alternative 1

- i. A minimum of seven random samples of the sewage sludge shall be collected within 48 hours of the time the sewage sludge is used or disposed of during each monitoring episode for the sewage sludge.
- ii. The geometric mean of the density of fecal coliform in the samples collected shall be less than either 2,000,000 MPN per gram of total solids (dry weight basis) or 2,000,000 Colony Forming Units per gram of total solids (dry weight basis).

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

- i. Prior to use or disposal, all the sewage sludge must have been generated from a single location, except as provided in paragraph v. below;
- ii. An independent Texas Licensed Professional Engineer must make a certification to the generator of a sewage sludge that the wastewater treatment facility generating the sewage sludge is designed to achieve one of the PSRP at the permitted design loading of the facility. The certification need only be repeated if the design loading of the facility is increased. The certification shall include a statement indicating the design meets all the applicable standards specified in Appendix B of 40 CFR Part 503;
- iii. Prior to any off-site transportation or on-site use or disposal of any sewage sludge generated at a wastewater treatment facility, the chief certified operator of the wastewater treatment facility or other responsible official who manages the processes to significantly reduce pathogens at the wastewater treatment facility for the permittee, shall certify that the sewage sludge underwent at least the minimum operational requirements necessary in order to meet one of the PSRP. The acceptable processes and the minimum operational and record keeping requirements shall be in accordance with established U.S. Environmental Protection Agency final guidance;
- iv. All certification records and operational records describing how the requirements of this paragraph were met shall be kept by the generator for a minimum of three years and be available for inspection by commission staff for review; and
- v. If the sewage sludge is generated from a mixture of sources, resulting from a person who prepares sewage sludge from more than one wastewater treatment facility, the resulting derived product shall meet one of the PSRP, and shall meet the certification, operation, and record keeping requirements of this paragraph.

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

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

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

- ii. Prior to any off-site transportation or on-site use or disposal of any sewage sludge generated at a wastewater treatment facility, the chief certified operator of the wastewater treatment facility or other responsible official who manages the processes to significantly reduce pathogens at the wastewater treatment facility for the permittee, shall certify that the sewage sludge underwent at least the minimum operational requirements necessary in order to meet one of the PSRP. The acceptable processes and the minimum operational and record keeping requirements shall be in accordance with established U.S. Environmental Protection Agency final guidance;
- iii. All certification records and operational records describing how the requirements of this paragraph were met shall be kept by the generator for a minimum of three years and be available for inspection by commission staff for review;
- iv. The Executive Director will accept from the U.S. Environmental Protection Agency a finding of equivalency to the defined PSRP; and
- v. If the sewage sludge is generated from a mixture of sources resulting from a person who prepares sewage sludge from more than one wastewater treatment facility, the resulting derived product shall meet one of the Processes to Significantly Reduce Pathogens, and shall meet the certification, operation, and record keeping requirements of this paragraph.

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

- i. Food crops with harvested parts that touch the biosolids /soil mixture and are totally above the land surface shall not be harvested for 14 months after application of biosolids.
- ii. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after application of biosolids when the biosolids remain on the land surface for 4 months or longer prior to incorporation into the soil.
- iii. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months after application of biosolids when the biosolids remain on the land surface for less than 4 months prior to incorporation into the soil.
- iv. Food crops, feed crops, and fiber crops shall not be harvested for 30 days after application of biosolids.
- v. Domestic livestock shall not be allowed to graze on the land for 30 days after application of biosolids.
- vi. Turf grown on land where biosolids are applied shall not be harvested for 1 year after application of the biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn.
- vii. Public access to land with a high potential for public exposure shall be restricted for 1 year after application of biosolids.

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

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

4. Vector Attraction Reduction Requirements

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

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

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

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

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

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

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

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

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

Alternative 9 -

- i. Biosolids shall be injected below the surface of the land.
- ii. No significant amount of the biosolids shall be present on the land surface within one hour after the biosolids are injected.
- iii. When sewage sludge that is injected below the surface of the land is Class A or Class AB with respect to pathogens, the biosolids shall be injected below the land surface within eight hours after being discharged from the pathogen treatment process.

Alternative 10 -

- i. Biosolids applied to the land surface or placed on a surface disposal site shall be incorporated into the soil within six hours after application to or placement on the land.
- ii. When biosolids that is incorporated into the soil is Class A or Class AB with respect to pathogens, the biosolids shall be applied to or placed on the land within eight hours after being discharged from the pathogen treatment process.

C. Monitoring Requirements

Toxicity Characteristic Leaching Procedure (TCLP) Test	- once during the term of this permit
PCBs	- once during the term of this permit

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

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

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

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

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

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

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

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

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

A. Pollutant Limits

Table 2

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

Table 3

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

*Dry weight basis

B. Pathogen Control

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

C. Management Practices

1. Bulk biosolids shall not be applied to agricultural land, forest, a public contact site, or a reclamation site that is flooded, frozen, or snow-covered so that the bulk biosolids enters a wetland or other waters in the State.
2. Bulk biosolids not meeting Class A biosolids requirements shall be land applied in a manner which complies with Applicability in accordance with 30 TAC §312.41 and the Management Requirements in accordance with 30 TAC § 312.44.
3. Bulk biosolids shall be applied at or below the agronomic rate of the cover crop.
4. An information sheet shall be provided to the person who receives bulk Class A or AB biosolids sold or given away. The information sheet shall contain the following information:
 - a. The name and address of the person who prepared the Class A or AB biosolids that are sold or given away in a bag or other container for application to the land.
 - b. A statement that application of the biosolids to the land is prohibited except in accordance with the instruction on the label or information sheet.
 - c. The annual whole sludge application rate for the biosolids application rate for the biosolids that does not cause any of the cumulative pollutant loading rates in Table 2 above to be exceeded, unless the pollutant concentrations in Table 3 found in Section II above are met.

D. Notification Requirements

1. If bulk biosolids are applied to land in a State other than Texas, written notice shall be provided prior to the initial land application to the permitting authority for the State in which the bulk biosolids are proposed to be applied. The notice shall include:
 - a. The location, by street address, and specific latitude and longitude, of each land application site.
 - b. The approximate time period bulk biosolids will be applied to the site.
 - c. The name, address, telephone number, and National Pollutant Discharge Elimination System permit number (if appropriate) for the person who will apply the bulk biosolids.
2. The permittee shall give 180 days prior notice to the Executive Director in care of the Wastewater Permitting Section (MC 148) of the Water Quality Division of any change planned in the biosolids disposal practice.

E. Record Keeping Requirements

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

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

1. The concentration (mg/kg) in the sludge of each pollutant listed in Table 3 above and the applicable pollutant concentration criteria (mg/kg), or the applicable cumulative pollutant loading rate and the applicable cumulative pollutant loading rate limit (lbs/ac) listed in Table 2 above.
2. A description of how the pathogen reduction requirements are met (including site restrictions for Class AB and Class B biosolids, if applicable).
3. A description of how the vector attraction reduction requirements are met.
4. A description of how the management practices listed above in Section II.C are being met.
5. The following certification statement:

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

6. The recommended agronomic loading rate from the references listed in Section II.C.3. above, as well as the actual agronomic loading rate shall be retained. The person who applies bulk biosolids shall develop the following information and shall retain the information at the facility site and/or shall be readily available for review by a TCEQ representative indefinitely. If the permittee supplies the sludge to another person who land applies the sludge, the permittee shall notify the land applier of the requirements for record keeping found in 30 TAC § 312.47 for persons who land apply:
 - a. A certification statement that all applicable requirements (specifically listed) have been met, and that the permittee understands that there are significant penalties for false certification including fine and imprisonment. See 30 TAC § 312.47(a)(4)(A)(ii) or 30 TAC § 312.47(a)(5)(A)(ii), as applicable, and to the permittee’s specific sludge treatment activities.
 - b. The location, by street address, and specific latitude and longitude, of each site on which biosolids is applied.
 - c. The number of acres in each site on which bulk biosolids are applied.
 - d. The date and time biosolids are applied to each site.
 - e. The cumulative amount of each pollutant in pounds/acre listed in Table 2 applied to each site.
 - f. The total amount of biosolids applied to each site in dry tons.

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

F. Reporting Requirements

The permittee must submit this annual report by September 30th of each year, using the online electronic reporting system available through TCEQ's website. If the permittee requests and obtains an electronic reporting waiver, the annual report can be submitted in hard copy to the TCEQ Regional Office (MC Region 4) and the Enforcement Division ((MC 224).

1. Identify in the following categories (as applicable) the sewage sludge or biosolids treatment process or processes at the facility: preliminary operations (e.g., sludge or biosolids grinding and degritting), thickening (concentration), stabilization, anaerobic digestion, aerobic digestion, composting, conditioning, disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization), dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons), heat drying, thermal reduction, and methane or biogas capture and recovery.
2. Identify the nature of material generated by the facility (such as a biosolid for beneficial use or land-farming, or sewage sludge for disposal at a monofill) and whether the material is ultimately conveyed off-site in bulk or in bags.
3. Results of tests performed for pollutants found in either Table 2 or 3 as appropriate for the permittee's land application practices.
4. The frequency of monitoring listed in Section I.C. that applies to the permittee.
5. Toxicity Characteristic Leaching Procedure (TCLP) results.
6. PCB concentration in sludge or biosolids in mg/kg.
7. Identity of hauler(s) and TCEQ transporter number.
8. Date(s) of transport.
9. Texas Commission on Environmental Quality registration number, if applicable.
10. Amount of sludge or biosolids disposal dry weight (lbs/acre) at each disposal site.
11. The concentration (mg/kg) in the sludge of each pollutant listed in Table 1 (defined as a monthly average) as well as the applicable pollutant concentration criteria (mg/kg) listed in Table 3 above, or the applicable pollutant loading rate limit (lbs/acre) listed in Table 2 above if it exceeds 90% of the limit.
12. Level of pathogen reduction achieved (Class A, Class AB or Class B).
13. Alternative used as listed in Section I.B.3.(a. or b.). Alternatives describe how the pathogen reduction requirements are met. If Class B biosolids, include information on how site restrictions were met.
14. Identify each of the analytic methods used by the facility to analyze enteric viruses, fecal coliforms, helminth ova, *Salmonella* sp., and other regulated parameters.
15. Vector attraction reduction alternative used as listed in Section I.B.4.

16. Amount of sludge or biosolids transported in dry tons/year.
17. The certification statement listed in either 30 TAC § 312.47(a)(4)(A)(ii) or 30 TAC § 312.47(a)(5)(A)(ii) as applicable to the permittee's sludge or biosolids treatment activities, shall be attached to the annual reporting form.
18. When the amount of any pollutant applied to the land exceeds 90% of the cumulative pollutant loading rate for that pollutant, as described in Table 2, the permittee shall report the following information as an attachment to the annual reporting form.
 - a. The location, by street address, and specific latitude and longitude.
 - b. The number of acres in each site on which bulk biosolids are applied.
 - c. The date and time bulk biosolids are applied to each site.
 - d. The cumulative amount of each pollutant (i.e., pounds/acre) listed in Table 2 in the bulk biosolids applied to each site.
 - e. The amount of biosolids (i.e., dry tons) applied to each site.

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

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

- A. The permittee shall handle and dispose of sewage sludge or biosolids in accordance with 30 TAC § 330 and all other applicable state and federal regulations to protect public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants that may be present. The permittee shall ensure that the sewage sludge or biosolids meets the requirements in 30 TAC § 330 concerning the quality of the sludge disposed in a municipal solid waste landfill.
- B. If the permittee generates sewage sludge or biosolids and supplies that sewage sludge or biosolids to the owner or operator of a municipal solid waste landfill (MSWLF) for disposal, the permittee shall provide to the owner or operator of the MSWLF appropriate information needed to be in compliance with the provisions of this permit.
- C. The permittee shall give 180 days prior notice to the Executive Director in care of the Wastewater Permitting Section (MC 148) of the Water Quality Division of any change planned in the sewage sludge or biosolids disposal practice.
- D. Sewage sludge or biosolids shall be tested once during the term of this permit in accordance with the method specified in both 40 CFR Part 261, Appendix II and 40 CFR Part 268, Appendix I (Toxicity Characteristic Leaching Procedure) or other method, which receives the prior approval of the TCEQ for contaminants listed in Table 1 of 40 CFR § 261.24. Sewage sludge or biosolids failing this test shall be managed according to RCRA standards for generators of hazardous waste, and the waste's disposition must be in accordance with all applicable requirements for hazardous waste processing, storage, or disposal.

Following failure of any TCLP test, the management or disposal of sewage sludge or biosolids at a facility other than an authorized hazardous waste processing, storage, or disposal facility shall be prohibited until such time as the permittee can demonstrate the sewage sludge or biosolids no longer exhibits the hazardous waste toxicity characteristics (as demonstrated by the results of the TCLP tests). A written report shall be provided to both the TCEQ Registration and Reporting Section (MC 129) of the Permitting and Registration Support Division and the Regional Director (MC Region 4) of the appropriate TCEQ field office within 7 days after failing the TCLP Test.

The report shall contain test results, certification that unauthorized waste management has stopped, and a summary of alternative disposal plans that comply with RCRA standards for the management of hazardous waste. The report shall be addressed to: Director, Permitting and Registration Support Division (MC 129), Texas Commission on Environmental Quality, P. O. Box 13087, Austin, Texas 78711-3087. In addition, the permittee shall prepare an annual report on the results of all sludge toxicity testing. This annual report shall be submitted to the TCEQ Regional Office (MC Region 4) and the Enforcement Division (MC 224) of the by September 30th of each year.

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

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

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

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

G. Reporting Requirements

The permittee shall submit the following information in an annual report to the TCEQ by September 30th of each year. The permittee must submit this annual report using the online electronic reporting system available through TCEQ's website. If the permittee requests and obtains an electronic reporting waiver, the annual report can be submitted in hard copy to the TCEQ Regional Office (MC Region 4) and the Enforcement Division (MC 224).

1. Identify in the following categories (as applicable) the sewage sludge or biosolids treatment process or processes at the facility: preliminary operations (e.g., sludge or biosolids grinding and degritting), thickening (concentration), stabilization, anaerobic digestion, aerobic digestion, composting, conditioning, disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization), dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons), heat drying, thermal reduction, and methane or biogas capture and recovery.
2. Toxicity Characteristic Leaching Procedure (TCLP) results.
3. Annual sludge or biosolids production in dry tons/year.
4. Amount of sludge or biosolids disposed in a municipal solid waste landfill in dry tons/year.
5. Amount of sludge or biosolids transported interstate in dry tons/year.
6. A certification that the sewage sludge or biosolids meets the requirements of 30 TAC § 330 concerning the quality of the sludge disposed in a municipal solid waste landfill.
7. Identity of hauler(s) and transporter registration number.
8. Owner of disposal site(s).
9. Location of disposal site(s).
10. Date(s) of disposal.

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

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

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

A. General Requirements

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

B. Record Keeping Requirements

1. For sludge or biosolids transported by an approved pipeline, the permittee must maintain records of the following:
 - a. the amount of sludge or biosolids transported;
 - b. the date of transport;
 - c. the name and TCEQ permit number of the receiving facility or facilities;
 - d. the location of the receiving facility or facilities;
 - e. the name and TCEQ permit number of the facility that generated the waste; and
 - f. copy of the written agreement between the permittee and the receiving facility to accept sludge or biosolids.
2. For sludge transported by a registered transporter, the permittee must maintain records of the completed trip tickets in accordance with 30 TAC § 312.145(a)(1)-(7) and amount of sludge or biosolids transported.
3. The above records shall be maintained on-site on a monthly basis and shall be made available to the TCEQ upon request. These records shall be retained for at least five years.

C. Reporting Requirements

The permittee shall submit the following information in an annual report to the TCEQ by September 30th of each year. The permittee must submit this annual report using the online electronic reporting system available through TCEQ's website. If the permittee requests and obtains an electronic reporting waiver, the annual report can be submitted in hard copy to the TCEQ Regional Office (MC Region 4) and the Enforcement Division (MC 224).

1. Identify in the following categories (as applicable) the sewage sludge or biosolids treatment process or processes at the facility: preliminary operations (e.g., sludge or biosolids grinding and degritting), thickening (concentration), stabilization, anaerobic digestion, aerobic digestion, composting, conditioning, disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization), dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons), heat drying, thermal reduction, and methane or biogas capture and recovery.
2. the annual sludge or biosolids production;
3. the amount of sludge or biosolids transported;
4. the owner of each receiving facility;
5. the location of each receiving facility; and
6. the date(s) of disposal at each receiving facility.

TCEQ Revision 06/2020

OTHER REQUIREMENTS

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

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

2. The facility is not located in the Coastal Management Program boundary.
3. Prior to construction of the Interim I, Interim II, and Final phases, the permittee shall submit sufficient evidence of legal restrictions prohibiting residential structures within the part of the buffer zone not owned by the permittee according to 30 TAC § 309.13(e)(3). The evidence of legal restrictions shall be submitted to the Executive Director in care of the TCEQ Wastewater Permitting Section (MC 148). The permittee shall comply with the requirements of 30 TAC § 309.13(a) through (d). (See Attachment A.)
4. The permittee shall provide facilities for the protection of its wastewater treatment facility from a 100-year flood.
5. In accordance with 30 TAC § 319.9, a permittee that has at least twelve months of uninterrupted compliance with its bacteria limit may notify the commission in writing of its compliance and request a less frequent measurement schedule. To request a less frequent schedule, the permittee shall submit a written request to the TCEQ Wastewater Permitting Section (MC 148) for each phase that includes a different monitoring frequency. The request must contain all of the reported bacteria values (Daily Avg. and Daily Max/Single Grab) for the twelve consecutive months immediately prior to the request. If the Executive Director finds that a less frequent measurement schedule is protective of human health and the environment, the permittee may be given a less frequent measurement schedule. For this permit, one/month may be reduced to one/quarter in the Interim I, Interim II, and Final phases. **A violation of any bacteria limit by a facility that has been granted a less frequent measurement schedule will require the permittee to return to the standard frequency schedule and submit written notice to the TCEQ Wastewater Permitting Section (MC 148).** The permittee may not apply for another reduction in measurement frequency for at least 24 months from the date of the last violation. The Executive Director may establish a more frequent measurement schedule if necessary to protect human health or the environment.
6. Prior to construction of the treatment facility, the permittee shall submit to the TCEQ Wastewater Permitting Section (MC 148) a summary transmittal letter in accordance with the requirements in 30 TAC § 217.6(d). If requested by the Wastewater Permitting Section, the permittee shall submit plans and specifications and a final engineering design report which comply with 30 TAC Chapter 217, Design Criteria for Domestic Wastewater Systems. The permittee shall clearly show how the treatment system will meet the permitted effluent limitations required on Pages 2, 2a, and 2b of this permit. A copy of the summary transmittal letter shall be available at the plant site for inspection by authorized representatives of the TCEQ.

7. 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 from the facility described by this permit, whichever occurs first. 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 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.

0 50 100
FEET

150'
BUFFER
ZONE

CHLORINE
STORAGE

CHLORINE
CONTACT BASIN

CLARIFIERS
ø 34'

AERATION
BASINS

BLOWERS

INFLUENT
LIFT
STATION

DIGESTERS

APPLICANT'S PROPERTY
BOUNDARY/TREATMENT
FACILITY BOUNDARY

SEVEN SPRINGS WWTTP
ATTACHMENT 9
BUFFER ZONE MAP

LJA Engineering, Inc.
6650 North Central Expressway
Suite 400
Dallas, Texas 75206
Phone 469.821.0710
FRL - F-1386



ATTACHMENT 9

LJA Engineering, Inc.

6060 North Central Exp
Suite 400
Dallas, Texas 75206

Phone 469.621.0710



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

DESCRIPTION OF APPLICATION

Applicant: GB878 LLC;
Texas Pollutant Discharge Elimination System (TPDES) Permit No.
WQ0016628001, EPA I.D. No. TX0146668

Regulated Activity: Domestic Wastewater Permit

Type of Application: New Permit

Request: New Permit

Authority: Federal Clean Water Act (CWA) § 402; Texas Water Code § 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 PROJECT PROPOSED

The applicant has applied to the Texas Commission on Environmental Quality (TCEQ) for a new permit to authorize the discharge of treated domestic wastewater at a daily average flow not to exceed 0.125 million gallons per day (MGD) in the Interim I phase, a daily average flow not to exceed 0.25 MGD in the Interim II phase, and a daily average flow not to exceed 0.50 MGD in the Final phase. The proposed wastewater treatment facility will serve an approximately 406-acre tract that will be developed for single family use.

PROJECT DESCRIPTION AND LOCATION

The Seven Springs Wastewater Treatment Facility will be an activated sludge process plant operated in the complete mix mode. Treatment units in the Interim I phase will include bar screens, two aeration basins, a final clarifier, two sludge digesters, and a chlorine contact chamber. Treatment units in the Interim II phase will include bar screens, three aeration basins, a final clarifier, three sludge digesters, and a chlorine contact chamber. Treatment units in the Final phase will include bar screens, six aeration basins, two final clarifiers, six sludge digesters, two chlorine contact chambers and a dechlorination chamber. The facility has not been constructed.

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

The plant site will be located approximately 1.0 mile northeast of the intersection of County Road 134 and County Road 175, in Collin County, Texas 75009.

Outfall Location:

Outfall Number	Latitude	Longitude
001	33.366468 N	96.672822 W

The treated effluent will be discharged to an unnamed tributary, thence to East Fork Trinity River, thence to Lake Lavon in Segment No. 0821 of the Trinity River Basin. The unclassified receiving water uses are limited aquatic life use for the unnamed tributary, and high aquatic life use for East Fork Trinity River. The designated uses for Segment No. 0821 are primary contact recreation, public water supply, and 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 East Fork Trinity River, 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., Five-Day Biochemical Oxygen Demand or Five-Day Carbonaceous Biochemical Oxygen Demand, Ammonia Nitrogen, etc.) are based on stream standards and waste load allocations for water-quality limited streams as established in the Texas Surface Water Quality Standards (TSWQS) and the State of Texas Water Quality Management Plan (WQMP).

In a case such as this, 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. This technology-based approach reasonably assures instream compliance with TSWQS criteria due to the relatively smaller discharge volumes authorized by these permits. This conservative assumption is based on TCEQ sampling conducted throughout the state which indicates that instream buffering quickly restores pH levels to ambient conditions. Similarly, this approach has been historically applied within EPA issued NPDES general permits where technology-based pH limits were established to be protective of water quality criteria.

The effluent limitations in the draft permit have been reviewed for consistency with the WQMP. The proposed effluent limitations are not contained in the approved WQMP. However, these limits will be included in the next WQMP update.

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

Segment No. 0821 is not currently listed on the State's inventory of impaired and threatened waters (2022 Clean Water Act Section 303(d) list). However, the East Fork Trinity River above Lake Lavon is

currently listed on the 2022 303(d) list. The East Fork Trinity River above Lake Lavon listing is specifically for elevated bacteria levels in water (recreation use) throughout the entire water body (from the confluence with Lake Lavon to the upper end of the water body (NHD RC 12030106000074) in Grayson County) (Assessment Unit 0821D_01). This facility is designed to provide adequate disinfection, and when operated properly, should not add to the bacterial impairment of the East Fork Trinity River above Lake Lavon. In addition, in order to ensure that the proposed discharge meets the stream bacterial standard, an effluent limitation of 126 colony-forming units (CFU) or most probable number (MPN) of *Escherichia coli* (*E. coli*) per 100 ml has been added to the draft permit.

SUMMARY OF EFFLUENT DATA

Self-reporting data is not available since the facility is not in operation.

DRAFT PERMIT CONDITIONS

The draft permit authorizes a discharge of treated domestic wastewater at an Interim I volume not to exceed a daily average flow of 0.125 MGD, an Interim II volume not to exceed a daily average flow of 0.25 MGD, and a Final volume not to exceed a daily average flow of 0.50 MGD.

The effluent limitations in the Interim I and Interim II phases of the draft permit, based on a 30-day average, are 10 mg/l five-day carbonaceous biochemical oxygen demand (CBOD₅), 15 mg/l total suspended solids (TSS), 3 mg/l ammonia-nitrogen (NH₃-N), 0.5 mg/l total phosphorus (TP), 126 CFU or MPN of *E. coli* per 100 ml, and 4.0 mg/l minimum dissolved oxygen (DO). The effluent shall contain a total chlorine residual of at least 1.0 mg/l and shall not exceed a total chlorine residual of 4.0 mg/l after a detention time of at least 20 minutes based on peak flow.

The effluent limitations in the Final phase of the draft permit, based on a 30-day average, are 10 mg/l CBOD₅, 15 mg/l TSS, 3 mg/l NH₃-N, 0.5 mg/l TP, 126 CFU or MPN of *E. coli* per 100 ml, and 5.0 mg/l minimum DO. The effluent shall contain a total chlorine residual of at least 1.0 mg/l after a detention time of at least 20 minutes (based on peak flow). The permittee shall dechlorinate the chlorinated effluent to less than 0.1 mg/l total chlorine residual.

The draft permit includes a requirement for the permittee to obtain legal restrictions prohibiting residential structures within the part of the buffer zone not owned by the permittee according to 30 TAC § 309.13(e)(3).

The draft permit includes Sludge Provisions according to the requirements of 30 TAC Chapter 312, Sludge Use, Disposal, and Transportation. The draft permit authorizes the disposal of sludge at a TCEQ-authorized land application site, co-disposal landfill, wastewater treatment facility, or facility that further processes sludge.

SUMMARY OF CHANGES FROM APPLICATION

The applicant requested effluent limitations in the Interim I, II, and Final phases, based on a 30-day average, of 10 mg/l CBOD₅, 15 mg/l TSS, 3 mg/l NH₃-N, and 4.0 mg/l minimum DO. However, effluent limitations in the Interim I and Interim II phases of the draft permit, based on a 30-day average, are 10 mg/l CBOD₅, 15 mg/l TSS, 3 mg/l NH₃-N, 0.5 mg/l TP, 126 CFU or MPN of *E. coli* per 100 ml, and 4.0 mg/l minimum DO. The effluent limitations in the Final phase of the draft permit, based on a 30-day average, are 10 mg/l CBOD₅, 15 mg/l TSS, 3 mg/l NH₃-N, 0.5 mg/l TP, 126 CFU or MPN of *E. coli* per 100 ml, and 5.0 mg/l minimum DO.

BASIS FOR DRAFT PERMIT

The following items were considered in developing the draft permit:

1. Application received on September 18, 2024, and additional information received on May 8, 2025 and May 12, 2025.
2. The effluent limitations and conditions in the draft permit comply with EPA-approved portions of the 2018 Texas Surface Water Quality Standards (TSWQS), 30 TAC §§ 307.1 - 307.10, effective March 1, 2018; 2014 TSWQS, effective March 6, 2014; 2010 TSWQS, effective July 22, 2010; and 2000 TSWQS, effective July 26, 2000.
3. The effluent limitations in the draft permit meet the requirements for secondary treatment and the requirements for disinfection according to 30 TAC Chapter 309, Subchapter A: Effluent Limitations.
4. Interoffice Memoranda from the Water Quality Assessment Section of the TCEQ Water Quality Division.
5. Consistency with the Coastal Management Plan: The facility is not located in the Coastal Management Program boundary.
6. *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.
7. 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.
8. 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 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 John Hearn at (512) 239-5239.

John Hearn

John Hearn
Municipal Permits Team
Wastewater Permitting Section (MC 148)

May 28, 2025

Date



LETTER OF TRANSMITTAL

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

Date: 09/13/2024

LJA Job No. NT340-0394

From: Laura Preston, P.E.

LJA Engineering

RE: Seven Springs WWTP Domestic Wastewater
Permit WQ0016552001

WE ARE SENDING YOU the following items:

- ☐ Shop Drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of Letter ☐ Change Order ☐ Contract ☒ Other: Domestic Wastewater Permit Application

Copies	Date	Description
1	September 2024	Original Copy with Original Signatures and full-size documents
2	September 2024	Additional Copies of the domestic wastewater permit application

THESE ARE TRANSMITTED as checked below:

- | | | |
|--|---|---|
| <input checked="" type="checkbox"/> For approval | <input type="checkbox"/> Approved as submitted | <input type="checkbox"/> Resubmit _ copies for approval |
| <input type="checkbox"/> For your use | <input type="checkbox"/> Approved as noted | <input type="checkbox"/> Submit _ copies for distribution |
| <input type="checkbox"/> As requested | <input type="checkbox"/> Returned for corrections | <input type="checkbox"/> Return _ executed agreement |
| <input checked="" type="checkbox"/> For review & comment | <input type="checkbox"/> For signatures | <input type="checkbox"/> _____ |

REMARKS: Please find the enclosed, revised applicant name, Seven Springs WWTP Domestic Wastewater Discharge Permit Application, WQ0016552001. An electronic copy has been transmitted to WQDeCopy@tceq.texas.gov via the FTP site and sent USPS in accordance with the requirements.

c: _____

SIGNED: Laura Preston, P.E.



September 13, 2024

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

RE: WQ0016552001 Seven Springs WWTP Domestic Wastewater Discharge Permit Application

Project Name: Seven Springs WWTP Domestic Wastewater Discharge Permit Application
County: Collin
LJA Job No: NT340-0394

Dear Applications Review and Processing Team:

The purpose of this letter is to provide the Texas Commission on Environmental Quality (TCEQ) with the information necessary to comply with the submittal requirements of Domestic Wastewater Discharge Permit Applications.

An application was previously submitted and withdrawn due to an applicant name change and was assigned to Abesha Michael, Michelle Labrie, and Shaun Speck. The previously submitted application was assigned WQ0016552001.

Attached to this letter is one copy of the Domestic Wastewater Discharge Permit Application with original documents, including full size exhibits, updated applicant name, and updated signatures. An original copy with original signatures and two additional copies of the permit application have been sent USPS and uploaded to the TCEQ's FTP site in accordance with requirements.

1. The Engineering Firm (Preparer) is:

LJA Engineering, Inc.
6060 N. Central Expressway, Suite 400
Dallas, Texas 75206
Firm # 1386

2. The project name is:

Seven Springs WWTP Domestic Wastewater Discharge Permit Application

For any questions or comments, please contact Laura Preston using the information below.

Sincerely,

Laura Preston, PE
Project Engineer
214.442.6579
lpreston@lja.com
Firm #1386



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: GB878 LLC

PERMIT NUMBER (If new, leave blank): WQ00 TBD – This is an application for a new permit.

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

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

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 <input type="checkbox"/>	\$315.00 <input type="checkbox"/>
≥0.05 but <0.10 MGD	\$550.00 <input type="checkbox"/>	\$515.00 <input type="checkbox"/>
≥0.10 but <0.25 MGD	\$850.00 <input type="checkbox"/>	\$815.00 <input type="checkbox"/>
≥0.25 but <0.50 MGD	\$1,250.00 <input type="checkbox"/>	\$1,215.00 <input type="checkbox"/>
≥0.50 but <1.0 MGD	\$1,650.00 <input checked="" type="checkbox"/>	\$1,615.00 <input type="checkbox"/>
≥1.0 MGD	\$2,050.00 <input type="checkbox"/>	\$2,015.00 <input type="checkbox"/>

Minor Amendment (for any flow) \$150.00 ☐

Payment Information:

Mailed Check/Money Order Number: N/A

Check/Money Order Amount: N/A

Name Printed on Check: N/A

EPAY Voucher Number: 707452 & 707453

Copy of Payment Voucher enclosed? Yes ☒

Section 2. Type of Application (Instructions Page 26)

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

- ☐ Publicly-Owned Domestic Wastewater
- ☐ Privately-Owned Domestic Wastewater
- ☒ Conventional Wastewater Treatment

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

- ☐ Active ☒ Inactive

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: N/A

f. For existing permits:

Permit Number: WQ00 N/A

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

Expiration Date: N/A

Section 3. Facility Owner (Applicant) and Co-Applicant 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?

GB878 LLC

(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: 605905983

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: Samuel, Bobby

Title: Vice President

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. 1

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: Preston, Laura
Title: Project Engineer Credential: P.E.
Organization Name: LJA Engineering, Inc.
Mailing Address: 6060 N Central Expy, Ste 400 City, State, Zip Code: Dallas, TX 75206
Phone No.: 214-442-6579 E-mail Address: lpreston@lja.com
Check one or both: ☒ Administrative Contact ☒ Technical Contact
- B. Prefix: Mr. Last Name, First Name: Wendling, Dallas
Title: Assistant Project Manager Credential: P.E.
Organization Name: LJA Engineering, Inc.
Mailing Address: 2150 S Central Expy, Ste 300 City, State, Zip Code: McKinney, Texas 75070
Phone No.: 214-620-2772 E-mail Address: dwendling@lja.com
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: Ms. Last Name, First Name: Preston, Laura
Title: Project Engineer Credential: P.E.
Organization Name: LJA Engineering, Inc.
Mailing Address: 6060 N Central Expy, Ste 400 City, State, Zip Code: Dallas, Texas 75206
Phone No.: 214-442-6579 E-mail Address: lpreston@lja.com

B. Prefix: Mr. Last Name, First Name: Wendling, Dallas
Title: Assistant Project Manager Credential: P.E.
Organization Name: LJA Engineering, Inc.
Mailing Address: 2150 S Central Expy, Ste 300 City, State, Zip Code: McKinney, Texas 75070
Phone No.: 214-620-2772 E-mail Address: dwendling@lja.com

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: N/A Last Name, First Name: Accounts Payable
Title: N/A Credential: N/A
Organization Name: GB878 LLC
Mailing Address: 5501 Headquarters Dr., Ste 300W City, State, Zip Code: Plano, Texas 75024
Phone No.: 469-573-6721 E-mail Address: landinvoices@grbk.com

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: Samuel, Bobby
Title: N/A Credential: N/A
Organization Name: GB878 LLC
Mailing Address: 5501 Headquarters Dr., Ste 300W City, State, Zip Code: Plano, Texas 75024
Phone No.: 469-573-6721 E-mail Address: bsamuel@grbk.com

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Ms. Last Name, First Name: Preston, Laura
Title: Project Engineer Credential: P.E.
Organization Name: LJA Engineering, Inc.
Mailing Address: 6060 N Central Expy, Ste 400 City, State, Zip Code: Dallas, Texas 75206
Phone No.: 214-442-6579 E-mail Address: lpreston@lja.com

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: Ms.

Last Name, First Name: Preston, Laura

Title: Project Engineer

Credential: P.E.

Organization Name: LJA Engineering, Inc.

Mailing Address: 6060 N Central Expy, Ste 400

City, State, Zip Code: Dallas, Texas 75206

Phone No.: 214-442-6579

E-mail Address: lpreston@lja.com

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: Roy & Helen Hall Memorial Library

Location within the building: Help Desk

Physical Address of Building: 101 E Hunt Sreet

City: McKinney

County: Collin

Contact (Last Name, First Name): Library Staff

Phone No.: 972-547-7323 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: 2

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: 3

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 N/A

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):

Seven Springs WWTP

C. Owner of treatment facility: GB878 LLC

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: GB878 LLC

Mailing Address: 5501 Headquarters DR, Ste 300W City, State, Zip Code: Plano, TX 75024

Phone No.: 469-573-6721

E-mail Address: bsamuel@grbk.com

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

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

Approximately 1.0 miles northeast of the intersection of CR 175 and CR 134 in Collin County, Texas.

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

☐ Yes ☒ No

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:

To an unnamed tributary, thence to East Fork Trinity River, thence to Lake Lavon in Segment 0821 of the Trinity River Basin.

City nearest the outfall(s): Weston

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

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 – This is not an application for 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

- 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 – no sludge disposal authorization is requested in this permit

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: N/A

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:

- 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: Core Data Form

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

Applicant: GB878 LLC

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 Samuel

Signatory title: Vice President

Signature: [Signature] Date: 9/4/2024
(Use blue ink)

Subscribed and Sworn to before me by the said Bobby Samuel
on this 4 day of September, 20 24.
My commission expires on the 1 day of April, 20 26.

[Signature]
Notary Public

Collin
County, Texas



DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

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:

- ☒ 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: Collin County 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.

- ☒ 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.

- 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.

- ☒ 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

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: 7

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST OF COMMON DEFICIENCIES

Below is a list of common deficiencies found during the administrative review of domestic wastewater permit applications. To ensure the timely processing of this application, please review the items below and indicate by checking Yes that each item is complete and in accordance applicable rules at 30 TAC Chapters 21, 281, and 305. If an item is not required this application, indicate by checking N/A where appropriate. Please do not submit the application until the items below have been addressed.

Core Data Form (TCEQ Form No. 10400) ☒ Yes
(Required for all application types. Must be completed in its entirety and signed.
Note: Form may be signed by applicant representative.)

Correct and Current Industrial Wastewater Permit Application Forms ☒ Yes
(TCEQ Form Nos. 10053 and 10054. Version dated 6/25/2018 or later.)

Water Quality Permit Payment Submittal Form (Page 19) ☒ Yes
(Original payment sent to TCEQ Revenue Section. See instructions for mailing address.)

7.5 Minute USGS Quadrangle Topographic Map Attached ☒ Yes
(Full-size map if seeking "New" permit.
8 ½ x 11 acceptable for Renewals and Amendments)

Current/Non-Expired, Executed Lease Agreement or Easement ☒ N/A ☐ Yes

Landowners Map ☐ N/A ☒ Yes
(See instructions for landowner requirements)

Things to Know:

- All the items shown on the map must be labeled.
- The applicant's complete property boundaries must be delineated which includes boundaries of contiguous property owned by the applicant.
- The applicant cannot be its own adjacent landowner. You must identify the landowners immediately adjacent to their property, regardless of how far they are from the actual facility.
- If the applicant's property is adjacent to a road, creek, or stream, the landowners on the opposite side must be identified. Although the properties are not adjacent to applicant's property boundary, they are considered potentially affected landowners. If the adjacent road is a divided highway as identified on the USGS topographic map, the applicant does not have to identify the landowners on the opposite side of the highway.

Landowners Cross Reference List ☐ N/A ☒ Yes
(See instructions for landowner requirements)

Landowners Labels or USB Drive attached ☐ N/A ☒ Yes
(See instructions for landowner requirements)

Original signature per 30 TAC § 305.44 - Blue Ink Preferred ☒ Yes
(If signature page is not signed by an elected official or principle executive officer, a copy of signature authority/delegation letter must be attached)

Plain Language Summary ☒ Yes

TCEQ ePay Voucher Receipt

Transaction Information

Voucher Number: 707452
Trace Number: 582EA000612191
Date: 05/30/2024 12:45 PM
Payment Method: CC - Authorization 000006521D
Voucher Amount: \$1,600.00
Fee Type: WW PERMIT - FACILITY WITH FLOW >= .50 & < 1.0 MGD - NEW AND MAJOR AMENDMENTS
ePay Actor: LAURA PRESTON

Payment Contact Information

Name: LAURA PRESTON
Company: LJA ENGINEERING
Address: 6060 N CENTRAL EXPY SUITE 400, DALLAS, TX 75206
Phone: 325-668-2952

Site Information

Site Name: SEVEN SPRINGS WWTP
Site Location: APPROX 1.0 MI NE OF THE INTERSECTION OF CR 175 AND CR 134

Customer Information

Customer Name: GRBK EDGEWOOD LLC
Customer Address: 5501 HEADQUARTERS DR STE 300 W, PLANO, TX 75024

TCEQ ePay Voucher Receipt

Transaction Information

Voucher Number:	707453
Trace Number:	582EA000612191
Date:	05/30/2024 12:45 PM
Payment Method:	CC - Authorization 000006521D
Voucher Amount:	\$50.00
Fee Type:	30 TAC 305.53B WQ NOTIFICATION FEE
ePay Actor:	LAURA PRESTON

Payment Contact Information

Name:	LAURA PRESTON
Company:	LJA ENGINEERING
Address:	6060 N CENTRAL EXPY SUITE 400, DALLAS, TX 75206
Phone:	325-668-2952



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): 0.125

2-Hr Peak Flow (MGD): 0.50

Estimated construction start date: 06/2025

Estimated waste disposal start date: 08/2025

B. Interim II Phase

Design Flow (MGD): 0.25

2-Hr Peak Flow (MGD): 1.0

Estimated construction start date: 08/2026

Estimated waste disposal start date: 06/2028

C. Final Phase

Design Flow (MGD): 0.50

2-Hr Peak Flow (MGD): 2.0

Estimated construction start date: 11/2027

Estimated waste disposal start date: 08/2029

D. Current Operating Phase

Provide the startup date of the facility: N/A

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 11

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 12		

C. Process Flow Diagram

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

Attachment: See Attachments 13.1, 13.2, & 13.3

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

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

- Latitude: 33.366468
- Longitude: -96.672822

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: 14

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

Seven Springs WWTP will serve an approximately 406-acre tract that will be developed for single family use.

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
N/A	N/A	Choose an item.	N/A
		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: [Click to enter text.](#)

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

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.

Buffer zone requirements will be met by ownership and restrictive easement.

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

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 – This is an application for a new permit.

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

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

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

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

TXR05 N/A or TXRNE N/A

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

☐ Yes ☒ No

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

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

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

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

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.
N/A

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

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

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

☐ Yes ☐ No

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

☐ Yes ☐ No

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

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.

Table1.0(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				
Total Suspended Solids, mg/l	N/A				
Ammonia Nitrogen, mg/l	N/A				
Nitrate Nitrogen, mg/l	N/A				
Total Kjeldahl Nitrogen, mg/l	N/A				
Sulfate, mg/l	N/A				
Chloride, mg/l	N/A				
Total Phosphorus, mg/l	N/A				
pH, standard units	N/A				
Dissolved Oxygen*, mg/l	N/A				
Chlorine Residual, mg/l	N/A				
<i>E.coli</i> (CFU/100ml) freshwater	N/A				
Enterococci (CFU/100ml) saltwater	N/A				
Total Dissolved Solids, mg/l	N/A				
Electrical Conductivity, µmohs/cm, †	N/A				
Oil & Grease, mg/l	N/A				
Alkalinity (CaCO ₃)*, mg/l	N/A				

*TPDES permits only

†TLAP permits only

Table1.0(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	N/A				
Total Dissolved Solids, mg/l	N/A				
pH, standard units	N/A				
Fluoride, mg/l	N/A				
Aluminum, mg/l	N/A				
Alkalinity (CaCO ₃), mg/l	N/A				

Section 8. Facility Operator (Instructions Page 50)

Facility Operator Name: TBDFacility Operator's License Classification and Level: TBDFacility Operator's License Number: TBD

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

A. WWTP's Biosolids Management Facility Type

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

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: [Click to enter text.](#)

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
Disposal in Landfill	Off-site Third-Party Handler or Preparer	Bulk		Class B: PSRP Aerobic Digestion	Option 3: Lab demonstration of volatile solids reduction aerobically
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): Facility Is not in operation. Biosolids management method may vary based on final design.

D. Disposal site

Disposal site name: TBD

TCEQ permit or registration number: TBD

County where disposal site is located: TBD

E. Transportation method

Method of transportation (truck, train, pipe, other): TBD

Name of the hauler: TBD

Hauler registration number: TBD

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

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

☐ Yes ☐ No

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

B. Sludge processing authorization

Does the existing permit include authorization for any of the following sludge processing, storage or disposal options?

Sludge Composting	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Marketing and Distribution of sludge	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Sludge Surface Disposal or Sludge Monofill	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Temporary storage in sludge lagoons	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> 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

Section 11. Sewage Sludge Lagoons (Instructions Page 53)

Does this facility include sewage sludge lagoons?

☐ Yes ☒ No

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

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

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 Page 55)

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:

N/A

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

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

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

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.

This permit is needed to support single-family residential development on adjacent/nearby property.

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

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: 21

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

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: 15

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: 16

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

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

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 BOD5 Concentration (mg/l)
Municipality		
Subdivision	0.50	325 mg/L
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		
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: 10

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: 3

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: 4

Other: N/A

B. Interim II Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: 10

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: 3

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: 4

Other: N/A

C. Final Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: 10

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: 3

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: 4

Other: N/A

D. Disinfection Method

Identify the proposed method of disinfection.

☒ Chlorine: 4 mg/l after 20 minutes detention time at peak flow

Dechlorination process: N/A

☐ Ultraviolet Light: N/A seconds contact time at peak flow

☐ Other: N/A

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: 17

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.

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

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: 19

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

A. Beneficial use authorization

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
- ☐ 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: 20

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 to East Fork Trinity River

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.

East Fork Trinity 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.

N/A

E. Normal dry weather characteristics

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

The receiving water body is generally an intermittent stream with low flow, with perennial pools much of the year.

Date and time of observation: 05/20/2024 at 11:23 AM

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.

☐ Oil field activities

☐ Urban runoff

☐ Upstream discharges

☐ Agricultural runoff

☐ Septic tanks

☐ Other(s), specify: Click to enter text.

B. Waterbody uses

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

- | | |
|--|--|
| <input type="checkbox"/> Livestock watering | <input type="checkbox"/> Contact recreation |
| <input type="checkbox"/> Irrigation withdrawal | <input type="checkbox"/> Non-contact recreation |
| <input type="checkbox"/> Fishing | <input type="checkbox"/> Navigation |
| <input type="checkbox"/> Domestic water supply | <input type="checkbox"/> Industrial water supply |
| <input type="checkbox"/> Park activities | <input type="checkbox"/> Other(s), specify: Click to enter text. |

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

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 6.0: INDUSTRIAL WASTE CONTRIBUTION

The following is required for all publicly owned treatment works.

Section 1. All POTWs (Instructions Page 89)

A. Industrial users (IUs)

Provide the number of each of the following types of industrial users (IUs) that discharge to your POTW and the daily flows from each user. See the Instructions for definitions of Categorical IUs, Significant IUs – non-categorical, and Other IUs.

If there are no users, enter 0 (zero).

Categorical IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0

Significant IUs – non-categorical:

Number of IUs: 0

Average Daily Flows, in MGD: 0

Other IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0

B. Treatment plant interference

In the past three years, has your POTW experienced treatment plant interference (see instructions)?

☐ Yes ☒ No

If yes, identify the dates, duration, description of interference, and probable cause(s) and possible source(s) of each interference event. Include the names of the IUs that may have caused the interference.

N/A – Facility has not yet been constructed.

C. Treatment plant pass through

In the past three years, has your POTW experienced pass through (see instructions)?

☐ Yes ☒ No

If **yes**, identify the dates, duration, a description of the pollutants passing through the treatment plant, and probable cause(s) and possible source(s) of each pass through event. Include the names of the IUs that may have caused pass through.

N/A – Facility has not yet been constructed.

D. Pretreatment program

Does your POTW have an approved pretreatment program?

☐ Yes ☒ No

If **yes**, complete Section 2 only of this Worksheet.

Is your POTW required to develop an approved pretreatment program?

☐ Yes ☒ No

If **yes**, complete Section 2.c. and 2.d. only, and skip Section 3.

If **no to either question above**, skip Section 2 and complete Section 3 for each significant industrial user and categorical industrial user.

Section 2. POTWs with Approved Programs or Those Required to Develop a Program (Instructions Page 90)

A. Substantial modifications

Have there been any **substantial modifications** to the approved pretreatment program that have not been submitted to the TCEQ for approval according to *40 CFR §403.18*?

☐ Yes ☐ No

If **yes**, identify the modifications that have not been submitted to TCEQ, including the purpose of the modification.

N/A

B. Non-substantial modifications

Have there been any **non-substantial modifications** to the approved pretreatment program that have not been submitted to TCEQ for review and acceptance?

☐ Yes ☐ No

If yes, identify all non-substantial modifications that have not been submitted to TCEQ, including the purpose of the modification.

N/A

C. Effluent parameters above the MAL

In Table 6.0(1), list all parameters measured above the MAL in the POTW's effluent monitoring during the last three years. Submit an attachment if necessary.

Table 6.0(1) – Parameters Above the MAL

Pollutant	Concentration	MAL	Units	Date

D. Industrial user interruptions

Has any SIU, CIU, or other IU caused or contributed to any problems (excluding interferences or pass throughs) at your POTW in the past three years?

☐ Yes ☐ No

If **yes**, identify the industry, describe each episode, including dates, duration, description of the problems, and probable pollutants.

N/A

Section 3. Significant Industrial User (SIU) Information and Categorical Industrial User (CIU) (Instructions Page 90)

A. General information

Company Name: N/A

SIC Code: N/A

Contact name: N/A

Address: N/A

City, State, and Zip Code: N/A

Telephone number: N/A

Email address: N/A

B. Process information

Describe the industrial processes or other activities that affect or contribute to the SIU(s) or CIU(s) discharge (i.e., process and non-process wastewater).

N/A

C. Product and service information

Provide a description of the principal product(s) or services performed.

N/A

D. Flow rate information

See the Instructions for definitions of “process” and “non-process wastewater.”

Process Wastewater:

Discharge, in gallons/day: N/A

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

Non-Process Wastewater:

Discharge, in gallons/day: N/A

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

E. Pretreatment standards

Is the SIU or CIU subject to technically based local limits as defined in the instructions?

☐ Yes ☐ No

Is the SIU or CIU subject to categorical pretreatment standards found in *40 CFR Parts 405-471*?

☐ Yes ☐ No

If subject to categorical pretreatment standards, indicate the applicable category and subcategory for each categorical process.

Category: Subcategories: N/A

[Click or tap here to enter text.](#) N/A

Category: N/A

Subcategories: N/A

Category: N/A

Subcategories: N/A

Category: N/A

Subcategories: N/A

Category: N/A

Subcategories: N/A

F. Industrial user interruptions

Has the SIU or CIU caused or contributed to any problems (e.g., interferences, pass through, odors, corrosion, blockages) at your POTW in the past three years?

☐ Yes ☐ No

If yes, identify the SIU, describe each episode, including dates, duration, description of problems, and probable pollutants.

N/A



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.)		
<input checked="" type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input type="checkbox"/> 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 605905983		RN

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)			
<input type="checkbox"/> New Customer <input checked="" type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership					
<input type="checkbox"/> 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>	
GB878 LLC					
7. TX SOS/CPA Filing Number		8. TX State Tax ID (11 digits)		9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)
0804090652		32079488410			
11. Type of Customer:		<input type="checkbox"/> Corporation		<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship		<input checked="" type="checkbox"/> Other: Limited Liability Company	
12. Number of Employees				13. Independently Owned and Operated?	
<input checked="" type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following					
<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:					
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant					
15. Mailing Address:		5501 Headquarters DR, Ste 300W			
City	Plano	State	TX	ZIP	75024
				ZIP + 4	
16. Country Mailing Information (if outside USA)				17. E-Mail Address (if applicable)	
				bsamuel@greenbrickpartners.com	
18. Telephone Number		19. Extension or Code		20. Fax Number (if applicable)	

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

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).

22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)

Seven Springs WWTP

23. Street Address of the Regulated Entity:

(No PO Boxes)

City

State

ZIP

ZIP + 4

24. County

Collin

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

25. Description to Physical Location:

Approximately 1.0 miles northeast of the intersection of CR 175 and CR 134 in Collin County, Texas.

26. Nearest City

State

Nearest ZIP Code

Weston

TX

75009

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).

27. Latitude (N) In Decimal:

33.368

28. Longitude (W) In Decimal:

96.665

Degrees

Minutes

Seconds

Degrees

Minutes

Seconds

33

22

4.8

96

39

54

29. Primary SIC Code

(4 digits)

30. Secondary SIC Code

(4 digits)

31. Primary NAICS Code

(5 or 6 digits)

32. Secondary NAICS Code

(5 or 6 digits)

4952

221320

33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)

Municipal Domestic Wastewater Treatment

34. Mailing Address:

GB878 LLC

5501 Headquarters DR, Ste 300W

City

Plano

State

TX

ZIP

75024

ZIP + 4

35. E-Mail Address:

bsamuel@greenbrickpartners.com

36. Telephone Number**37. Extension or Code****38. Fax Number** (if applicable)

(469) 573-6721

() -

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.


<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input checked="" type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

SECTION IV: Preparer Information

40. Name:	Laura Preston			41. Title:	Project Engineer
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address		
(214) 442-6579		() -	lpreston@lja.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:	GB878 LLC		Job Title:	Vice President	
Name (In Print):	Bobby Samuel			Phone:	(469) 573- 6721
Signature:				Date:	9/4/2024



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.

GB878 LLC (CN605905983) proposes to operate Seven Springs WWTP (RN TBD), an activated sludge process operating in the complete mix mode. The facility will be located at approximately 1.0 miles northeast of the intersection of CR 175 and CR 134, in Weston, Collin County, Texas 75097. This is a new application to discharge at a daily flow up to 500,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD₅), total suspended solids (TSS), ammonia nitrogen (NH₅-N) and *E. coli*. Domestic wastewater will be treated by an activated sludge process plant.

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

AGUAS RESIDUALES DOMÉSTICAS /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.

GB878 LLC (CN605905983) propone operar la Seven Springs WWTP RN TBD, un proceso de lodos activados que opera en el modo de mezcla complete. La instalación estará ubicada en 1.0 millas al noreste de la intersección de CR 175 y CR 134 , en Weston, Condado de Collin, Texas 75097. Esta es una nueva aplicación para descargar a un flujo diario hasta 500,000 galones por día de aguas residuales domésticas tratadas.

Se espera que las descargas de la instalación contengan contengan una demanda bioquímica de oxígeno carbonoso de cinco días, nitrógeno amoniacal, y E. coli. Las aguas residuales domesticas serán. está tratado por mediante un proceso lodos activados.



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.

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

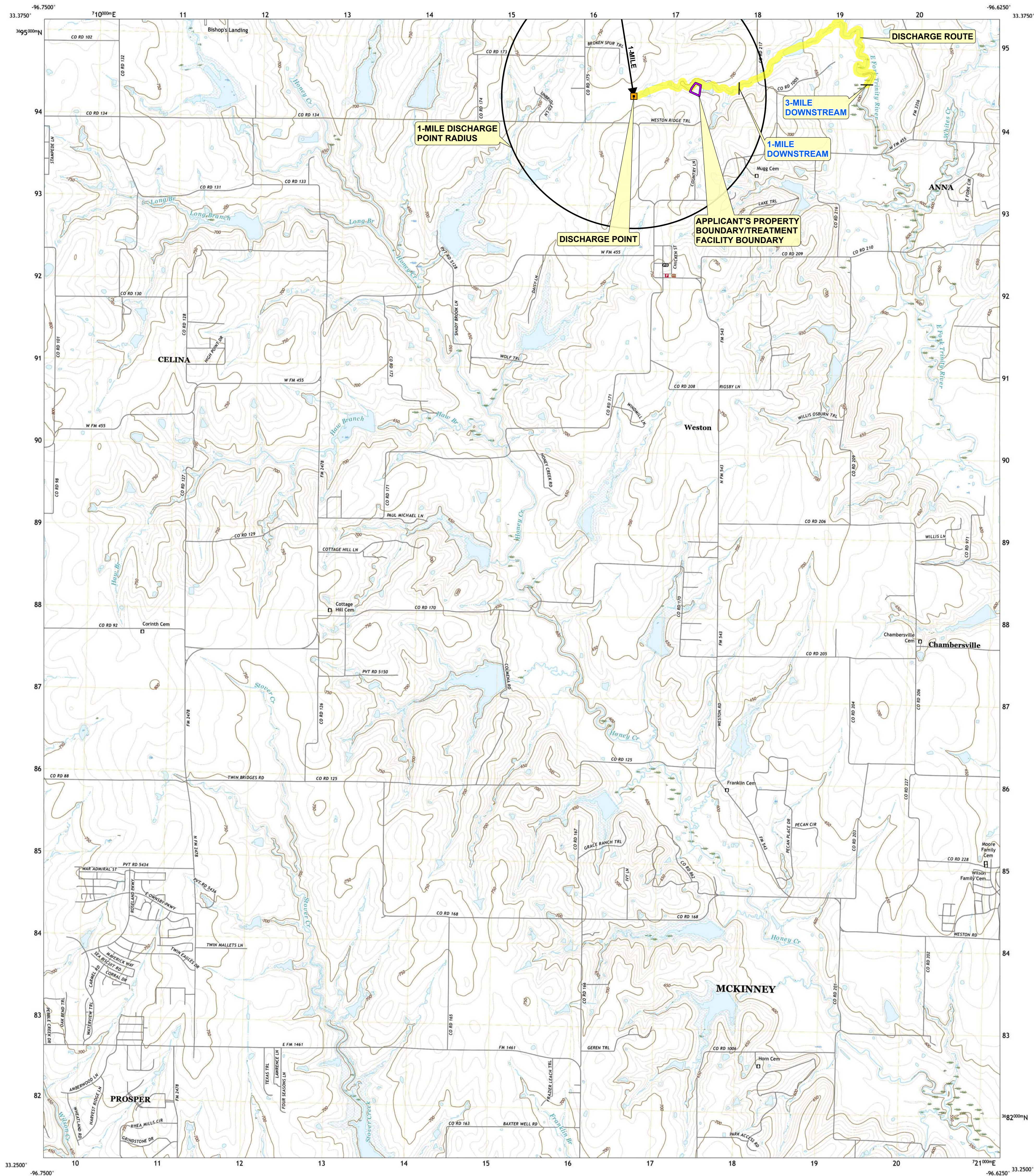
What types of notice will be provided?

Publish in alternative language newspaper

Posted on Commissioner's Integrated Database Website

Mailed by TCEQ's Office of the Chief Clerk

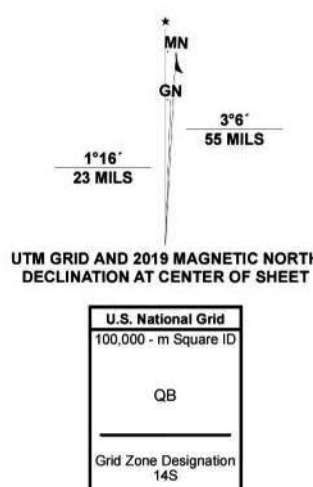
Other (specify)

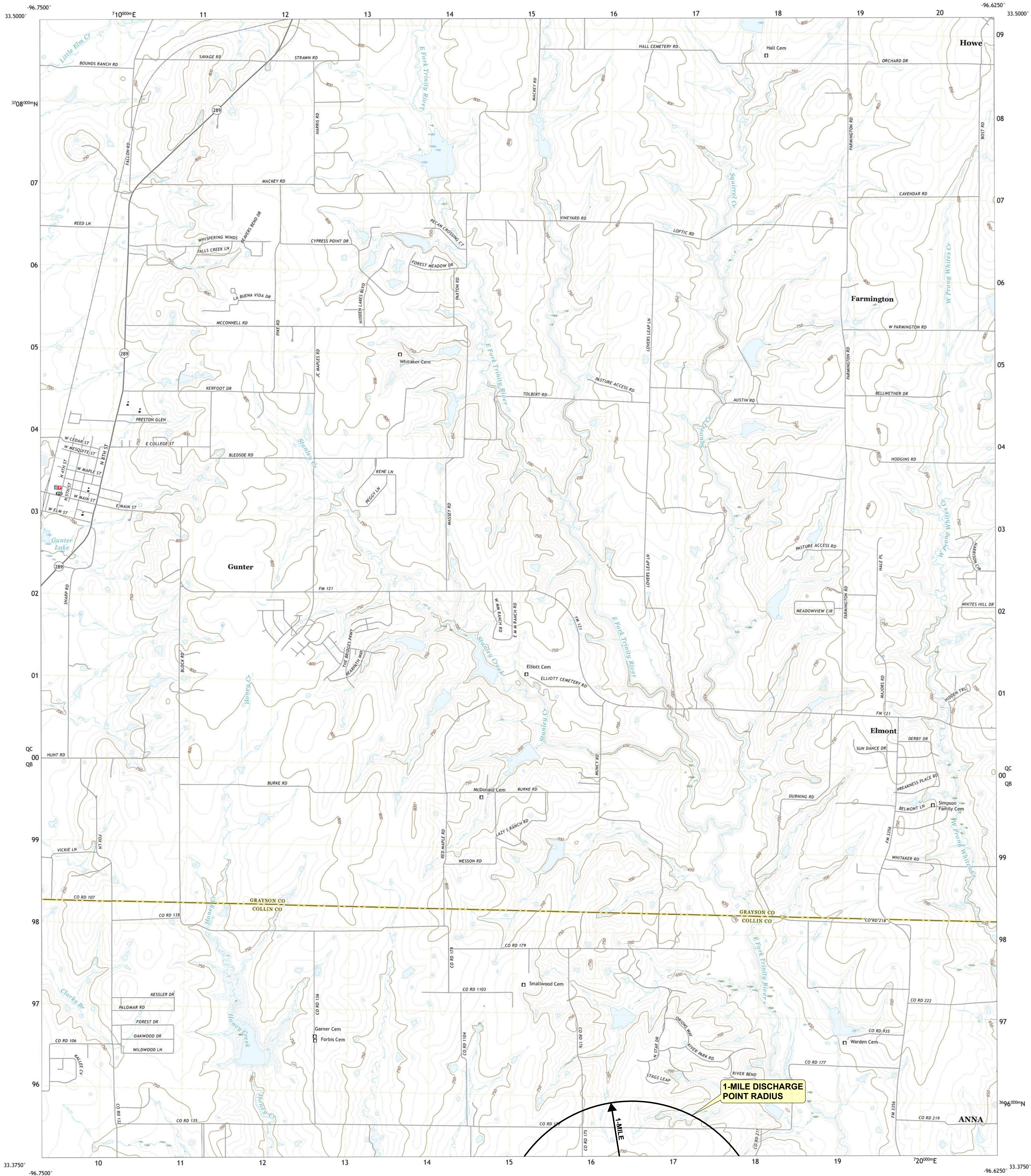


Produced by the United States Geological Survey

North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid: Universal Transverse Mercator, Zone 14S
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.

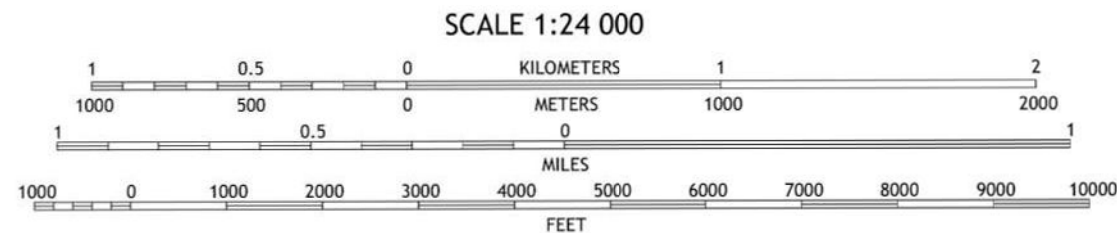
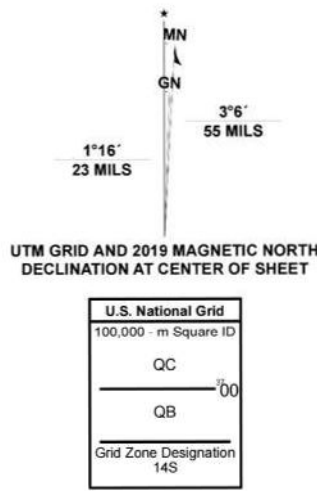
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Roads.....U.S. Census Bureau, 2015 - 2018
Names.....GNIS, 1979 - 2021
Hydrography.....National Hydrography Dataset, 2002 - 2018
Contours.....National Elevation Dataset, 2005
Boundaries.....Multiple sources; see metadata file 2019 - 2021
Wetlands.....FWS National Wetlands Inventory Not Available





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North American Datum of 1983 (NAD83). Projection and 1 000-meter grid: Universal Transverse Mercator, Zone 14S
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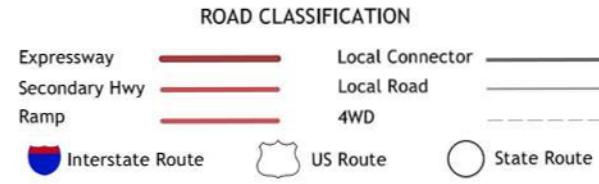


CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988
This map was produced to conform with the National Geospatial Program US Topo Product Standard.

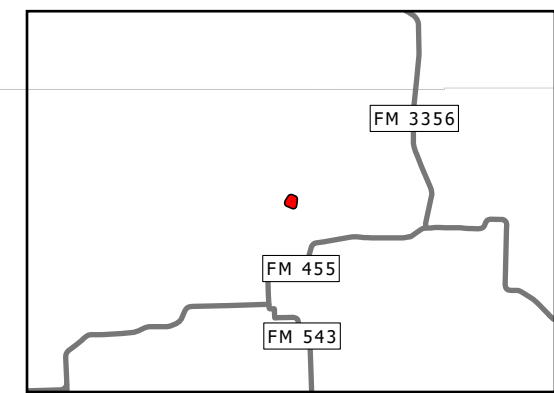


1	2	3
4	5	6
7	8	9

1 Ethel
2 Dorchester
3 Howe
4 Marilee
5 Van Alstyne
6 Celina
7 Weston
8 Anna



GUNTER, TX
2022



ATTACHMENT 4.2

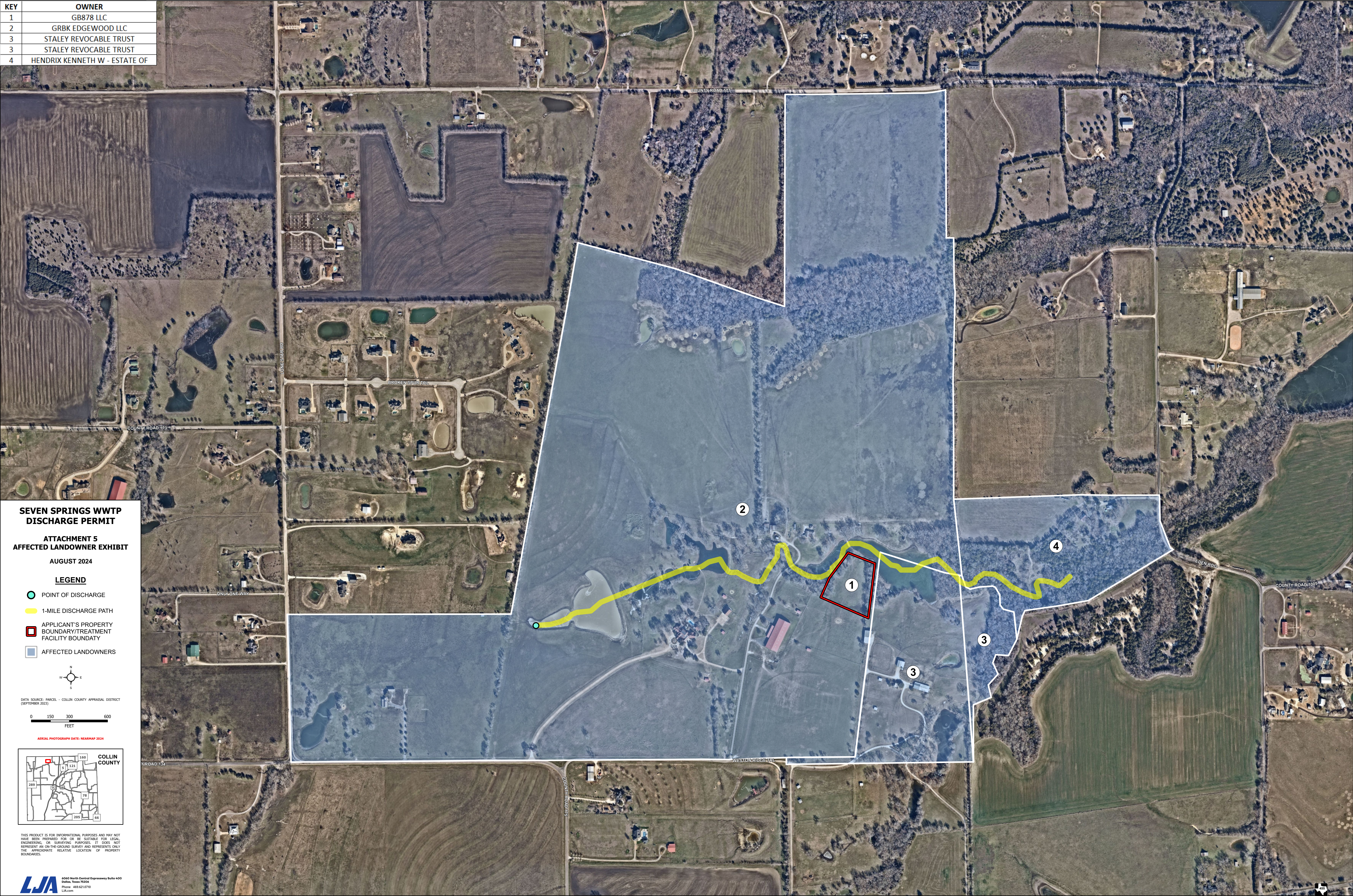
**SEVEN SPRINGS WWTP DISCHARGE PERMIT (3-MILE)
USGS TOPOGRAPHIC MAP**

LJA 6060 North Central Expressway Suite 400
Dallas, Texas 75206
Phone 469.621.0710
LJA.com

MAY 2024

JOB NO: NT340-0394

KEY	OWNER
1	GB878 LLC
2	GRBK EDGEWOOD LLC
3	STALEY REVOCABLE TRUST
3	STALEY REVOCABLE TRUST
4	HENDRIX KENNETH W - ESTATE OF



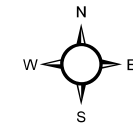
**SEVEN SPRINGS WWTP
DISCHARGE PERMIT**

**ATTACHMENT 5
AFFECTED LANDOWNER EXHIBIT**

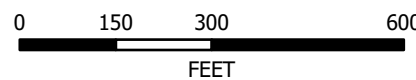
AUGUST 2024

LEGEND

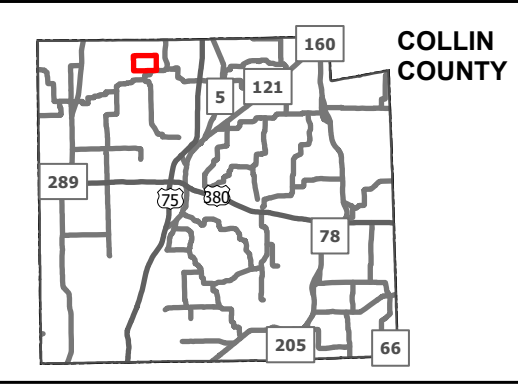
- POINT OF DISCHARGE
- 1-MILE DISCHARGE PATH
- APPLICANT'S PROPERTY
BOUNDARY/TREATMENT
FACILITY BOUNDARY
- AFFECTED LANDOWNERS



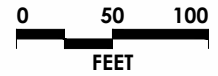
DATA SOURCE: PARCEL - COLLIN COUNTY APPRAISAL DISTRICT
(SEPTEMBER 2023)



AERIAL PHOTOGRAPH DATE: NEARMAP 2024



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HAVE BEEN PREPARED FOR OR BE SUITABLE FOR LEGAL,
ENGINEERING, OR SURVEYING PURPOSES. IT DOES NOT
REPRESENT AN ON-THE-GROUND SURVEY AND REPRESENTS ONLY
THE APPROXIMATE RELATIVE LOCATION OF PROPERTY
BOUNDARIES.



BUFFER ZONE AREA TO BE
MAINTAINED BY RESTRICTIVE
EASEMENT FROM ADJACENT
PROPERTY OWNER

PROPERTY
BOUNDARY

2. GRBK EDGEWOOD LLC

1. GB878 LLC

3. STALEY REVOCABLE TRUST

APPLICANT'S PROPERTY
BOUNDARY

AFFECTED LANDOWNER
ATTACHMENT 5

SEVEN SPRINGS WWTP

LJA Engineering, Inc.

6060 North Central Expressway
Suite 400
Dallas, Texas 75206

Phone 469.621.0710



FRN - F-1386

1. GB878 LLC
5501 HEADQUARTERS DR STE 300W
PLANO TX 75024
2. GRBK EDGEWOOD LLC
5501 HEADQUARTERS DR STE 300W
PLANO TX 75024
3. STALEY REVOCABLE TRUST
PO BOX 280
WESTON TX 75097
4. ESTATE OF KENNETH W HENDRIX
PO BOX 103
WESTON TX 75097

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: GB878 LLC

Permit No. WQ00 N/A

EPA ID No. TX N/A

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

Approximately 1.0 miles northeast of the intersection of CR 175 and CR 134 in Collin County, Texas.

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): Ms.

First and Last Name: Laura Preston

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

Title: Project Engineer

Mailing Address: 6060 N Central Expy, Ste 400

City, State, Zip Code: Dallas, Texas 75206

Phone No.: 214-442-6579 Ext.: N/A Fax No.: N/A

E-mail Address: lpreston@lja.com

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

To an unnamed tributary, thence to East Fork Trinity River, thence to Lake Lavon in Segment 0821 of the Trinity River Basin.

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

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

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

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

☐ Sealing caves, fractures, sinkholes, other karst features

☐ Disturbance of vegetation or wetlands

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

N/A

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

Undeveloped Land

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:

No existing buildings or structures are located on the property where the wastewater treatment plant is proposed.

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

The property where the wastewater treatment plant is proposed has never been developed and has generally been used for agricultural purposes.

0 100 200
FEET



STREAM
CENTERLINE

PHOTO 1

PHOTO 2

DISCHARGE
POINT

0 50 100
FEET



STREAM
CENTERLINE

PHOTO 5

PHOTO 3

PHOTO 4

APPLICANT PROPERTY
BOUNDARY/TREATMENT
FACILITY BOUNDARY

PHOTO LOCATION MAP ATTACHMENT 8

SEVEN SPRINGS WWTP

LJA Engineering, Inc.

6060 North Central Expressway
Suite 400
Dallas, Texas 75206

Phone 469.621.0710



FRN - F-1386



Photo 1: Downstream of outfall



Photo 2: Upstream of outfall



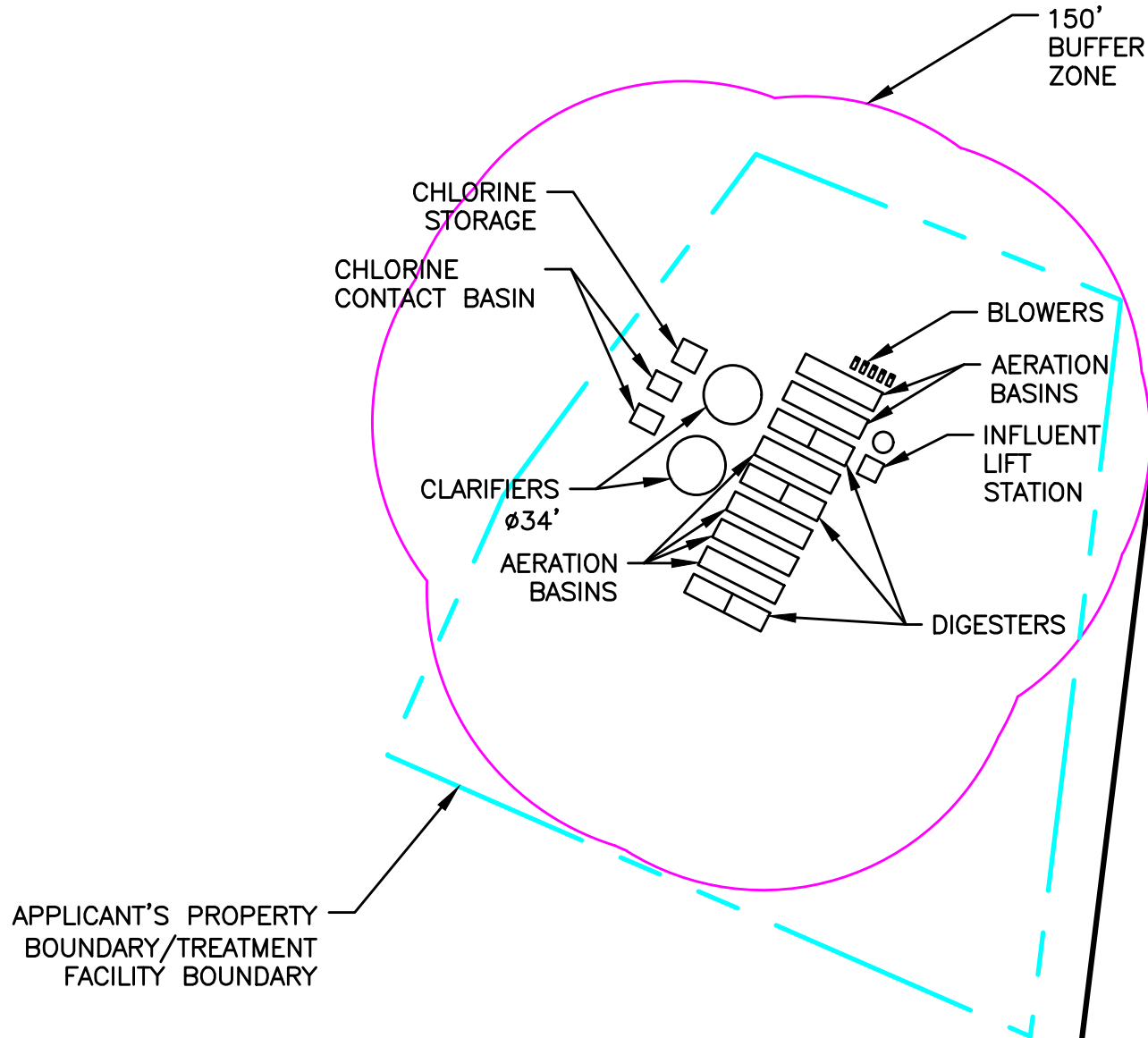
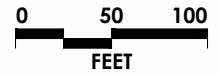
Photo 3: WWTP Site



Photo 4: Upstream of WWTP Site



Photo 5: Downstream of WWTP Site



BUFFER ZONE MAP

ATTACHMENT 9

SEVEN SPRINGS WWTP

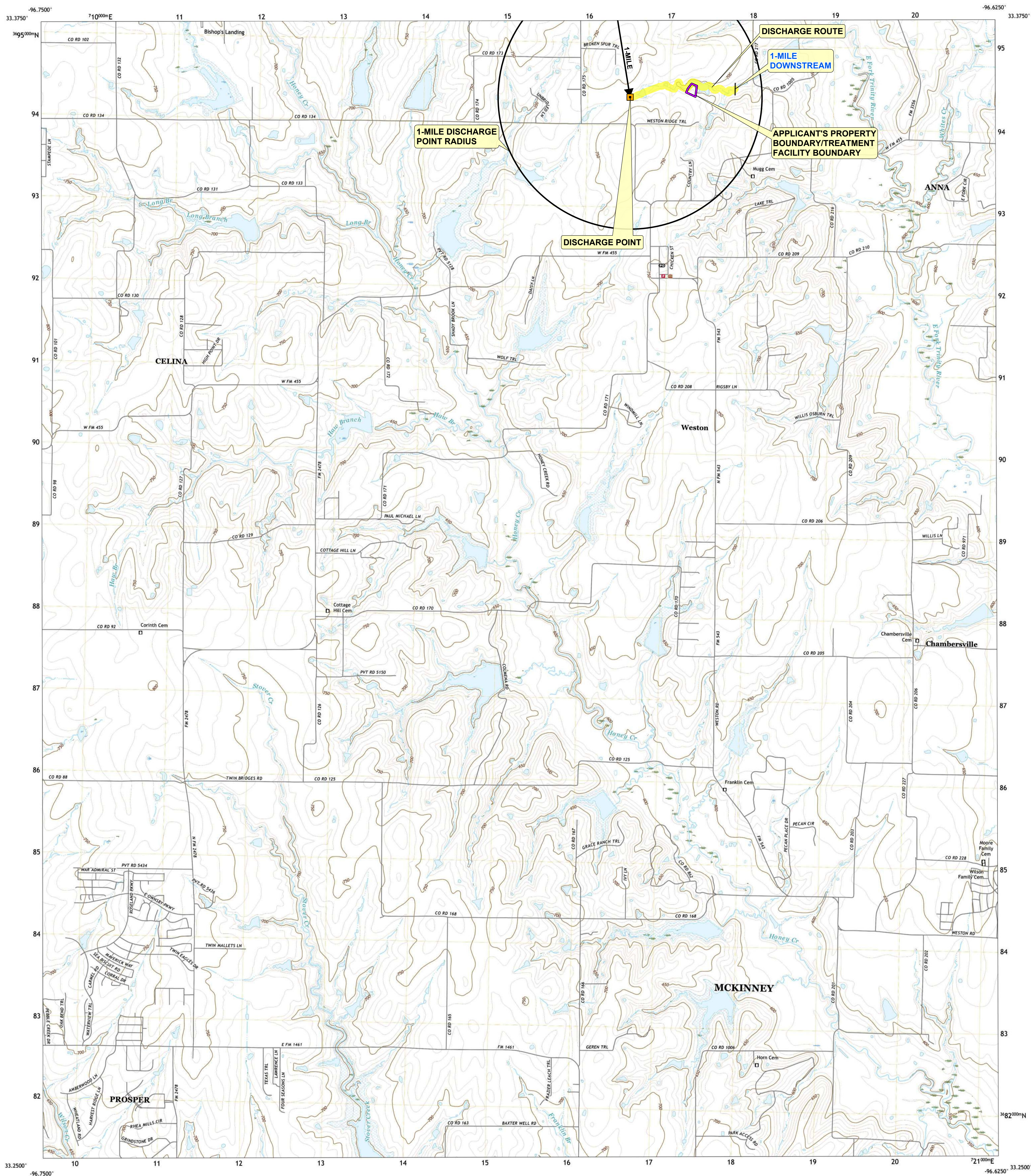
LJA Engineering, Inc.

6060 North Central Expressway
Suite 400
Dallas, Texas 75206

Phone 469.621.0710



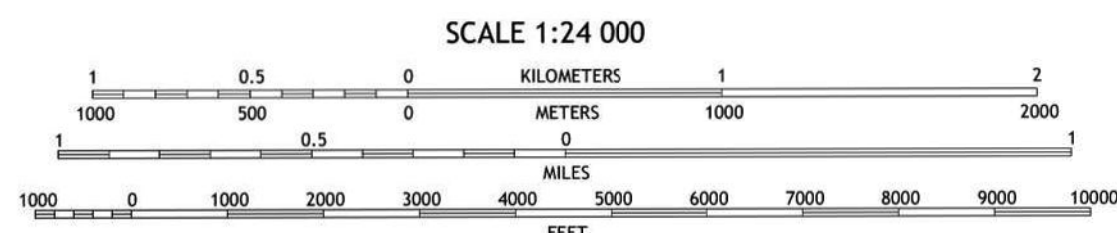
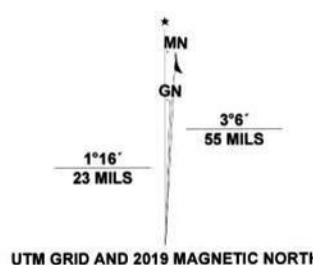
FRN - F-1386



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North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid: Universal Transverse Mercator, Zone 14SThis 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.Imagery: NADIP, September 2016 - November 2016
Roads: U.S. Census Bureau, 2015 - 2018
Names: U.S. Census Bureau, 1979 - 2021
Hydrography: National Hydrography Dataset, 2002 - 2018
Contours: National Elevation Dataset, 2005
Boundaries: Multiple sources; see metadata file 2019 - 2021

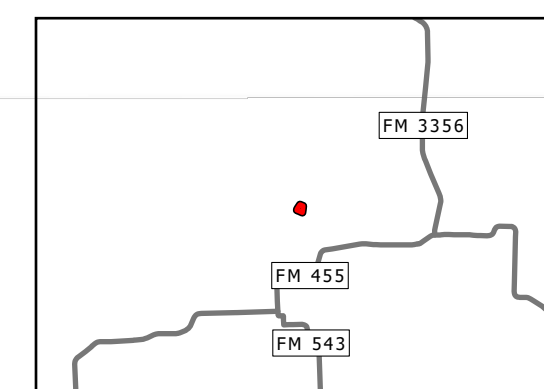
Wetlands: FWS National Wetlands Inventory Not Available

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988
This map was produced to conform with the
National Geospatial Program US Topo Product Standard.

1	2	3
4	5	6
7	8	9

ADJOINING QUADRANGLES

1 Marilee
2 Gunter
3 Van Alstyne
4 Collina
5 Anna
6 Frisco
7 McKinney West
8 McKinney East

WESTON, TX
2022

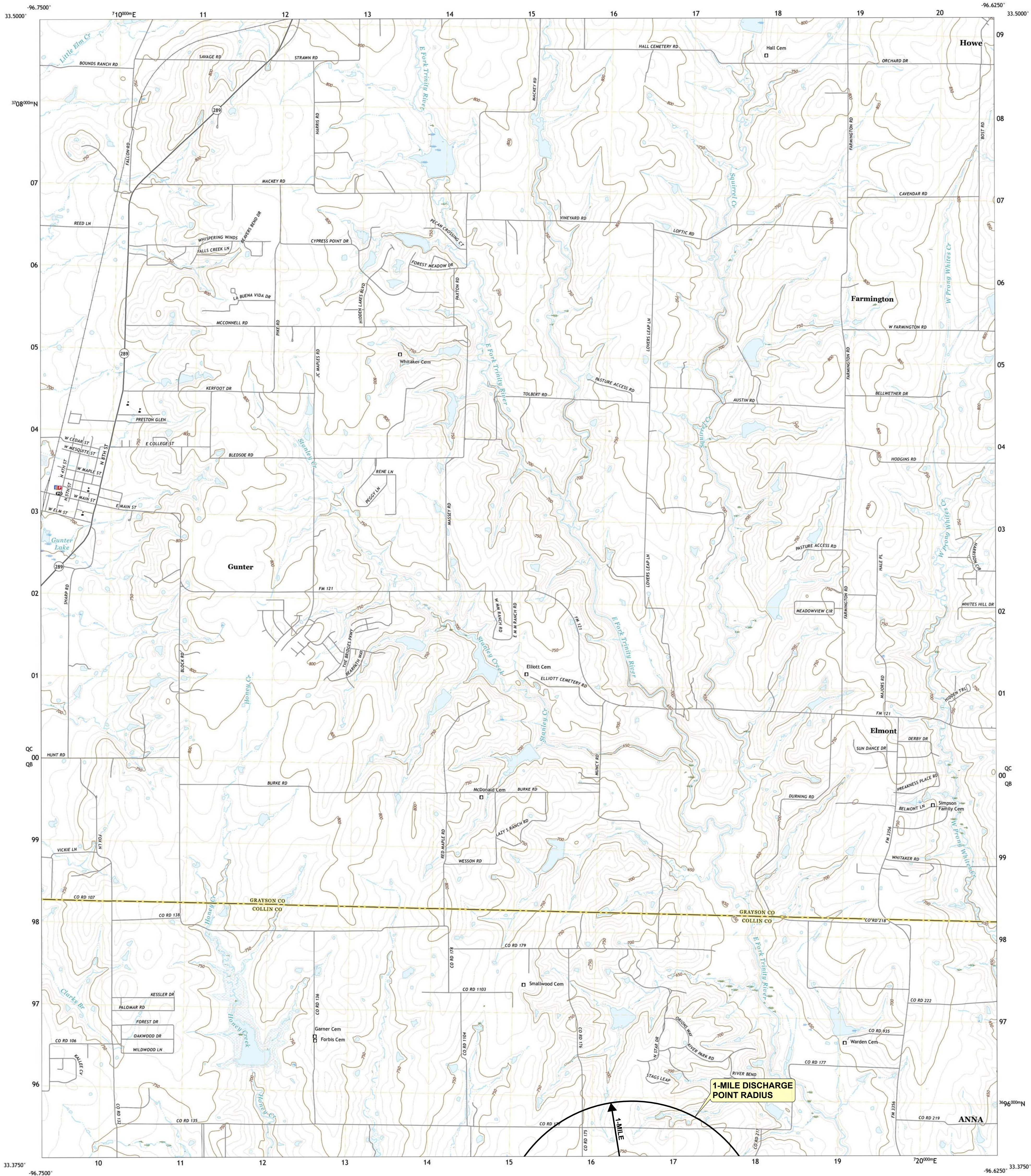
ATTACHMENT 10.1

**SEVEN SPRINGS WWTP DISCHARGE PERMIT (1-MILE)
USGS TOPOGRAPHIC MAP**

LJA 6060 North Central Expressway Suite 400
Dallas, Texas 75206
Phone 469.621.0710
LJA.com

MAY 2024

JOB NO: NT340-0394

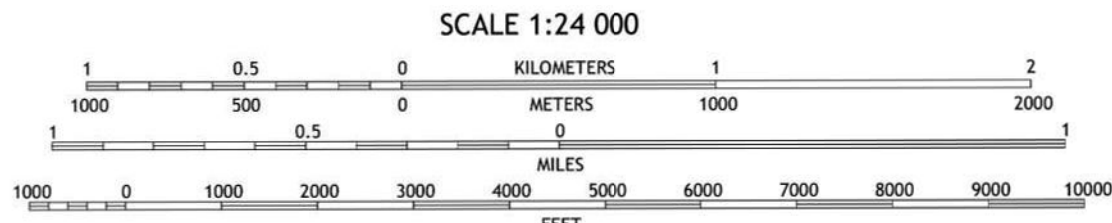


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North American Datum of 1983 (NAD83). Projection and
1 000-meter grid: Universal Transverse Mercator, Zone 14S
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Name.....GNIS, 1979 - 2021
Hydrography.....National Hydrography Dataset, 2002 - 2018
Contours.....National Elevation Dataset, 2005
Boundaries.....Multiple sources; see metadata file 2019 - 2021
Wetlands.....FWS National Wetlands Inventory Not Available

UTM GRID AND 2019 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

UTM Zone Designation	2019 Magnetic North Declination
18Q	11° 16' 23" N
18R	11° 16' 23" N
18S	11° 16' 23" N
18T	11° 16' 23" N



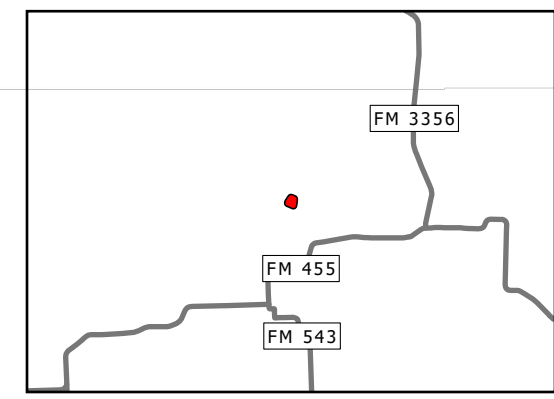
1	2	3
4	5	6
7	8	9

ADJOINING QUADRANGLES

ROAD CLASSIFICATION

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

GUNTER, TX
2022



ATTACHMENT 10.2

**SEVEN SPRINGS WWTP DISCHARGE PERMIT (1-MILE)
USGS TOPOGRAPHIC MAP**

LJA 6060 North Central Expressway Suite 400
Dallas, Texas 75206
Phone 469.621.0710
LJA.com

MAY 2024

JOB NO: NT340-0394

ATTACHMENT 11
DESCRIPTION OF THE TREATMENT PROCESS

(In reference to Domestic Technical Report 1.0, Section 2, Item A)

The treatment system includes a package plant employing the activated sludge process operating in the complete mix mode. The plant will be developed in three phases and will include two treatment trains when complete. Phase 1, Phase 2, and the Final Phase 3 will have a capacity of 0.125 MGD, 0.250 MGD, and 0.50 MGD, respectively. In the Final Phase, the plant will have a common header between the aeration basins and clarifier to allow for flexibility in plant repairs and operations. Since the chlorine contact basin will be sized for the final Phase 3, the three planned phases will have a common outfall and sampling point.

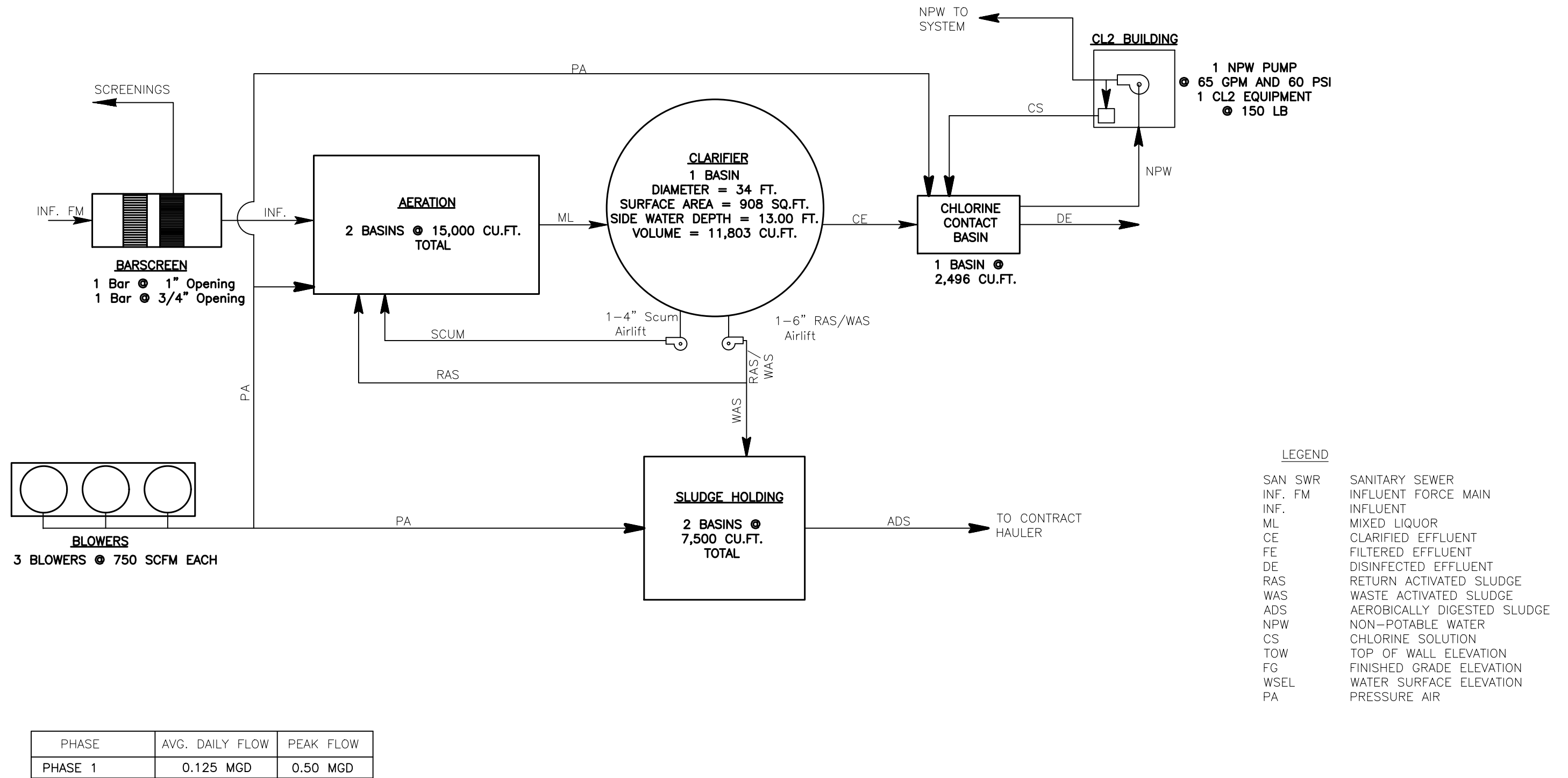
The completed treatment train will consist of steel "box car" units used for aeration and digestion. Two aeration basins, two sludge digestion basins, one 34' diameter clarifier and one chlorine contact basin will be fabricated for Phase 1. Phase 2 will include an additional aeration basin, additional sludge digestion basin, but will utilize the Phase 1 clarifier and chlorine contact basin. The Final Phase 3 will include a total of six aeration basins, six sludge digestion basins, two clarifiers, and two chlorine contact basins.

Influent to this facility will be pumped from an on-site lift station to a bar screen. In the Final Phase 3, the bar screen will include a flow splitter thus splitting the influent to each bank of aeration basins. The mixed liquor from the aeration basins will flow to the clarifier. The clarified effluent from the clarifier will then flow to the chlorine contact basin and the disinfected plant effluent will outfall via a 36" pipe. Sludge will be returned to the aeration basins then wasted to the digester basins via air lifts. Sludge from the digesters will be truck hauled for disposal at a registered disposal site.

Attachment No. 12			
Treatment Units	# of Units	Dimensions (L*W*D) (ft.)	
Aeration Basin	2	50*12*14	INTERIM PHASE 1 0.125 MGD
Clarifier	1	34*Dia*14	
Cl2 Contact Basin	1	20*10*14	
Aerobic Digester	2	30*12*14	
Aeration Basin	2	50*12*14	INTERIM PHASE 2 0.25 MGD
Aeration Basin	1	50*12*14	
Clarifier	1	34*Dia*14	
Cl2 Contact Basin	1	20*10*14	
Aerobic Digester	2	30*12*14	
Aerobic Digester	1	30*12*14	
Aeration Basin	3	50*12*14	ULTIMATE PHASE 0.50 MGD
Aeration Basin	3	50*12*14	
Clarifier	1	34*Dia*14	
Clarifier	1	34*Dia*14	
Cl2 Contact Basin	1	20*10*14	
Cl2 Contact Basin	1	20*10*14	
Aerobic Digester	3	30*12*14	
Aerobic Digester	3	30*12*14	

Bolded	New processes
Shaded	Existing processes

Date\\Time : Thu, 18 Apr 2024 - 3:06pm User Name : seasley Path\\Name : S:\\NTX-LAND\\0394\\300SUPPORT\\370 Wastewater\\WWTP Discharge Permit\\Design\\Process Flow Diagrams\\dwg



ATTACHMENT 13.1
PROCESS FLOW DIAGRAM
INTERIM PHASE 1 - 0.125 MGD

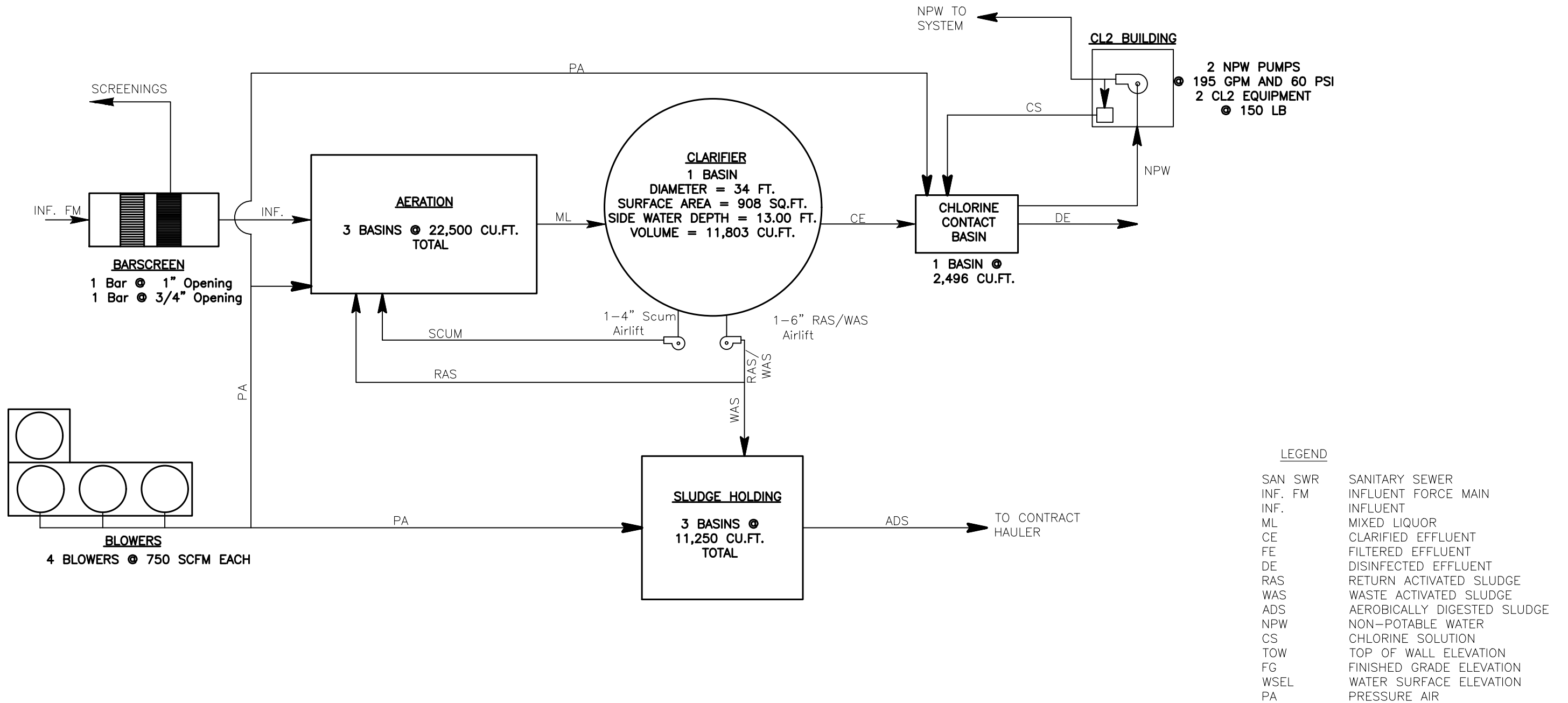
LJA Engineering, Inc.

3600 W Sam Houston Parkway S.
Suite 600
Houston, Texas 77042

Phone 713.953.5200
Fax 713.953.5026
FRN - F-1386



Date\Time : Thu, 18 Apr 2024 - 3:06pm User Name : seasley Path\Name : S:\NTX-LAND\0394\300SUPPORT\370 Wastewater\WWTP Discharge Permit\Design\Process Flow Diagrams\dwg



PHASE	AVG. DAILY FLOW	PEAK FLOW
PHASE 1	0.125 MGD	0.50 MGD
PHASE 2	0.25 MGD	1.00 MGD

ATTACHMENT 13.2

PROCESS FLOW DIAGRAM
PHASE 2 - 0.25 MGD

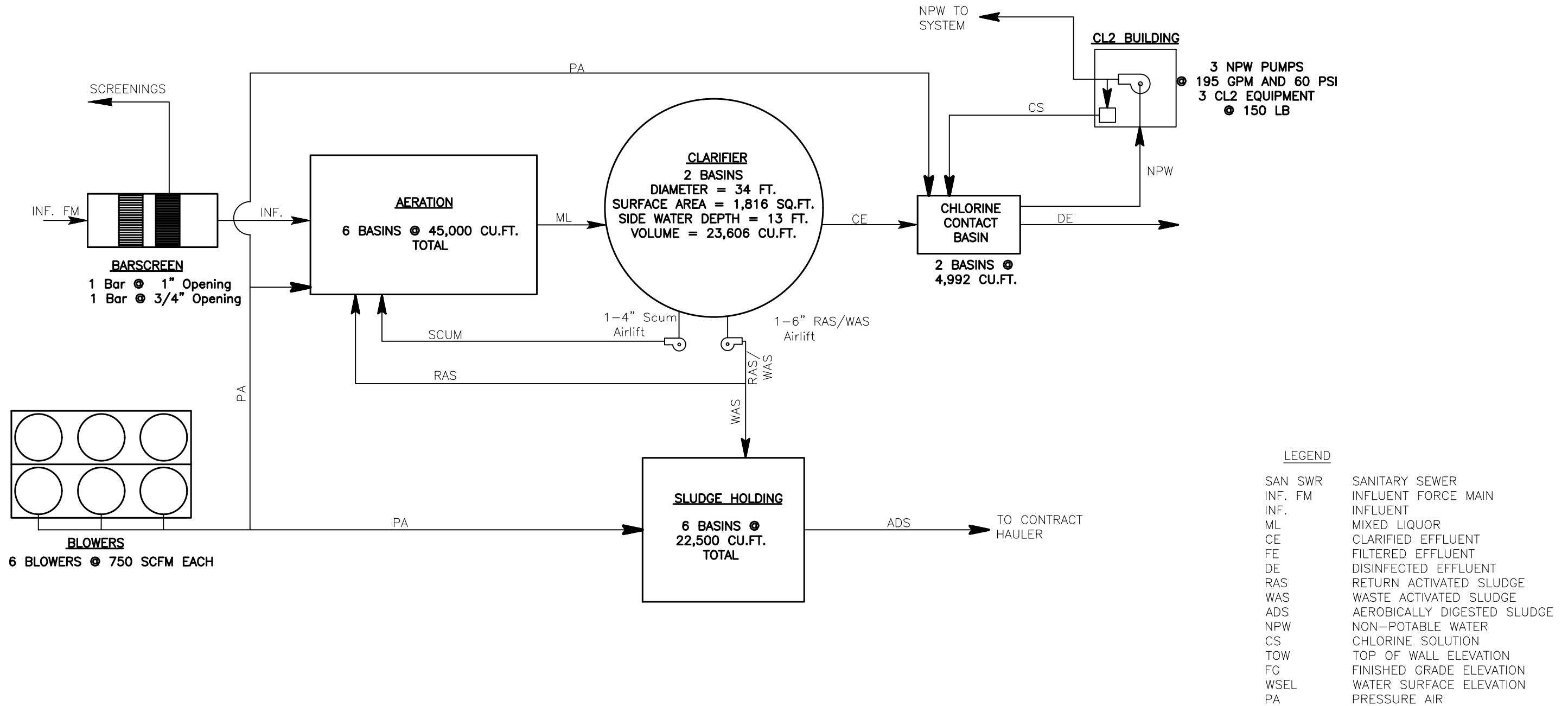
LJA Engineering, Inc.

3600 W Sam Houston Parkway S.
Suite 600
Houston, Texas 77042

Phone 713.953.5200
Fax 713.953.5026
FRN - F-1386



Date\\Time : Thu, 18 Apr 2024 - 3:06pm User Name : seasley Path\\Name : Si\\NTX-LAND\\0394\\300SUPPORT\\370 Wastewater\\WWTP Discharge Permit\\Design\\Process Flow Diagrams\\dwg



PHASE	AVG. DAILY FLOW	PEAK FLOW
PHASE I	0.125 MGD	0.50 MGD
PHASE II	0.25 MGD	1.00 MGD
PHASE III	0.50 MGD	2.00 MGD

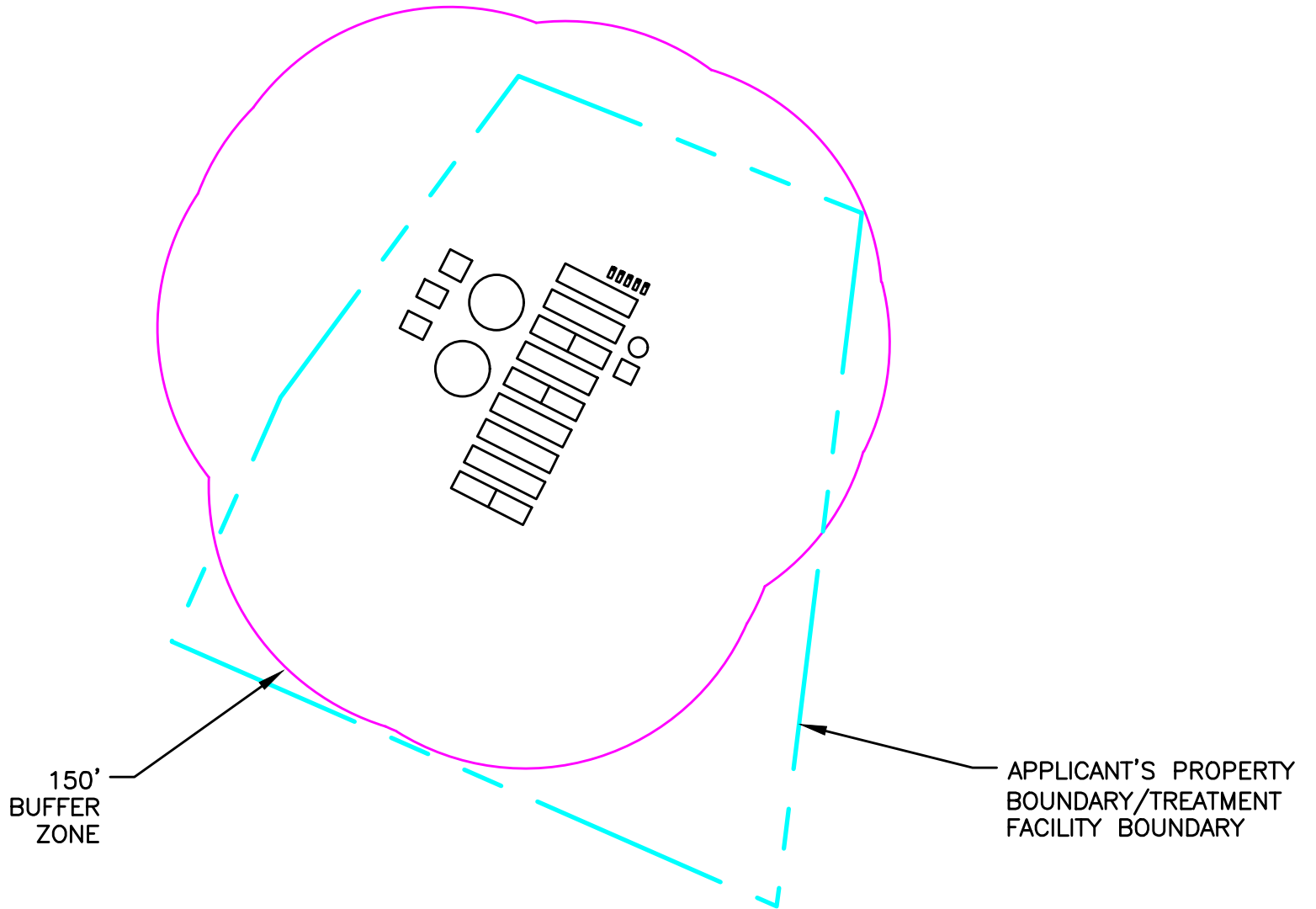
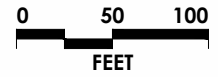
ATTACHMENT 13.3
PROCESS FLOW DIAGRAM
(ULTIMATE) PHASE 3 - 0.50 MGD

LJA Engineering, Inc.

3600 W Sam Houston Parkway S.
Suite 600
Houston, Texas 77042

Phone 713.953.5200
Fax 713.953.5026
FRN - F-1386





SITE DRAWING

ATTACHMENT 14

SEVEN SPRINGS WWTP

LJA Engineering, Inc.

6060 North Central Expressway
Suite 400
Dallas, Texas 75206

Phone 469.621.0710



FRN - F-1386

SEVEN SPRINGS WWTP
DISCHARGE PERMIT

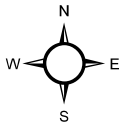
ATTACHMENT 15
NEARBY DOMESTIC PERMITTED WWTFs
NEARBY SEWER-CCN
(WITHIN 3-MILE RADIUS)

MAY 2024

LEGEND

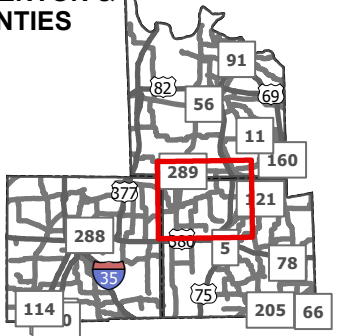
- POINT OF DISCHARGE
- WASTEWATER OUTFALLS
- APPLICANT'S PROPERTY
BOUNDARY/TREATMENT
FACILITY BOUNDARY
- 3-MILE RADIUS
- CCN SEWER BOUNDARIES*
- COUNTY LINE

DATA SOURCE: TCEQ OUTFALLS - UPDATED JULY 2023, CCNS -
PUC, COUNTY LINE - ESRI



0 4,000 8,000 16,000
FEET

GRAYSON, DENTON &
COLLIN COUNTIES

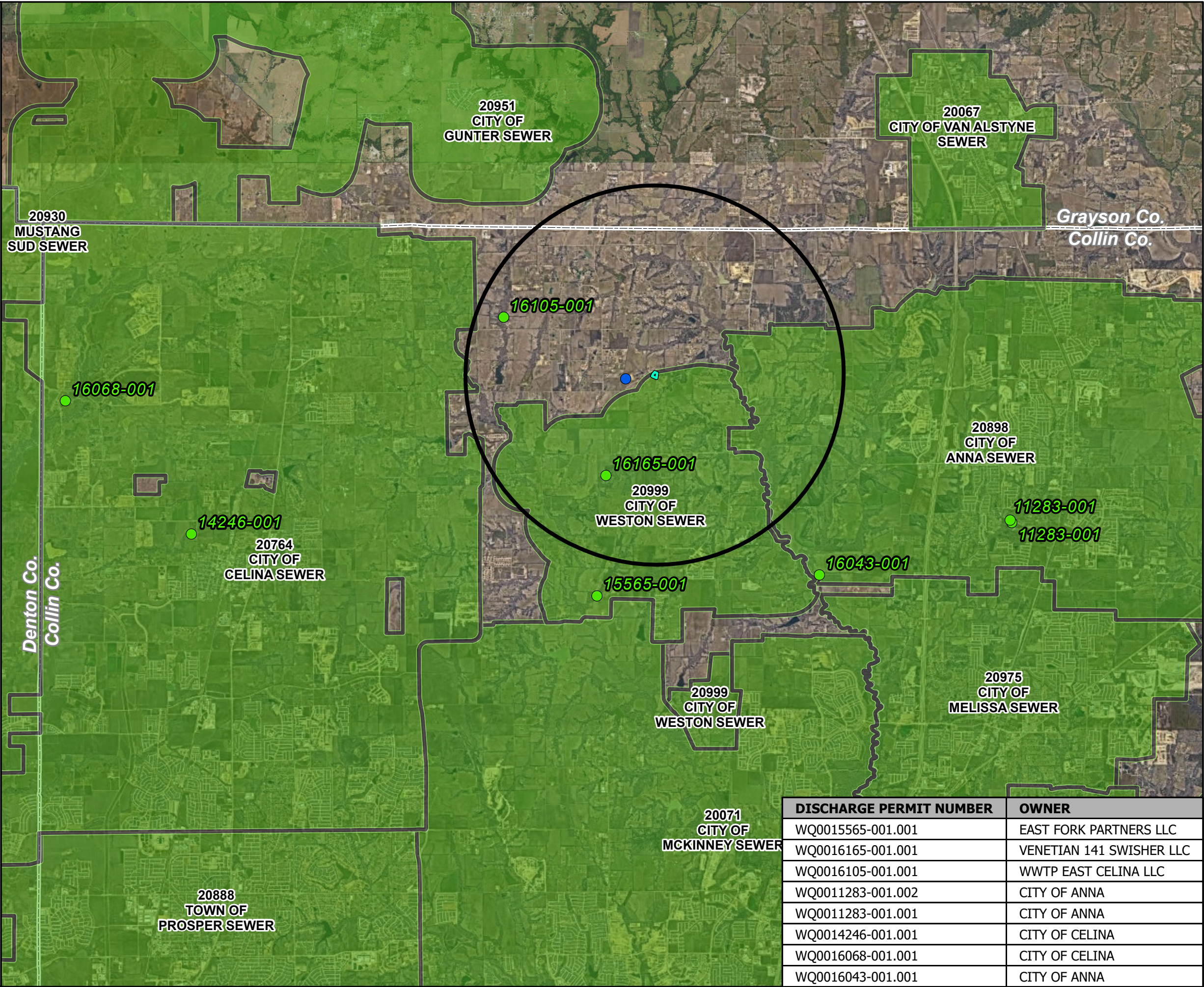


AERIAL PHOTOGRAPH DATE: NEARMAP 2023 AND 2024, NAIP 2022

THIS PRODUCT IS FOR INFORMATIONAL PURPOSES AND MAY NOT
HAVE BEEN PREPARED FOR OR BE SUITABLE FOR LEGAL,
ENGINEERING, OR SURVEYING PURPOSES. IT DOES NOT REPRESENT
AN ON-THE-GROUND SURVEY AND REPRESENTS ONLY THE
APPROXIMATE RELATIVE LOCATION OF PROPERTY BOUNDARIES.



6060 North Central Expressway Suite 400
Dallas, Texas 75206
Phone 469.621.0710
LJA.com





May 29, 2024

VIA CERTIFIED MAIL

City of Celina Public Works Department
142 N Ohio ST
Celina, Texas 75009

Re: Wastewater Service Request for Seven Springs WWTP
LJA Job No. NT340-0394

To Whom It May Concern:

We are currently preparing an application for a discharge permit for the Seven Springs Wastewater Treatment Plant in Collin County. The proposed development will require 0.50 MGD of ultimate wastewater service capacity. TCEQ regulations require us to contact all entities with a permitted wastewater treatment plant or collection system within three (3) miles of our plant and identify any available capacity at those facilities. Your system is within a three (3) mile radius of our facility. Please let us know if you have the extra capacity in your facility to accommodate the required flow or are willing to expand your facility to accommodate this flow.

Please respond by indicating below on this letter if the city of Celina has available capacity. After you have made the required indication, please email (lpreston@lja.com) or mail the response back. We would appreciate a response within thirty (30) days. Thank you in advance for your prompt attention regarding this matter.

Sincerely,

Laura Preston, PE
Project Engineer

- ☐ Yes, our wastewater treatment facility has sufficient capacity to serve the proposed development. Contact Phone Number: _____
- ☐ No, our wastewater treatment facility does not have sufficient capacity to serve the proposed development.

Name: _____ Title: _____

Signature: _____ Date: _____



May 29, 2024

VIA CERTIFIED MAIL

City of Anna Public Works Department
P.O. Box 776
Anna, Texas 75409

Re: Wastewater Service Request for Seven Springs WWTP
LJA Job No. NT340-0394

To Whom It May Concern:

We are currently preparing an application for a discharge permit for the Seven Springs Wastewater Treatment Plant in Collin County. The proposed development will require 0.50 MGD of ultimate wastewater service capacity. TCEQ regulations require us to contact all entities with a permitted wastewater treatment plant or collection system within three (3) miles of our plant and identify any available capacity at those facilities. Your system is within a three (3) mile radius of our facility. Please let us know if you have the extra capacity in your facility to accommodate the required flow or are willing to expand your facility to accommodate this flow.

Please respond by indicating below on this letter if the city of Anna has available capacity. After you have made the required indication, please email (lpreston@lja.com) or mail the response back. We would appreciate a response within thirty (30) days. We will consider no response indicative the facility does not have available capacity. Thank you in advance for your prompt attention regarding this matter.

Sincerely,

Laura Preston, PE
Project Engineer

- ☐ Yes, our wastewater treatment facility has sufficient capacity to serve the proposed development. Contact Phone Number: _____
- ☐ No, our wastewater treatment facility does not have sufficient capacity to serve the proposed development.

Name: _____ Title: _____

Signature: _____ Date: _____



May 29, 2024

VIA CERTIFIED MAIL

City of Weston Public Works Department
P.O. Box 248
Weston, Texas 75097

Re: Wastewater Service Request for Seven Springs WWTP
LJA Job No. NT340-0394

To Whom It May Concern:

We are currently preparing an application for a discharge permit for the Seven Springs Wastewater Treatment Plant in Collin County. The proposed development will require 0.50 MGD of ultimate wastewater service capacity. TCEQ regulations require us to contact all entities with a permitted wastewater treatment plant or collection system within three (3) miles of our plant and identify any available capacity at those facilities. Your system is within a three (3) mile radius of our facility. Please let us know if you have the extra capacity in your facility to accommodate the required flow or are willing to expand your facility to accommodate this flow.

Please respond by indicating below on this letter if the city of Weston has available capacity. After you have made the required indication, please email (lpreston@lja.com) or mail the response back. We would appreciate a response within thirty (30) days. We will consider no response indicative the facility does not have available capacity. Thank you in advance for your prompt attention regarding this matter.

Sincerely,

Laura Preston, PE
Project Engineer

- ☐ Yes, our wastewater treatment facility has sufficient capacity to serve the proposed development. Contact Phone Number: _____
- ☐ No, our wastewater treatment facility does not have sufficient capacity to serve the proposed development.

Name: _____ Title: _____

Signature: _____ Date: _____



May 29, 2024

VIA CERTIFIED MAIL

North Collin County MUD No. 1
16000 North Dallas Parkway, Suite 350
Dallas, Texas 75248

Re: Wastewater Service Request for Seven Springs WWTP
LJA Job No. NT340-0394

To Whom It May Concern:

We are currently preparing an application for a discharge permit for the Seven Springs Wastewater Treatment Plant in Collin County. The proposed development will require 0.50 MGD of ultimate wastewater service capacity. TCEQ regulations require us to contact all entities with a permitted wastewater treatment plant or collection system within three (3) miles of our plant and identify any available capacity at those facilities. Your system is within a three (3) mile radius of our facility. Please let us know if you have the extra capacity in your facility to accommodate the required flow or are willing to expand your facility to accommodate this flow.

Please respond by indicating below on this letter if North Collin County MUD No. 1 has available capacity. After you have made the required indication, please email (lpreston@lja.com) or mail the response back. We would appreciate a response within thirty (30) days. We will consider no response indicative the facility does not have available capacity. Thank you in advance for your prompt attention regarding this matter.

Sincerely,

Laura Preston, PE
Project Engineer

- ☐ Yes, our wastewater treatment facility has sufficient capacity to serve the proposed development. Contact Phone Number: _____
- ☐ No, our wastewater treatment facility does not have sufficient capacity to serve the proposed development.

Name: _____ Title: _____

Signature: _____ Date: _____



May 29, 2024

VIA CERTIFIED MAIL

Venetian 141 Swisher, LLC
2101 Cedar Springs RD, STE 700
Dallas, Texas 75201

Re: Wastewater Service Request for Seven Springs WWTP
LJA Job No. NT340-0394

To Whom It May Concern:

We are currently preparing an application for a discharge permit for the Seven Springs Wastewater Treatment Plant in Collin County. The proposed development will require 0.50 MGD of ultimate wastewater service capacity. TCEQ regulations require us to contact all entities with a permitted wastewater treatment plant or collection system within three (3) miles of our plant and identify any available capacity at those facilities. Your system is within a three (3) mile radius of our facility. Please let us know if you have the extra capacity in your facility to accommodate the required flow or are willing to expand your facility to accommodate this flow.

Please respond by indicating below on this letter if Venetian 141 Swisher, LLC has available capacity. After you have made the required indication, please email (lpreston@lja.com) or mail the response back. We would appreciate a response within thirty (30) days. We will consider no response indicative the facility does not have available capacity. Thank you in advance for your prompt attention regarding this matter.

Sincerely,

Laura Preston, PE
Project Engineer

- ☐ Yes, our wastewater treatment facility has sufficient capacity to serve the proposed development. Contact Phone Number: _____
- ☐ No, our wastewater treatment facility does not have sufficient capacity to serve the proposed development.

Name: _____ Title: _____

Signature: _____ Date: _____

Project Name: Seven Springs WWTP
Wastewater Treatment Plant
Process Design Calculations

Project #: NT340-0394

WWTP Influent Flow

		Phase I	Phase II	Phase III
Average Daily Flow	gpd	125,000	250,000	500,000
Peaking Factor		4	4	4
Peak Flow	gpd	500,000	1,000,000	2,000,000
Equivalent Single Family Connections	ESFC	357	714	1,428
Water Usage per Connection	gal/ESFC	350	350	350

WWTP Organic Parameters

BOD ₅	325 mg/L			
NH ₃	70 mg/L			
BOD Loading	lbs/d	339	678	1,355

Aeration Basin Design

Process Description	15C			
Organic Loading Rate	35	lbs BOD5/day/1,000ft ³		
Minimum Free Board	1.5	ft		
Minimum Aeration Volume	ft ³	9,680	19,361	38,721
Number of Tanks		2	3	6
Length	ft	50	50	50
Width	ft	12	12	12
Height of Basin	ft	14.0	14.0	14.0
Calculated Side Water Depth at Peak Flow	ft	12.50	12.50	12.50
Proposed Free Board at Peak Flow	ft	1.50	1.50	1.50
Proposed Volume	ft ³	15,000	22,500	45,000

Secondary Clarifier Design

Process Description	Activated Sludge - Secondary, Enhanced Secondary, or Secondary With Nitrification			
Maximum Surface Loading @ 2-hr Peak Flow	1,200	gpd/ft ²		
Minimum Detention Time	1.8	hrs		
Minimum Side Water Depth	13	ft		
Minimum Free Board	1	ft		
Maximum Weir Loading		20,000	20,000	20,000
Maximum Vertical Velocity in Stilling Well	0.15	ft/s		
Minimum Surface Area Required	ft ²	417	833	1,667
Number of Clarifiers		1	1	2
Diameter	ft	34	34	34
Proposed Weir Loading	gpd/lf	4,974	9,947	9,947
Height of Clarifier	ft	14.0	14.0	14.0
Calculated Side Water Depth at Peak Flow	ft	13.00	13.00	13.00
Proposed Free Board at Peak Flow	ft	1.00	1.00	1.00
Proposed Surface Area	ft ²	908	908	1,816
Proposed Volume	ft ³	11,803	11,803	23,606
Proposed Detention Time at Peak Flow	hrs	4.24	2.12	2.12
Stilling Well Diameter	ft	6.0	6.0	6.0
Proposed Stilling Well Velocity	ft/s	0.03	0.05	0.05

Chlorine Contact Basin

Minimum Contact Time	20 min
Minimum Free Board	1 ft

Number of Basins		1	1	2
Width of Tank	12 ft	12	12	12
Height of Tank	14 ft	14	14	14
Calculated Side Water Depth at Peak Flow	ft	13.00	13.00	13.00
Calculated Free Board at Peak Flow	ft	1.00	1.00	1.00
Proposed Length of Tank	16 ft	16	16	16
Proposed Volume	ft ³	2,496	2,496	4,992
Proposed Detention Time	min	53.77	26.88	26.88

Aerobic Digester Design

Volatile Solids Wasted (From Solids Balance)	lbs/d	250	500	1000
TCEQ Loading Rate	200 lbs/d/1,000ft ³			

$$V = \frac{P_{x,tss}}{\text{Loading Rate}}$$

Minimum Required Volume (per TCEQ Regulations)	ft ³	1,250	2,500	5,000
Minimum Required Volume (3.5 days)		4,375	8,750	17,500
Number of Digesters		2	3	6
Width	ft	12	12	12
Height	ft	14	14	14
Freeboard	ft	1.5	1.5	1.5
Depth	ft	12.50	12.50	12.50
Length (Assumes digesters are half as long as Aeration Basins)	ft	25.00	25.00	25.00
Proposed Volume	ft ³	7,500	11,250	22,500

Chlorine Dosage Requirements

Type of Effluent	Activated Sludge			
Chlorine Concentration	8 mg/L			
Storage of Chlorine Tanks	Temperature-Controlled Enclosure			
Low Ambient Temperature	65 °F			
Required Chlorine Dosage	lbs/d	33	67	133
Withdrawal Rate per 150-lb Chlorine Cylinder	65 lbs/d			
Withdrawal Rate per 1-ton Chlorine Cylinder	520 lbs/d			
Number of 150-lb Chlorine Cylinders per Bank		1	2	3
Number of 1-ton Chlorine Cylinders per Bank		0	0	0
Proposed Maximum Chlorine Withdrawal Rate		65	130	195

Air Requirements

Aeration Basins

Type of Diffuser	Coarse Bubble Diffuser			
Transfer Efficiency Factor	0.65			
Depth of Diffuser		11.50	11.50	11.50
Submergence Correction Factor		1.14	1.14	1.14
Clean Water Transfer Efficiency	8.40%			
Wastewater Transfer Efficiency	5.46%			
Aeration Oxygen Requirement	2.13 lb O ₂ /lb BOD ₅			
Aeration Airflowrate	scfm	606	1,211	2,422
Mixing Oxygen Requirement	20 scfm/1,000 ft ³			
Mixing Airflowrate	scfm	300	450	900
Required Airflowrate	scfm	606	1,211	2,422

Aerobic Digester

Type of Diffuser	Coarse Bubble Diffuser			
Required Mixing Air Rate	20 scfm/1,000 ft ³			
Required Airflowrate	scfm	150	225	450

Chlorine Contact Basin

Effluent DO Concentration	4 mg/L			
Initial DO Concentration*	0 mg/L			
Diffuser Capacity	150%			
Required Oxygen at Peak Flow	lb O ₂ /d	16.69	33.38	66.76
Required Airflowrate	scfm	12.31	24.61	49.22
Airflowrate Required by Diffusers		18.46	36.92	73.83
Minimum Airdrops (10 scfm)		2	4	8

* Minimum DO Concentration in the Aeration Basin is 2 mg/L however, to be conservative an estimated DO of 0 mg/L has been assumed entering the chlorine contact basin

Airlifts

Amount Required	120 scfm
-----------------	----------

Total Air Requirement

Total Plant Required Air	scfm	888	1,581	3,041
--------------------------	------	-----	-------	-------

Blower Sizing

Blower Capacity	750 scfm			
Blower Required		2	3	5
Blowers Proposed		3	4	6

Attachment 17
Capacity Calculations

Year 1	1/1/2025	2/1/2025	3/1/2025	4/1/2025	5/1/2025	6/1/2025	7/1/2025	8/1/2025	9/1/2025	10/1/2025	11/1/2025	12/1/2025
Res. Connections	0	0	0	0	0	25	50	75	100	125	150	175
Flow at 350 GPD per conn.	0	0	0	0	0	8,750	17,500	26,250	35,000	43,750	52,500	61,250
Year 2	1/1/2026	2/1/2026	3/1/2026	4/1/2026	5/1/2026	6/1/2026	7/1/2026	8/1/2026	9/1/2026	10/1/2026	11/1/2026	12/1/2026
Res. Connections	200	225	250	275	300	325	350	375	400	425	450	475
Flow at 350 GPD per conn.	70,000	78,750	87,500	96,250	105,000	113,750	122,500	131,250	140,000	148,750	157,500	166,250
Year 3	1/1/2027	2/1/2027	3/1/2027	4/1/2027	5/1/2027	6/1/2027	7/1/2027	8/1/2027	9/1/2027	10/1/2027	11/1/2027	12/1/2027
Res. Connections	500	525	550	575	600	625	650	675	700	725	750	775
Flow at 350 GPD per conn.	175,000	183,750	192,500	201,250	210,000	218,750	227,500	236,250	245,000	253,750	262,500	271,250
Year 4	1/1/2028	2/1/2028	3/1/2028	4/1/2028	5/1/2028	6/1/2028	7/1/2028	8/1/2028	9/1/2028	10/1/2028	11/1/2028	12/1/2028
Res. Connections	800	825	850	875	900	925	950	975	1000	1025	1050	1075
Flow at 350 GPD per conn.	280,000	288,750	297,500	306,250	315,000	323,750	332,500	341,250	350,000	358,750	367,500	376,250
Year 5	1/1/2029	2/1/2029	3/1/2029	4/1/2029	5/1/2029	6/1/2029	7/1/2029	8/1/2029	9/1/2029	10/1/2029	11/1/2029	12/1/2029
Res. Connections	1100	1125	1150	1175	1200	1225	1250	1275	1300	1325	1350	1375
Flow at 350 GPD per conn.	385,000	393,750	402,500	411,250	420,000	428,750	437,500	446,250	455,000	463,750	472,500	481,250

- | | |
|-----|--|
| 1.) | 90% of phase 1 flow, Proposed Phase 2 construction begins |
| 2.) | 90% of phase 2 flow, proposed Phase 3 construction begins |
| 3.) | Full development (1,400 connections) is reached, development stops |

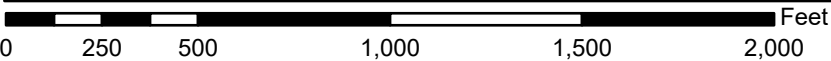
25	ESFC per month
350	gallons per escf
6/1/2025	Date

	Flow	75%	90%
Phase 1:	100000	75000	90000
Phase 2:	200000	150000	180000
Phase 3:	400000	300000	360000

National Flood Hazard Layer FIRMMette



96°40'37"W 33°22'16"N



1:6,000

96°40'W 33°21'46"N

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

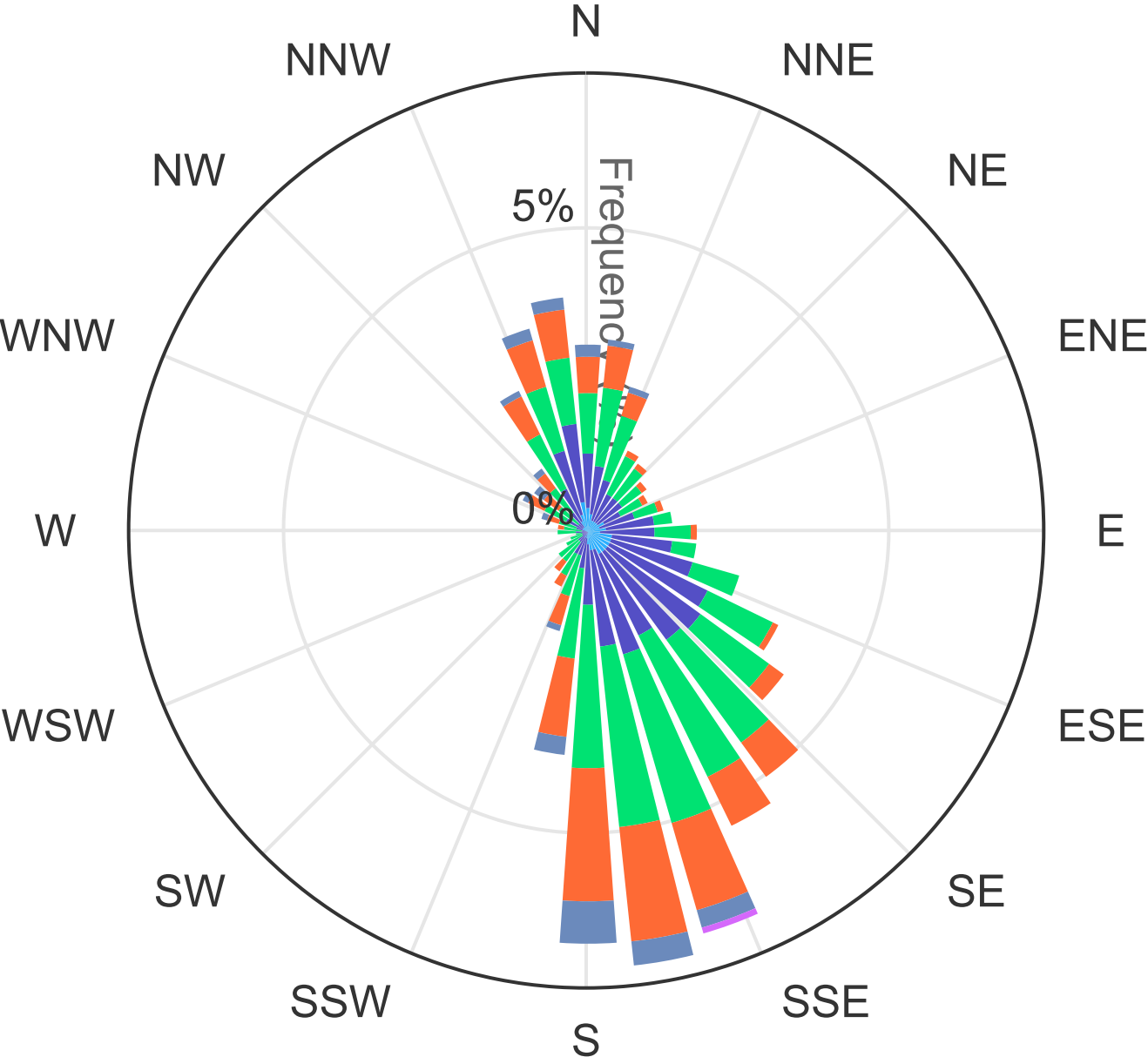
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/18/2024 at 9:41 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

MCKINNEY MUNI AP (TX) Wind Rose

Mar. 1, 2023 - Mar. 13, 2024
Sub-Interval: Jan. 1 - Dec. 31, 0 - 23



Wind Speed (mph)

- 1.3 - 4
- 4 - 8
- 8 - 13
- 13 - 19
- 19 - 25
- 25 - 32
- 32 - 39
- 39 - 47
- 47 -

ATTACHMENT - 20

Sludge Management Plan

Phase 1 - 0.125 MGD

Influent Design Flow	0.125 MGD
Influent BOD ₅ Concentration	325 mg/L
Aerobic Digester Volume	56,104 Gal
Aeration Basin MLSS	2000 mg/L

SOLIDS GENERATED	100% Flow	75% Flow	50% Flow	25% Flow
Pounds (lbs) Influent BOD ₅	339	254	169	85
Pounds (lbs) of digested dry sludge produced*	119	89	59	30
Pounds (lbs) of wet sludge produced	5929	4447	2965	1482
Gallons (Gal) of wet sludge produced	711	533	355	178

*Assuming 0.35 pounds of digested dry sludge produced per pound of influent BOD₅ at average temperature and 2.0% solids concentration in the digester

Sludge will be wasted from the RAS flow stream to the aerobic digester.

Sludge solids will be stabilized in the digester

Supernatant will be decanted from the digester and returned to the plant headworks for treatment.

REMOVAL SCHEDULE (DAYS)	100% Flow	75% Flow	50% Flow	25% Flow
Days between sludge removal	9	13	19	38

Liquid digested sludge will be removed from the digester for disposal on a regular basis as required.

The calculated mean cell residence time (MCRT) for the digester storage volume of 56103.9 gal will be approximately 78 days at 100% capacity and annual average digested sludge produced of 119 ppd.

ATTACHMENT - 20

Sludge Management Plan

Phase 2 - 0.25 MGD

Influent Design Flow	0.25 MGD
Influent BOD ₅ Concentration	325 mg/L
Aerobic Digester Volume	84,156 Gal
Aeration Basin MLSS	2000 mg/L

SOLIDS GENERATED	100% Flow	75% Flow	50% Flow	25% Flow
Pounds (lbs) Influent BOD ₅	678	508	339	169
Pounds (lbs) of digested dry sludge produced*	237	178	119	59
Pounds (lbs) of wet sludge produced	11858	8894	5929	2965
Gallons (Gal) of wet sludge produced	1422	1066	711	355

*Assuming 0.35 pounds of digested dry sludge produced per pound of influent BOD₅ at average temperature and 2.0% solids concentration in the digester

Sludge will be wasted from the RAS flow stream to the aerobic digester.

Sludge solids will be stabilized in the digester

Supernatant will be decanted from the digester and returned to the plant headworks for treatment.

REMOVAL SCHEDULE (DAYS)	100% Flow	75% Flow	50% Flow	25% Flow
Days between sludge removal	7	9	14	28

Liquid digested sludge will be removed from the digester for disposal on a regular basis as required.

The calculated mean cell residence time (MCRT) for the digester storage volume of 84155.85 gal will be approximately 59 days at 100% capacity and annual average digested sludge produced of 237 ppd.

<p align="center">ATTACHMENT - 20</p> <p align="center">Sludge Management Plan</p> <p align="center">Phase 3(Ultimate) - 0.50 MGD</p>
--

Influent Design Flow	0.5 MGD
Influent BOD ₅ Concentration	325 mg/L
Aerobic Digester Volume	168,312 Gal
Aeration Basin MLSS	2000 mg/L

SOLIDS GENERATED	100% Flow	75% Flow	50% Flow	25% Flow
Pounds (lbs) Influent BOD ₅	1355	1016	678	339
Pounds (lbs) of digested dry sludge produced*	474	356	237	119
Pounds (lbs) of wet sludge produced	23717	17788	11858	5929
Gallons (Gal) of wet sludge produced	2844	2133	1422	711

*Assuming 0.35 pounds of digested dry sludge produced per pound of influent BOD₅ at average temperature and 2.0% solids concentration in the digester

Sludge will be wasted from the RAS flow stream to the aerobic digester.

Sludge solids will be stabilized in the digester

Supernatant will be decanted from the digester and returned to the plant headworks for treatment.

REMOVAL SCHEDULE (DAYS)	100% Flow	75% Flow	50% Flow	25% Flow
Days between sludge removal	7	9	14	28

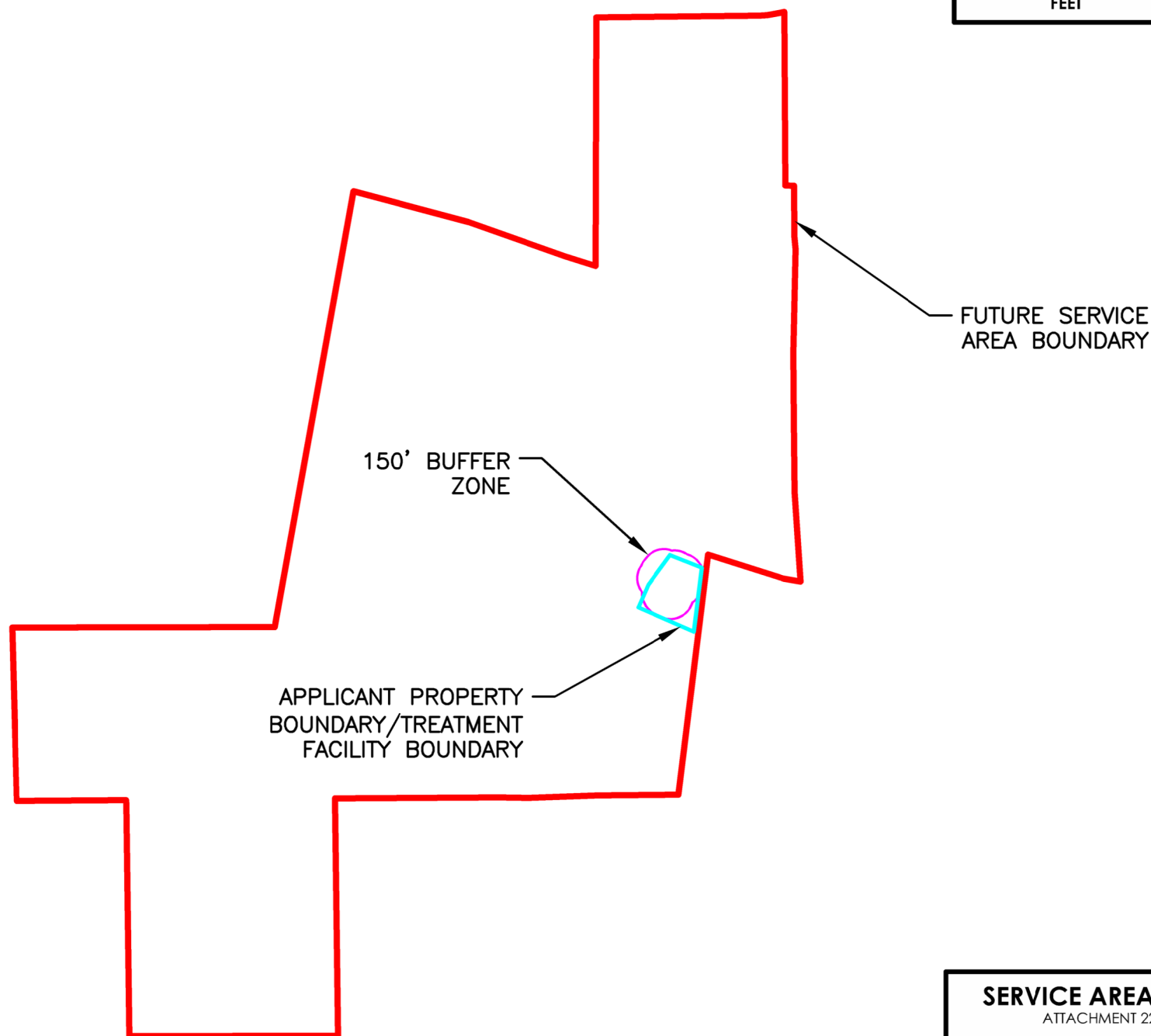
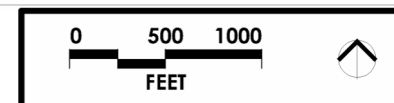
Liquid digested sludge will be removed from the digester for disposal on a regular basis as required.

The calculated mean cell residence time (MCRT) for the digester storage volume of 168311.7 gal will be approximately 59 days at 100% capacity and annual average digested sludge produced of 474 ppd.

ATTACHMENT – 21
Justification for Proposed Facility

The proposed facility will allow GB878 LLC to treat the wastewater from its service area. Construction for the proposed 0.50 MGD capacity facility will serve a total of 1,400 equivalent single-family connections at full buildout.

There is no existing sanitary sewer collection infrastructure for the City of Weston in place in the proposed area of development or in the near vicinity of the service area. Construction of a connection to the City's existing system is anticipated to be more costly than construction of a new wastewater treatment facility.



SERVICE AREA MAP
ATTACHMENT 22
SEVEN SPRINGS WWTP

LJA Engineering, Inc.
6060 North Central Expressway
Suite 400
Dallas, Texas 75206

Phone 469.621.0710
FRN - F-1386



Candice Calhoun

From: Laura Preston <lpreston@lja.com>
Sent: Friday, September 27, 2024 2:36 PM
To: Candice Calhoun
Cc: Sally Easley; Dallas Wendling; 0394 - Seven Springs
Subject: RE: Application to Renew Permit No. WQ0016628001 - Notice of Deficiency
Attachments: Seven Springs WWTP Municipal Discharge New Spanish NORI.docx; Seven Springs WWTP NOD Response.pdf; 0394 Seven Springs Landowner Labels.docx

Follow Up Flag: Follow up
Flag Status: Completed

Candice – please see attached response letter which includes the revised application page and landowners map and list. Also attached are the word docs for the landowner labels and the Spanish NORI.

Please let me know if you need additional information.

Thanks,

Laura Preston, P.E. | Assistant Project Manager

Land Development

O: 214.442.6579 | C: 325.668.2952

6060 N Central Expy, Suite 400, Dallas, TX 75206

EMPLOYEE-OWNED. CLIENT FOCUSED.

From: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Sent: Thursday, September 26, 2024 4:30 PM
To: Laura Preston <lpreston@lja.com>
Cc: Dallas Wendling <dwendling@lja.com>
Subject: Application to Renew Permit No. WQ0016628001 - Notice of Deficiency
Importance: High

[EXTERNAL EMAIL]

Dear Ms. Preston,

The attached Notice of Deficiency (NOD) letter dated **September 26, 2024**, requests additional information needed to declare the application administratively complete. Please send complete response by **October 10, 2024**.

Please let me know if you have any questions.

Regards,

September 27, 2024

Via Email to:
Candice.Calhoun@tceq.texas.gov

Re: Response Letter for Case No. WQ0016628001 (EPA I.D. No. TX0146668)
GB878 LLC (CN605905983)
Seven Springs WWTP (RN111983516)
LJA Job No. NT340-0394

Dear Candice Calhoun:

In response to the TCEQ comments dated September 26, 2024, we have addressed your comments as follows.

1. Administrative Report 1.0

Section 2, item A on page 3 of the application: The authorization type marked is incorrect. Box 3, Conventional Wastewater Treatment, is a mistype on our end and should say "Conventional Water Treatment". Our team is in the process of updating this section of the application. Please clarify the correct authorization type.

Response: A revised Administrative Report 1.0, Section 2, item A, page 3 of application, has been updated to reflect "Privately-Owned Domestic Wastewater" and is included as an attachment to this response letter.

2. Administrative Report 1.1

Affected Landowner Information – The affected landowner map property labeled 1 is owned by the applicant. The applicant cannot be their own affected landowner. Please provide a revised map that labels the full applicant property boundary, including all contiguous properties owned by the applicant, and labels all affected landowners adjacent to the applicant's contiguous property boundary. Please also provide an updated cross reference landowner list and the landowner list formatted for mailing labels (Avery 5160) in a Microsoft Word Document.

Response: An updated Affected Landowner Map, updated Affected Landowner List, and updated Affected Landowner Labels as a word document are included as attachments to this response letter.

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. GB878 LLC, 5501 Headquarters Drive, Suite 300W, Plano, Texas 75024, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016628001 (EPA I.D. No. TX0146668) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 500,000 gallons per day. The domestic wastewater treatment facility will be located approximately 1.0 mile northeast

of the intersection of County Road 134 and County Road 175 in Collin County, Texas., near the city of Weston, in Collin County, Texas 75009. The discharge route will be from the plant site to an unnamed tributary, thence to East Fork Trinity River, thence to Lavon Lake (to be confirmed by RWA). TCEQ received this application on September 18, 2024. The permit application will be available for viewing and copying at Roy & Helen Hall Memorial Library, Help Desk, 101 East Hunt Street, McKinney, in Collin County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application. <https://gisweb.tceq.texas.gov/LocationMapper/?marker=-96.665,33.368055&level=18>

Further information may also be obtained from GB878 LLC at the address stated above or by calling Ms. Laura Preston, P.E., Project Engineer, at 214-442-6579.

Response: The version of the NORI included below is a copy of the above with changes noted in green. Items previously shown in red text have been left in red text.

APPLICATION. GB878 LLC, 5501 Headquarters Drive, Suite 300W, Plano, Texas 75024, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016628001 (EPA I.D. No. TX0146668) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 500,000 gallons per day. The domestic wastewater treatment facility will be located approximately 1.0 mile northeast of the intersection of County Road 134 and County Road 175 in Collin County, Texas., near the city of Weston, in Collin County, Texas 75009. The discharge route will be from the plant site to an unnamed tributary, thence to East Fork Trinity River, thence to Lavon Lake (to be confirmed by RWA). TCEQ received this application on September 18, 2024. The permit application will be available for viewing and copying at Roy & Helen Hall Memorial Library, Help Desk, 101 East Hunt Street, McKinney, in Collin County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application. <https://gisweb.tceq.texas.gov/LocationMapper/?marker=-96.665,33.368055&level=18>

Further information may also be obtained from GB878 LLC at the address stated above or by calling Ms. Laura Preston, P.E., Project Engineer, at 214-442-6579.

We trust this additional information will allow further review and processing for approval. If you have any questions or require additional information, please contact me at 214.442.6579 or lpreston@lja.com.

Sincerely,

A handwritten signature in blue ink, appearing to read 'L. Preston', with a stylized flourish at the end.

Laura Preston, PE
Assistant Project Manager

Enclosures:

Revised Administrative Report, Section 2, Item A, Page 3
Revised Affected Landowner Map
Revised Affected Landowner List
Revised Affected Landowner Labels (word)
Completed Spanish NORI (word)



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 <input type="checkbox"/>	\$315.00 <input type="checkbox"/>
≥0.05 but <0.10 MGD	\$550.00 <input type="checkbox"/>	\$515.00 <input type="checkbox"/>
≥0.10 but <0.25 MGD	\$850.00 <input type="checkbox"/>	\$815.00 <input type="checkbox"/>
≥0.25 but <0.50 MGD	\$1,250.00 <input type="checkbox"/>	\$1,215.00 <input type="checkbox"/>
≥0.50 but <1.0 MGD	\$1,650.00 <input checked="" type="checkbox"/>	\$1,615.00 <input type="checkbox"/>
≥1.0 MGD	\$2,050.00 <input type="checkbox"/>	\$2,015.00 <input type="checkbox"/>

Minor Amendment (for any flow) \$150.00 ☐

Payment Information:

Mailed Check/Money Order Number: N/A

Check/Money Order Amount: N/A

Name Printed on Check: N/A

EPAY Voucher Number: 707452 & 707453

Copy of Payment Voucher enclosed? Yes ☒

Section 2. Type of Application (Instructions Page 26)

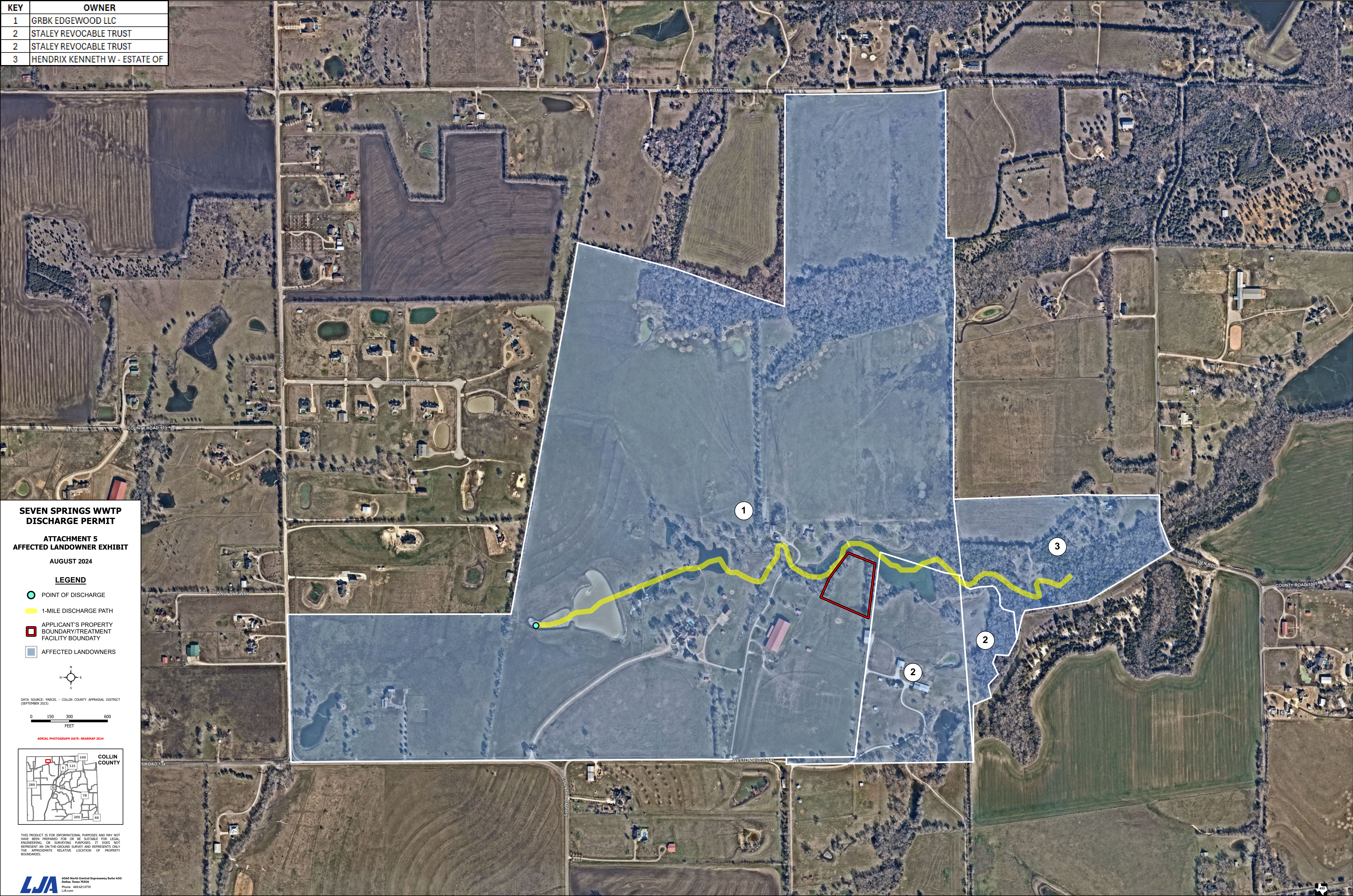
a. Check the box next to the appropriate authorization type.

- ☐ Publicly-Owned Domestic Wastewater
- ☒ Privately-Owned Domestic Wastewater
- ☐ Conventional Wastewater Treatment

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

- ☐ Active ☒ Inactive

KEY	OWNER
1	GRBK EDGEWOOD LLC
2	STALEY REVOCABLE TRUST
2	STALEY REVOCABLE TRUST
3	HENDRIX KENNETH W - ESTATE OF



1. GRBK EDGEWOOD LLC
5501 HEADQUARTERS DR STE 300W
PLANO TX 75024
2. STALEY REVOCABLE TRUST
PO BOX 280
WESTON TX 75097
3. ESTATE OF KENNETH W HENDRIX
PO BOX 103
WESTON TX 75097

SPECIAL WARRANTY DEED

(Wastewater Treatment Plant Site)

NOTICE OF CONFIDENTIALITY RIGHTS: IF YOU ARE A NATURAL PERSON, YOU MAY REMOVE OR STRIKE ANY OR ALL OF THE FOLLOWING INFORMATION FROM ANY INSTRUMENT THAT TRANSFERS AN INTEREST IN REAL PROPERTY BEFORE IT IS FILED FOR RECORD IN THE PUBLIC RECORDS: YOUR SOCIAL SECURITY NUMBER OR YOUR DRIVER'S LICENSE NUMBER.

STATE OF TEXAS §
 §
 COUNTY OF COLLIN §

GRBK EDGEWOOD LLC, a Texas limited liability company ("**Grantor**"), in consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are acknowledged, has GRANTED, BARGAINED, SOLD, and CONVEYED and does GRANT, BARGAIN, SELL, AND CONVEY to **GB878 LLC**, a Texas limited liability company, whose address is 5501 Headquarters Drive, Suite 300W, Plano, Texas 75024 ("**Grantee**"), all of Grantor's right, title and interest in and to the real property in Kaufman County, Texas, fully described in Exhibit "A", and all improvements located on it, together with all of Grantor's right, title, and interest in and to (a) any and all rights, titles, powers, privileges, easements, licenses, rights-of-way, and interests appurtenant to the real property and any improvements on the real property, and (b) any and all rights, titles, powers, privileges, easements, licenses, rights-of-way, and interests of Grantor, either at law or in equity, in possession or in expectancy, in and to any real estate lying in the streets, highways, roads, alleys, rights-of-way, or sidewalks, open or proposed, in front of, above, over, under, through, or adjoining the real property, and in and to any strips or gores of real estate adjoining the real property (collectively, the "**Property**").

This Special Warranty Deed and the conveyance above is executed by Grantor and accepted by Grantee subject to any and all restrictions, easements, mineral reservations, and other matters of record, to the extent they are validly existing and applicable to the Property (collectively, the "**Permitted Exceptions**").

TO HAVE AND TO HOLD the Property, together with all and singular the rights and appurtenances to it in any way belonging, to Grantee, its successors, and its assigns forever, and Grantor binds itself, its successors, and its assigns to WARRANT AND FOREVER DEFEND all Grantor's right, title and interest in and to the title to the Property to Grantee, its successors, and its assigns against any person lawfully claiming or to claim the same or any part of it, by, through, or under Grantor, but not otherwise, subject to the Permitted Exceptions.

This Deed does not cover Grantor's rights and Grantor hereby reserves the right on a non-exclusive basis to utilize the utilities on, under or across the Property.

GRANTOR IS CONVEYING THE PROPERTY TO GRANTEE AS IS, WHERE IS, AND WITH ALL FAULTS, AND SPECIFICALLY AND EXPRESSLY WITHOUT ANY WARRANTIES, REPRESENTATIONS, OR GUARANTEES, EITHER EXPRESS OR IMPLIED, OF ANY

KIND, NATURE, OR TYPE FROM OR ON BEHALF OF GRANTOR, EXCEPT FOR GRANTOR'S SPECIAL WARRANTY OF TITLE STATED ABOVE. GRANTEE ACKNOWLEDGES AND STIPULATES THAT GRANTEE IS NOT RELYING ON ANY REPRESENTATION, STATEMENT, OR OTHER ASSERTION ABOUT THE CONDITION OF THE PROPERTY MADE BY GRANTOR, OR ANYONE ACTING ON GRANTOR'S BEHALF, BUT IS RELYING ON GRANTEE'S OWN EXAMINATION OF THE PROPERTY.

EXECUTED as of 9/4/2024.

GRANTOR:

GRBK EDGEWOOD LLC,
a Texas limited liability company

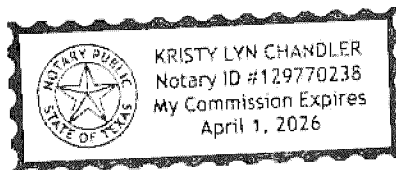
By: [Signature]
Name: Bobby Samuel
Title: Vice President

ACKNOWLEDGMENT

THE STATE OF TEXAS §
 §
COUNTY OF Collin §

This instrument was acknowledged before me on September 4, 2024, by Bobby Samuel, Vice President of GRBK EDGEWOOD LLC, a Texas limited liability company, on behalf of said company.

(NOTARY SEAL)



[Signature]
Notary Public in and for the State of Texas

EXHIBIT A

LEGAL DESCRIPTION 3.319 ACRES

BEING A 3.319 ACRE TRACT OF LAND SITUATED IN THE JAMES R. SAVAGE SURVEY, ABSTRACT NO. 845, COLLIN COUNTY, TEXAS, AND BEING PART OF A 355.651 ACRE TRACT OF LAND, CONVEYED AS "TRACT 1", TO GRBK EDGEWOOD LLC, AS RECORDED IN COUNTY CLERK'S FILE NO. 2024000029991, OFFICIAL PUBLIC RECORDS, COLLIN COUNTY, TEXAS. SAID 3.319 ACRE TRACT, WITH BEARING BASIS BEING GRID NORTH, TEXAS STATE PLANE COORDINATES, NORTH CENTRAL ZONE NAD83, DETERMINED BY GPS OBSERVATIONS UTILIZING THE ALLTERRA RTKNET AND BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

COMMENCING AT A POINT FOR THE SOUTHEAST CORNER OF SAID 355.651 ACRE TRACT AND A COMMON INTERIOR ELL CORNER OF A 73.33 ACRE TRACT OF LAND CONVEYED TO WILLIAM PRESTON STALEY, III, AS RECORDED IN COUNTY CLERK'S FILE NO. 2003-0138532 AND IN VOLUME 5463, PAGE 3530, OFFICIAL PUBLIC RECORDS, COLLIN COUNTY, TEXAS, FROM WHICH A 1/2" IRON ROD FOUND BEARS SOUTH 82 DEGREES 10 MINUTES 23 SECONDS WEST, A DISTANCE OF 0.44' AND A 1/2" IRON ROD FOUND FOR AN INTERIOR ELL CORNER OF SAID 355.651 ACRE TRACT BEARS SOUTH 89 DEGREES 26 MINUTES 40 SECONDS WEST, A DISTANCE OF 965.79 FEET;

THENCE, NORTH 05 DEGREES 12 MINUTES 42 SECONDS EAST, OVER AND ACROSS SAID 355.651 ACRE TRACT, A DISTANCE OF 1066.82 FEET TO A 5/8" IRON ROD WITH YELLOW PLASTIC CAP STAMPED "LJA SURVEYING" SET FOR **THE POINT OF BEGINNING**;

THENCE, CONTINUING OVER AND ACROSS SAID 355.651 ACRE TRACT, THE FOLLOWING COURSES AND DISTANCES:

NORTH 64 DEGREES 01 MINUTE 43 SECONDS WEST, A DISTANCE OF 466.92 FEET TO A 5/8" IRON ROD WITH YELLOW PLASTIC CAP STAMPED "LJA SURVEYING" SET FOR CORNER, FROM WHICH A 1/2" IRON ROD FOUND FOR AN INTERIOR ELL CORNER OF SAID 355.651 ACRE TRACT AND THE COMMON SOUTHEAST CORNER OF A 30.27 ACRE TRACT OF LAND CONVEYED TO DARRELL ASHMANSKAS AND MIN LOU, AS RECORDED IN COUNTY CLERK'S FILE NO. 20210609001162740, OFFICIAL PUBLIC RECORDS BEARS SOUTH 87 DEGREES 01 MINUTE 46 SECONDS WEST, A DISTANCE OF 2349.76 FEET;

NORTH 42 DEGREES 33 MINUTES 14 SECONDS EAST, A DISTANCE OF 460.32 FEET TO A 5/8" IRON ROD WITH YELLOW PLASTIC CAP STAMPED "LJA SURVEYING" SET FOR CORNER;

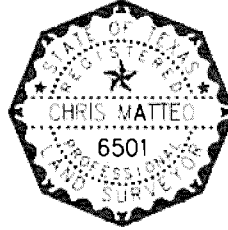
SOUTH 68 DEGREES 49 MINUTES 27 SECONDS EAST, A DISTANCE OF
177.86 FEET TO A 5/8" IRON ROD WITH YELLOW PLASTIC CAP STAMPED
"LJA SURVEYING" SET FOR CORNER;

SOUTH 06 DEGREES 49 MINUTES 39 SECONDS WEST, A DISTANCE OF
482.74 FEET TO THE POINT OF BEGINNING AND CONTAINING A
CALCULATED AREA OF 144,587 SQUARE FEET OR 3.319 ACRES OF LAND.

A PARCEL PLAT OF EQUAL DATE HERewith ACCOMPANIES THIS PROPERTY
DESCRIPTION.



Chris Matteo, R.P.L.S.
Registered Professional Land Surveyor
Texas Registration No. 6501
LJA Surveying, Inc.
6060 North Central Expressway, Suite 400
Dallas, Texas 75206
469-484-0778



08/26/2024

T.B.P.E.L.S. Firm No. 10194382

After recording, return to:
GB878 LLC
Attn: Hilary Liston
5501 Headquarters Drive, Suite 300W
Plano, Texas 75024

**Collin County
Honorable Stacey Kemp
Collin County Clerk**

Instrument Number: 2024000109439

eRecording - Real Property

DEED

Recorded On: September 04, 2024 04:02 PM

Number of Pages: 5

" Examined and Charged as Follows: "

Total Recording: \$37.00

***** THIS PAGE IS PART OF THE INSTRUMENT *****

Any provision herein which restricts the Sale, Rental or use of the described REAL PROPERTY
because of color or race is invalid and unenforceable under federal law.

File Information:

Document Number: 2024000109439
Receipt Number: 20240904000765
Recorded Date/Time: September 04, 2024 04:02 PM
User: Kim D
Station: Workstation cck024

Record and Return To:

Simplifile



**STATE OF TEXAS
COUNTY OF COLLIN**

**I hereby certify that this Instrument was FILED In the File Number sequence on the date/time
printed hereon, and was duly RECORDED in the Official Public Records of Collin County, Texas.**

Honorable Stacey Kemp
Collin County Clerk
Collin County, TX

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: Ms.

Last Name, First Name: Preston, Laura

Title: Project Engineer

Credential: P.E.

Organization Name: LJA Engineering, Inc.

Mailing Address: 6060 N Central Expy, Ste 400

City, State, Zip Code: Dallas, Texas 75206

Phone No.: 214-442-6579

E-mail Address: lpreston@lja.com

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: John & Judy Gay Library

Location within the building: Help Desk

Physical Address of Building: 6861 Eldorado Pkwy

City: McKinney

County: Collin

Contact (Last Name, First Name): Library Staff

Phone No.: 972-547-7323 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

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: Ms.

Last Name, First Name: Preston, Laura

Title: Project Engineer

Credential: P.E.

Organization Name: LJA Engineering, Inc.

Mailing Address: 6060 N Central Expy, Ste 400

City, State, Zip Code: Dallas, Texas 75206

Phone No.: 214-442-6579

E-mail Address: lpreston@lja.com

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Public building name: John & Judy Gay Library

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City: McKinney

County: Collin

Contact (Last Name, First Name): Library Staff

Phone No.: 972-547-7323 Ext.: N/A

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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

GB878 LLC OPTION #1 CAPITAL COST					
Option #1 consists of a new WWTP on the GB878 LLC site					
ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
WWTP PLANT ITEMS - 0.125 MGD (ORIGINAL)					
1	SITE WORK	LS	1	\$ 750,000.00	\$ 750,000.00
2	ELECTRICAL IMPROVEMENTS	LS	1	\$ 900,000.00	\$ 900,000.00
3	PACKAGE WASTEWATER TREATMENT PLANT EQUIPMENT	LS	1	\$ 2,500,000.00	\$ 2,500,000.00
4	YARD PIPING	LS	1	\$ 450,000.00	\$ 450,000.00
SUB TOTAL:					\$ 4,600,000.00
WWTP PLANT ITEMS UPGRADE FROM 0.125 TO 0.25 MGD					
1	ELECTRICAL IMPROVEMENTS	LS	1	\$ 400,000.00	\$ 400,000.00
2	PACKAGE WASTEWATER TREATMENT PLANT EQUIPMENT	LS	1	\$ 1,650,000.00	\$ 1,650,000.00
3	YARD PIPING	LS	1	\$ 300,000.00	\$ 300,000.00
SUB TOTAL:					\$ 2,350,000.00
WWTP PLANT ITEMS UPGRADE FROM 0.25 TO 0.50 MGD					
1	SITE WORK	LS	1	\$ 250,000.00	\$ 250,000.00
2	ELECTRICAL IMPROVEMENTS	LS	1	\$ 750,000.00	\$ 750,000.00
3	PACKAGE WASTEWATER TREATMENT PLANT EQUIPMENT	LS	1	\$ 4,000,000.00	\$ 4,000,000.00
4	YARD PIPING	LS	1	\$ 650,000.00	\$ 650,000.00
SUB TOTAL:					\$ 5,650,000.00
CONTINGENCY (20%):					\$ 2,520,000.00
OPTION #1 TOTAL AMOUNT:					\$ 15,120,000.00

Note: WWTP flows are calculated using average daily flow and phasing is in accordance with the current permit application

GB878 LLC OPTION #2 CAPITAL COST					
Option #2 consists of construction of a lift station on the GB878 LLC site, a force main between the lift station and the existing City of Weston WWTP, and upgrades to the existing City of Weston WWTP to provide capacity for GB878 LLC.					
ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
LIFT STATION ITEMS					
1	SITE WORK	LS	1	\$ 500,000.00	\$ 500,000.00
2	SANITARY LIFT STATION	LS	1	\$ 1,100,000.00	\$ 1,100,000.00
3	ELECTRICAL IMPROVEMENTS	LS	1	\$ 400,000.00	\$ 400,000.00
4	METERING STATION	LS	1	\$ 250,000.00	\$ 250,000.00
SUB TOTAL:					\$ 2,250,000.00
SANITARY SEWER MAIN ITEMS					
1	6" FORCE MAIN	LF	10,600	\$ 97.00	\$ 1,028,200.00
2	12" GRAVITY MAIN	LF	12,600	\$ 110.00	\$ 1,386,000.00
3	4' SANITARY SEWER MANHOLE	EA	47	\$ 3,000.00	\$ 141,000.00
4	30' EASEMENT ACQUISITION	AC	16	\$ 40,000.00	\$ 640,000.00
5	CREEK CROSSING	EA	3	\$ 100,000.00	\$ 300,000.00
SUB TOTAL:					\$ 3,495,200.00
CITY OF WESTON WWTP UPGRADES					
1	SITE WORK	LS	1	\$ 500,000.00	\$ 500,000.00
2	ELECTRICAL IMPROVEMENTS	LS	1	\$ 1,750,000.00	\$ 1,750,000.00
3	WASTEWATER TREATMENT PLANT EQUIPMENT	LS	1	\$ 7,500,000.00	\$ 7,500,000.00
4	INFLUENT LIFT STATION UPGRADES	LS	1	\$ 1,000,000.00	\$ 1,000,000.00
5	YARD PIPING	LS	1	\$ 1,000,000.00	\$ 1,000,000.00
SUB TOTAL:					\$ 11,750,000.00
CONTINGENCY (20%):					\$ 3,499,040.00
OPTION #2 TOTAL AMOUNT:					\$ 20,994,240.00

Notes:

1. Current City of Weston permitted capacity of 2.5 MGD may need to be amended to accommodate the flow from the GB878 LLC tract.
2. WWTP flows are calculated using average daily flow and lift station flows are calculated using peak flow.
3. This estimate does not include prices for City of Weston treatment rates or costs.
4. The exact scope of necessary improvements at the City of Weston's WWTP is unknown. This estimate assumes that lift station upgrades and additional treatment units are required to serve the GB878 LLC tract, but the existing equipment is in good operating condition and no upgrades are required

0 1500 3000
FEET



10,600 LF 6"
FORCEMAIN

APPLICANT PROPERTY
BOUNDARY/TREATMENT
FACILITY BOUNDARY

LIFT STATION AND
METERING STATION

12,600 LF 8"
GRAVITY MAIN

CITY OF
WESTON WWTP

NOTE:
ALIGNMENT IS PRELIMINARY
AND SOLELY FOR COST
ESTIMATING PURPOSES

COST ANALYSIS EXHIBIT

WQ0016628001

SEVEN SPRINGS TO CITY OF
WESTON WWTP

LJA Engineering, Inc.

6060 North Central Expressway
Suite 400
Dallas, Texas 75206



Phone 469.621.0710

FRN - F-1386

Address Buffer Analysis

Search for an address or locate on map

75009, Celina, Texas

Show results within 3 Miles



Check search source layer's visibility in the Layer List widget to view the result

John Hearn

From: Laura Preston <lpreston@lja.com>
Sent: Thursday, June 12, 2025 9:35 AM
To: John Hearn; Sally Easley
Cc: Dallas Wendling; 0394 - Seven Springs
Subject: RE: WQ0016628001 GB878 LLC
Attachments: WQ0016628001 NAPD Spanish.docx

This is approved. Revised Spanish is attached.

LAURA PRESTON, P.E. | Project Manager

Public Infrastructure

O: 214.442.6579 | C: 325.668.2952

6060 N Central Expy, Suite 400, Dallas, Texas 75206

EMPLOYEE-OWNED. CLIENT FOCUSED.

www.lja.com

From: John Hearn <John.Hearn@tceq.texas.gov>
Sent: Wednesday, June 11, 2025 11:15 AM
To: Sally Easley <seasley@lja.com>; Laura Preston <lpreston@lja.com>
Cc: Dallas Wendling <dwendling@lja.com>; 0394 - Seven Springs <NTX0394@lja.com>
Subject: RE: WQ0016628001 GB878 LLC

[EXTERNAL EMAIL]

Hello,

Please see the revised combined notice. I will need an approval of the draft notice, and a revised Spanish translation before I can file this one with the OCC.

Please let me know ASAP if you have any questions or comments on the draft.

Thanks,
John

From: Sally Easley <seasley@lja.com>
Sent: Monday, June 2, 2025 4:53 PM
To: Laura Preston <lpreston@lja.com>; John Hearn <John.Hearn@tceq.texas.gov>
Cc: Dallas Wendling <dwendling@lja.com>; 0394 - Seven Springs <NTX0394@lja.com>
Subject: RE: WQ0016628001 GB878 LLC

My apologies, attached to this email you will find an update Page 6 for permit application WQ0016628001.

Thank you for your patience,

Sally Easley

Graduate Engineer

LJA Engineering | We seek solutions.

● [2150 S Central Expressway, Suite 300, McKinney, Texas 75070](#)

P: 214.620.2778 |

[LJA.com](#)

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From: Laura Preston <lpreston@lja.com>

Sent: Monday, June 2, 2025 4:06 PM

To: John Hearn <John.Hearn@tceq.texas.gov>

Cc: Sally Easley <seasley@lja.com>; Dallas Wendling <dwendling@lja.com>; 0394 - Seven Springs <NTX0394@lja.com>

Subject: RE: WQ0016628001 GB878 LLC

John,

Understood, we'll get you these pages in the next day or so.

Thanks,

LAURA PRESTON, P.E. | Project Manager

Public Infrastructure

O: 214.442.6579 | C: 325.668.2952

6060 N Central Expy, Suite 400, Dallas, Texas 75206

EMPLOYEE-OWNED. CLIENT FOCUSED.

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From: John Hearn <John.Hearn@tceq.texas.gov>

Sent: Monday, June 2, 2025 3:36 PM

To: Laura Preston <lpreston@lja.com>

Cc: Sally Easley <seasley@lja.com>; Dallas Wendling <dwendling@lja.com>; 0394 - Seven Springs <NTX0394@lja.com>

Subject: RE: WQ0016628001 GB878 LLC

[EXTERNAL EMAIL]

Hello Laura,

New admin pages detailing the updated public viewing location will be required to make this change. I believe it is **Page 6 of the Administrative Report 1.0**.

I will draft the updated NAPD, and mail back out to y'all for review and acceptance when I receive these pages.

Thanks,

John

From: Laura Preston <lpreston@lja.com>

Sent: Monday, June 2, 2025 7:29 AM

To: John Hearn <John.Hearn@tceq.texas.gov>

Cc: Sally Easley <seasley@lja.com>; Dallas Wendling <dwendling@lja.com>; Shemica Wilford <Shemica.Wilford@tceq.texas.gov>; 0394 - Seven Springs <NTX0394@lja.com>

Subject: RE: WQ0016628001 GB878 LLC

John – We have one comment on the NAPD due to a library closure where the original notice was published. We've identified a new library to post our public viewing docs. Sally also called and left a voicemail about this. Please let us know if we'll need to do anything special due to this change.

The draft is approved, and the Spanish translation is attached.

Thanks,

LAURA PRESTON, P.E. | Project Manager

Public Infrastructure

O: 214.442.6579 | C: 325.668.2952

6060 N Central Expy, Suite 400, Dallas, Texas 75206

EMPLOYEE-OWNED. CLIENT FOCUSED.

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From: Shemica Wilford <Shemica.Wilford@tceq.texas.gov>

Sent: Thursday, May 29, 2025 12:35 PM

To: Laura Preston <lpreston@lja.com>; Dallas Wendling <dwendling@lja.com>

Cc: John Hearn <John.Hearn@tceq.texas.gov>

Subject: WQ0016628001 GB878 LLC

[EXTERNAL EMAIL]

To whom it may concern,

Attached for your review, is the letter, DRAFT permit, NAPD, and statement of basis/technical summary, for Permit WQ0016628001 GB878 LLC.

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

Please note, a translated copy of the NAPD in the alternative language must be submitted with your comments on the draft permit. If a translated NAPD is not received, the draft permit cannot be filed with the Office of the Chief Clerk. For notice templates in Spanish, please

visit: https://www.tceq.texas.gov/permitting/wastewater/review/napd/wqspanish_napd.html

Please submit any **comments and/or approval** no later than, **Thursday, June 5, 2025**. If the comments and/ or approval are not received by the given deadline, it may cause significant delays in the permit process. Please contact John Hearn with your comments and/ or approval to: John.Hearn@tceq.texas.gov .

Thank you,

Shemica Wilford
Customer Information Assistance (CIA)

Water Quality Division
Texas Commission on Environmental Quality (TCEQ)
Shemica.Wiflord@tceq.texas.gov

[EXTERNAL EMAIL] Exercise caution. Do not open attachments or click links from unknown senders or unexpected email

[EXTERNAL EMAIL] Exercise caution. Do not open attachments or click links from unknown senders or unexpected email

[EXTERNAL EMAIL] Exercise caution. Do not open attachments or click links from unknown senders or unexpected email

John Hearn

From: Todd Galiga
Sent: Thursday, June 5, 2025 11:15 AM
To: John Hearn
Subject: RE: WQ0016628001 GB878 LLC

Follow Up Flag: Follow up
Flag Status: Flagged

John,

The notice is approved.

Thanks

From: John Hearn <John.Hearn@tceq.texas.gov>
Sent: Wednesday, June 4, 2025 4:41 PM
To: Todd Galiga <Todd.Galiga@tceq.texas.gov>
Subject: FW: WQ0016628001 GB878 LLC

Hello Todd,

The applicant for this one wants to change the public viewing location. Attached for your review and approval is the combined notice with the updated public viewing location.

Thanks,
John

From: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Sent: Wednesday, June 4, 2025 3:33 PM
To: John Hearn <John.Hearn@tceq.texas.gov>
Subject: RE: WQ0016628001 GB878 LLC

John,

Everything looks good for this public viewing location. You are good to move forward with this. 😊

I updated my application-updates document to include the updated section as well as this email thread. I also updated my verifications sheet to include the verification for this public viewing location.

Let me know if you need anything else.

Regards,



Candice Courville

License & Permit Specialist
ARP Team | Water Quality Division
Texas Commission on Environmental
Quality
512-239-4312
candice.calhoun@tceq.texas.gov

How is our customer service? Fill out our online customer satisfaction survey at
www.tceq.texas.gov/customersurvey

From: John Hearn <John.Hearn@tceq.texas.gov>
Sent: Wednesday, June 4, 2025 3:23 PM
To: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Subject: FW: WQ0016628001 GB878 LLC

Hello Candice,

I saw you were the admin reviewer for this one. The applicant wants to change their public viewing location. Updated page attached. Am I ok to move forward with this updated location? I will probably have to draft a combined notice for this, but I just wanted to verify with you first that this location would work.

Thanks,
John

From: Sally Easley <seasley@lja.com>
Sent: Monday, June 2, 2025 4:53 PM
To: Laura Preston <lpreston@lja.com>; John Hearn <John.Hearn@tceq.texas.gov>
Cc: Dallas Wendling <dwendling@lja.com>; 0394 - Seven Springs <NTX0394@lja.com>
Subject: RE: WQ0016628001 GB878 LLC

My apologies, attached to this email you will find an update Page 6 for permit application WQ0016628001.

Thank you for your patience,

Sally Easley
Graduate Engineer

LJA Engineering | We seek solutions.
● [2150 S Central Expressway, Suite 300, McKinney, Texas 75070](https://www.lja.com)
P: 214.620.2778 |
LJA.com
[Facebook](#) • [Twitter](#) • [LinkedIn](#)

[#4 Top Workplaces USA 2022](#)



From: Laura Preston <lpreston@lja.com>
Sent: Monday, June 2, 2025 4:06 PM
To: John Hearn <John.Hearn@tceq.texas.gov>
Cc: Sally Easley <seasley@lja.com>; Dallas Wendling <dwendling@lja.com>; 0394 - Seven Springs <NTX0394@lja.com>
Subject: RE: WQ0016628001 GB878 LLC

John,
Understood, we'll get you these pages in the next day or so.

Thanks,

LAURA PRESTON, P.E. | Project Manager

Public Infrastructure

O: 214.442.6579 | C: 325.668.2952

6060 N Central Expy, Suite 400, Dallas, Texas 75206

EMPLOYEE-OWNED. CLIENT FOCUSED.

www.lja.com

From: John Hearn <John.Hearn@tceq.texas.gov>
Sent: Monday, June 2, 2025 3:36 PM
To: Laura Preston <lpreston@lja.com>
Cc: Sally Easley <seasley@lja.com>; Dallas Wendling <dwendling@lja.com>; 0394 - Seven Springs <NTX0394@lja.com>
Subject: RE: WQ0016628001 GB878 LLC

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Hello Laura,

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I will draft the updated NAPD, and mail back out to y'all for review and acceptance when I receive these pages.

Thanks,

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Cc: Sally Easley <seasley@lja.com>; Dallas Wendling <dwendling@lja.com>; Shemica Wilford <Shemica.Wilford@tceq.texas.gov>; 0394 - Seven Springs <NTX0394@lja.com>
Subject: RE: WQ0016628001 GB878 LLC

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Thanks,

LAURA PRESTON, P.E. | Project Manager

Public Infrastructure

O: 214.442.6579 | C: 325.668.2952

6060 N Central Expy, Suite 400, Dallas, Texas 75206

EMPLOYEE-OWNED. CLIENT FOCUSED.

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From: Shemica Wilford <Shemica.Wilford@tceq.texas.gov>

Sent: Thursday, May 29, 2025 12:35 PM

To: Laura Preston <lpreston@lja.com>; Dallas Wendling <dwendling@lja.com>

Cc: John Hearn <John.Hearn@tceq.texas.gov>

Subject: WQ0016628001 GB878 LLC

[EXTERNAL EMAIL]

To whom it may concern,

Attached for your review, is the letter, DRAFT permit, NAPD, and statement of basis/technical summary, for Permit WQ0016628001 GB878 LLC.

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

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visit: https://www.tceq.texas.gov/permitting/wastewater/review/napd/wqspanish_napd.html

Please submit any **comments and/or approval** no later than, **Thursday, June 5, 2025**. If the comments and/ or approval are not received by the given deadline, it may cause significant delays in the permit process. Please contact John Hearn with your comments and/ or approval to: John.Hearn@tceq.texas.gov .

Thank you,

Shemica Wilford
Customer Information Assistance (CIA)
Water Quality Division
Texas Commission on Environmental Quality (TCEQ)
Shemica.Wilford@tceq.texas.gov

[EXTERNAL EMAIL] Exercise caution. Do not open attachments or click links from unknown senders or unexpected email

[EXTERNAL EMAIL] Exercise caution. Do not open attachments or click links from unknown senders or unexpected email

John Hearn

From: Laura Preston <lpreston@lja.com>
Sent: Wednesday, May 21, 2025 3:53 PM
To: John Hearn
Cc: Dallas Wendling; Sally Easley; 0394 - Seven Springs
Subject: RE: WQ0016628001_NOD

Follow Up Flag: Follow up
Flag Status: Flagged

Afternoon John,
I've tried to call back a few times and missed you.

The exact buffer zone location might change due to minor adjustments in exact basin locations during design. For this reason we prefer to dedicate the buffer zone easement during design instead of during the permitting process. The restrictive easement for the buffer zone will be provided for any areas outside of the existing WWTP boundary, but within 150' feet of the WWTP units. I do not believe that an amendment will be required for this, but the information will be provided along with the summary transmittal letter prior to construction of the first phase of the plant.

Please reach out to discuss as needed.

Thanks,

LAURA PRESTON, P.E. | Project Manager

Public Infrastructure

O: 214.442.6579 | C: 325.668.2952

6060 N Central Expy, Suite 400, Dallas, Texas 75206

EMPLOYEE-OWNED. CLIENT FOCUSED.

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From: John Hearn <John.Hearn@tceq.texas.gov>
Sent: Wednesday, May 14, 2025 2:22 PM
To: Laura Preston <lpreston@lja.com>
Cc: Dallas Wendling <dwendling@lja.com>; Sally Easley <seasley@lja.com>; 0394 - Seven Springs <NTX0394@lja.com>
Subject: RE: WQ0016628001_NOD

[EXTERNAL EMAIL]

Hello Laura,

I just gave you a call, but it went to voice mail. I wanted a little bit more clarification about the buffer zone easement you submitted. You mention that the buffer zone may change later on in development of the WWTF which is fine (this would mean that you would have to come in for an amendment).

At this time, does the easement cover all of the buffer zone in the full build out (final phase) ? If not, which phase does the easement fulfill the buffer zone requirements to ? I need to know this so that I can put the correct language into the draft permit.

Thanks,

John

From: Laura Preston <lpreston@lja.com>
Sent: Monday, May 12, 2025 11:25 AM
To: John Hearn <John.Hearn@tceq.texas.gov>
Cc: Dallas Wendling <dwendling@lja.com>; Sally Easley <seasley@lja.com>; 0394 - Seven Springs <NTX0394@lja.com>
Subject: RE: WQ0016628001_NOD

Please see attached.

Thanks,

LAURA PRESTON, P.E. | Project Manager

Public Infrastructure

O: 214.442.6579 | C: 325.668.2952

6060 N Central Expy, Suite 400, Dallas, Texas 75206

EMPLOYEE-OWNED. CLIENT FOCUSED.

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From: John Hearn <John.Hearn@tceq.texas.gov>
Sent: Monday, May 12, 2025 10:43 AM
To: Laura Preston <lpreston@lja.com>
Cc: Dallas Wendling <dwendling@lja.com>; Sally Easley <seasley@lja.com>; 0394 - Seven Springs <NTX0394@lja.com>
Subject: RE: WQ0016628001_NOD

[EXTERNAL EMAIL]

Thank you for the responses, I do not see any attachment for the easement on either email you sent. Is it in the application? I do not see it there either.

Thanks,

John

From: Laura Preston <lpreston@lja.com>
Sent: Thursday, May 8, 2025 8:14 AM
To: John Hearn <John.Hearn@tceq.texas.gov>
Cc: Dallas Wendling <dwendling@lja.com>; Sally Easley <seasley@lja.com>; 0394 - Seven Springs <NTX0394@lja.com>
Subject: RE: WQ0016628001_NOD

John – please see attached for a cost estimate comparing construction of the proposed on-site WWTP with sending flow to the existing Weston facility.

The Weston facility has limited treatment capacity due to its small size, so significant expansion efforts are anticipated to be required to provide service.

Please reach out if you have additional questions.

Thanks,

LAURA PRESTON, P.E. | Project Manager

Public Infrastructure

O: 214.442.6579 | C: 325.668.2952

6060 N Central Expy, Suite 400, Dallas, Texas 75206

EMPLOYEE-OWNED. CLIENT FOCUSED.

From: Laura Preston
Sent: Tuesday, May 6, 2025 5:53 PM
To: John Hearn <John.Hearn@tceq.texas.gov>
Cc: Dallas Wendling <dwendling@lja.com>; Sally Easley <seasley@lja.com>; 0394 - Seven Springs <NTX0394@lja.com>
Subject: RE: WQ0016628001_NOD

John – see below responses to 1-3. We’re pulling together a clean version of the detailed information for 4.

Let me know if you have more questions.

Thanks,

LAURA PRESTON, P.E. | Project Manager

Public Infrastructure

O: 214.442.6579 | C: 325.668.2952

6060 N Central Expy, Suite 400, Dallas, Texas 75206

EMPLOYEE-OWNED. CLIENT FOCUSED.

www.lja.com

From: John Hearn <John.Hearn@tceq.texas.gov>
Sent: Monday, May 5, 2025 2:01 PM
To: Laura Preston <lpreston@lja.com>
Cc: Dallas Wendling <dwendling@lja.com>
Subject: WQ0016628001_NOD

[EXTERNAL EMAIL]

To whom it may concern,

Thank you for the new permit application received on September 18, 2024. The following information is required to consider the permit application technically complete. Please submit the below items via email **ASAP, but no later than Monday, May 12, 2025**, so that the review of the permit application can proceed in a timely manner.

1. **Domestic Wastewater Technical Report 1.1, Section 1A., Justification of Permit Need.** At the requested flow of 500,000 gpd with a full buildout of 1,400 LUEs, that gives 357 gpd/LUE. I was wondering why such a high need is being given per LUE? Are you basing this off of previous developments? Usually the TCEQ likes to see between 250 to 350 gpd/LUE.

The requested flow rate of 500,000 gpd at 350 gpd/LUE allows for a maximum 1,428 LUEs which is only 28 LUEs more than the number stated in the *Domestic Wastewater Technical Report 1.1, Section 1A., Justification of Permit Need*. The requested rate allows for flexibility in development, ensuring that small changes in lot count will not require additional permit capacity.

2. **Buffer Zone Restrictive Easement.** According to the application, the permittee will meet a portion of the buffer zone requirements through a restrictive easement. Has this been procured yet? If it has please send me evidence of the restrictive easement. Also please provide me an updated buffer zone map showing which portions of the buffer zone is being met through restrictive easement.

Please see the attached executed easement for the plant site. Buffer zone areas may fall outside of the boundaries of this easement following design and construction. If needed, an additional restrictive easement

will be dedicated at a later date to prevent construction of residential structures within the buffer zone and ensure that the entire buffer zone is protected based on the exact plant layout.

3. **Domestic Wastewater Technical Report 1.1, Section 1B., Regionalization, Nearby WWTPS or collection systems.** I did not find a regionalization letter for WQ0016456001 (South Central Water Company) in the application. Since this facility is within 3 mi of the proposed facility I will need a copy of the regionalization letter sent to them.

At the time this permit application for WQ0016628001 was prepared and submitted, WQ0016456001, South Central Water Company was neither permitted nor included on the TCEQ Wastewater Outfalls Viewer. Further, since the plant has only recently received a permit, the facility is not yet constructed and cannot currently provide service.

4. **Domestic Wastewater Technical Report 1.1, Section 1B., Regionalization, Utility CCN areas.** According to the Water and Sewer CCN Viewer, a portion of the proposed service area lies within the City of Weston CCN. I see that yall sent the regionalization letter to City of Westin on May 29, 2024. Has a response from the city been received? If so, please forward me the correspondences concerning this matter. The cost analysis of expenditures included on Attachment 21 is also not sufficient, I will need more detail regarding expected cost of connection to City of Weston vs. cost of the proposed WWTF development and operation.

The City of Weston did not provide a response to our letter. We will work on preparing a cost analysis and get that over to you shortly.

Please let me know if you have any questions!

Thanks,

John

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[EXTERNAL EMAIL] Exercise caution. Do not open attachments or click links from unknown senders or unexpected email

[EXTERNAL EMAIL] Exercise caution. Do not open attachments or click links from unknown senders or unexpected email

Candice Calhoun

From: John Hearn
Sent: Wednesday, June 4, 2025 3:23 PM
To: Candice Calhoun
Subject: FW: WQ0016628001 GB878 LLC
Attachments: WQ0016628001 - 10053 P6 Library Update.pdf

Hello Candice,

I saw you were the admin reviewer for this one. The applicant wants to change their public viewing location. Updated page attached. Am I ok to move forward with this updated location? I will probably have to draft a combined notice for this, but I just wanted to verify with you first that this location would work.

Thanks,
John

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Sent: Monday, June 2, 2025 4:53 PM
To: Laura Preston <lpreston@lja.com>; John Hearn <John.Hearn@tceq.texas.gov>
Cc: Dallas Wendling <dwendling@lja.com>; 0394 - Seven Springs <NTX0394@lja.com>
Subject: RE: WQ0016628001 GB878 LLC

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Thank you for your patience,

Sally Easley
Graduate Engineer

LJA Engineering | We seek solutions.
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P: 214.620.2778 |
[LJA.com](#)
[Facebook](#) • [Twitter](#) • [LinkedIn](#)

[#4 Top Workplaces USA 2022](#)



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Cc: Sally Easley <seasley@lja.com>; Dallas Wendling <dwendling@lja.com>; 0394 - Seven Springs <NTX0394@lja.com>
Subject: RE: WQ0016628001 GB878 LLC

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Thanks,

LAURA PRESTON, P.E. | Project Manager

Public Infrastructure

O: 214.442.6579 | C: 325.668.2952

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EMPLOYEE-OWNED. CLIENT FOCUSED.

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To: Laura Preston <lpreston@lja.com>

Cc: Sally Easley <seasley@lja.com>; Dallas Wendling <dwendling@lja.com>; 0394 - Seven Springs <NTX0394@lja.com>

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Attached for your review, is the letter, DRAFT permit, NAPD, and statement of basis/technical summary, for Permit WQ0016628001 GB878 LLC.

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

Please note, a translated copy of the NAPD in the alternative language must be submitted with your comments on the draft permit. If a translated NAPD is not received, the draft permit cannot be filed with the Office of the Chief Clerk. For notice templates in Spanish, please visit: https://www.tceq.texas.gov/permitting/wastewater/review/napd/wqspanish_napd.html

Please submit any **comments and/or approval** no later than, **Thursday, June 5, 2025**. If the comments and/ or approval are not received by the given deadline, it may cause significant delays in the permit process. Please contact John Hearn with your comments and/ or approval to: John.Hearn@tceq.texas.gov .

Thank you,

Shemica Wilford
Customer Information Assistance (CIA)
Water Quality Division
Texas Commission on Environmental Quality (TCEQ)
Shemica.Wilford@tceq.texas.gov

[EXTERNAL EMAIL] Exercise caution. Do not open attachments or click links from unknown senders or unexpected email

[EXTERNAL EMAIL] Exercise caution. Do not open attachments or click links from unknown senders or unexpected email

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: Ms.

Last Name, First Name: Preston, Laura

Title: Project Engineer

Credential: P.E.

Organization Name: LJA Engineering, Inc.

Mailing Address: 6060 N Central Expy, Ste 400

City, State, Zip Code: Dallas, Texas 75206

Phone No.: 214-442-6579

E-mail Address: lpreston@lja.com

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: John & Judy Gay Library

Location within the building: Help Desk

Physical Address of Building: 6861 Eldorado Pkwy

City: McKinney

County: Collin

Contact (Last Name, First Name): Library Staff

Phone No.: 972-547-7323 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

Candice Calhoun

From: Laura Preston <lpreston@lja.com>
Sent: Friday, September 27, 2024 2:36 PM
To: Candice Calhoun
Cc: Sally Easley; Dallas Wendling; 0394 - Seven Springs
Subject: RE: Application to Renew Permit No. WQ0016628001 - Notice of Deficiency
Attachments: Seven Springs WWTP Municipal Discharge New Spanish NORI.docx; Seven Springs WWTP NOD Response.pdf; 0394 Seven Springs Landowner Labels.docx

Follow Up Flag: Follow up
Flag Status: Completed

Candice – please see attached response letter which includes the revised application page and landowners map and list. Also attached are the word docs for the landowner labels and the Spanish NORI.

Please let me know if you need additional information.

Thanks,

Laura Preston, P.E. | Assistant Project Manager

Land Development

O: 214.442.6579 | C: 325.668.2952

6060 N Central Expy, Suite 400, Dallas, TX 75206

EMPLOYEE-OWNED. CLIENT FOCUSED.

From: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Sent: Thursday, September 26, 2024 4:30 PM
To: Laura Preston <lpreston@lja.com>
Cc: Dallas Wendling <dwendling@lja.com>
Subject: Application to Renew Permit No. WQ0016628001 - Notice of Deficiency
Importance: High

[EXTERNAL EMAIL]

Dear Ms. Preston,

The attached Notice of Deficiency (NOD) letter dated **September 26, 2024**, requests additional information needed to declare the application administratively complete. Please send complete response by **October 10, 2024**.

Please let me know if you have any questions.

Regards,

September 27, 2024

Via Email to:
Candice.Calhoun@tceq.texas.gov

Re: Response Letter for Case No. WQ0016628001 (EPA I.D. No. TX0146668)
GB878 LLC (CN605905983)
Seven Springs WWTP (RN111983516)
LJA Job No. NT340-0394

Dear Candice Calhoun:

In response to the TCEQ comments dated September 26, 2024, we have addressed your comments as follows.

1. Administrative Report 1.0

Section 2, item A on page 3 of the application: The authorization type marked is incorrect. Box 3, Conventional Wastewater Treatment, is a mistype on our end and should say "Conventional Water Treatment". Our team is in the process of updating this section of the application. Please clarify the correct authorization type.

Response: A revised Administrative Report 1.0, Section 2, item A, page 3 of application, has been updated to reflect "Privately-Owned Domestic Wastewater" and is included as an attachment to this response letter.

2. Administrative Report 1.1

Affected Landowner Information – The affected landowner map property labeled 1 is owned by the applicant. The applicant cannot be their own affected landowner. Please provide a revised map that labels the full applicant property boundary, including all contiguous properties owned by the applicant, and labels all affected landowners adjacent to the applicant's contiguous property boundary. Please also provide an updated cross reference landowner list and the landowner list formatted for mailing labels (Avery 5160) in a Microsoft Word Document.

Response: An updated Affected Landowner Map, updated Affected Landowner List, and updated Affected Landowner Labels as a word document are included as attachments to this response letter.

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. GB878 LLC, 5501 Headquarters Drive, Suite 300W, Plano, Texas 75024, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016628001 (EPA I.D. No. TX0146668) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 500,000 gallons per day. The domestic wastewater treatment facility will be located approximately 1.0 mile northeast

of the intersection of County Road 134 and County Road 175 in Collin County, Texas., near the city of Weston, in Collin County, Texas 75009. The discharge route will be from the plant site to an unnamed tributary, thence to East Fork Trinity River, thence to Lavon Lake (to be confirmed by RWA). TCEQ received this application on September 18, 2024. The permit application will be available for viewing and copying at Roy & Helen Hall Memorial Library, Help Desk, 101 East Hunt Street, McKinney, in Collin County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application. <https://gisweb.tceq.texas.gov/LocationMapper/?marker=-96.665,33.368055&level=18>

Further information may also be obtained from GB878 LLC at the address stated above or by calling Ms. Laura Preston, P.E., Project Engineer, at 214-442-6579.

Response: The version of the NORI included below is a copy of the above with changes noted in green. Items previously shown in red text have been left in red text.

APPLICATION. GB878 LLC, 5501 Headquarters Drive, Suite 300W, Plano, Texas 75024, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016628001 (EPA I.D. No. TX0146668) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 500,000 gallons per day. The domestic wastewater treatment facility will be located approximately 1.0 mile northeast of the intersection of County Road 134 and County Road 175 in Collin County, Texas., near the city of Weston, in Collin County, Texas 75009. The discharge route will be from the plant site to an unnamed tributary, thence to East Fork Trinity River, thence to Lavon Lake (to be confirmed by RWA). TCEQ received this application on September 18, 2024. The permit application will be available for viewing and copying at Roy & Helen Hall Memorial Library, Help Desk, 101 East Hunt Street, McKinney, in Collin County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application. <https://gisweb.tceq.texas.gov/LocationMapper/?marker=-96.665,33.368055&level=18>

Further information may also be obtained from GB878 LLC at the address stated above or by calling Ms. Laura Preston, P.E., Project Engineer, at 214-442-6579.

We trust this additional information will allow further review and processing for approval. If you have any questions or require additional information, please contact me at 214.442.6579 or lpreston@lja.com.

Sincerely,

A handwritten signature in blue ink, appearing to read 'L. Preston', with a stylized flourish at the end.

Laura Preston, PE
Assistant Project Manager

Enclosures:

Revised Administrative Report, Section 2, Item A, Page 3
Revised Affected Landowner Map
Revised Affected Landowner List
Revised Affected Landowner Labels (word)
Completed Spanish NORI (word)



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 <input type="checkbox"/>	\$315.00 <input type="checkbox"/>
≥0.05 but <0.10 MGD	\$550.00 <input type="checkbox"/>	\$515.00 <input type="checkbox"/>
≥0.10 but <0.25 MGD	\$850.00 <input type="checkbox"/>	\$815.00 <input type="checkbox"/>
≥0.25 but <0.50 MGD	\$1,250.00 <input type="checkbox"/>	\$1,215.00 <input type="checkbox"/>
≥0.50 but <1.0 MGD	\$1,650.00 <input checked="" type="checkbox"/>	\$1,615.00 <input type="checkbox"/>
≥1.0 MGD	\$2,050.00 <input type="checkbox"/>	\$2,015.00 <input type="checkbox"/>

Minor Amendment (for any flow) \$150.00 ☐

Payment Information:

Mailed Check/Money Order Number: N/A

Check/Money Order Amount: N/A

Name Printed on Check: N/A

EPAY Voucher Number: 707452 & 707453

Copy of Payment Voucher enclosed? Yes ☒

Section 2. Type of Application (Instructions Page 26)

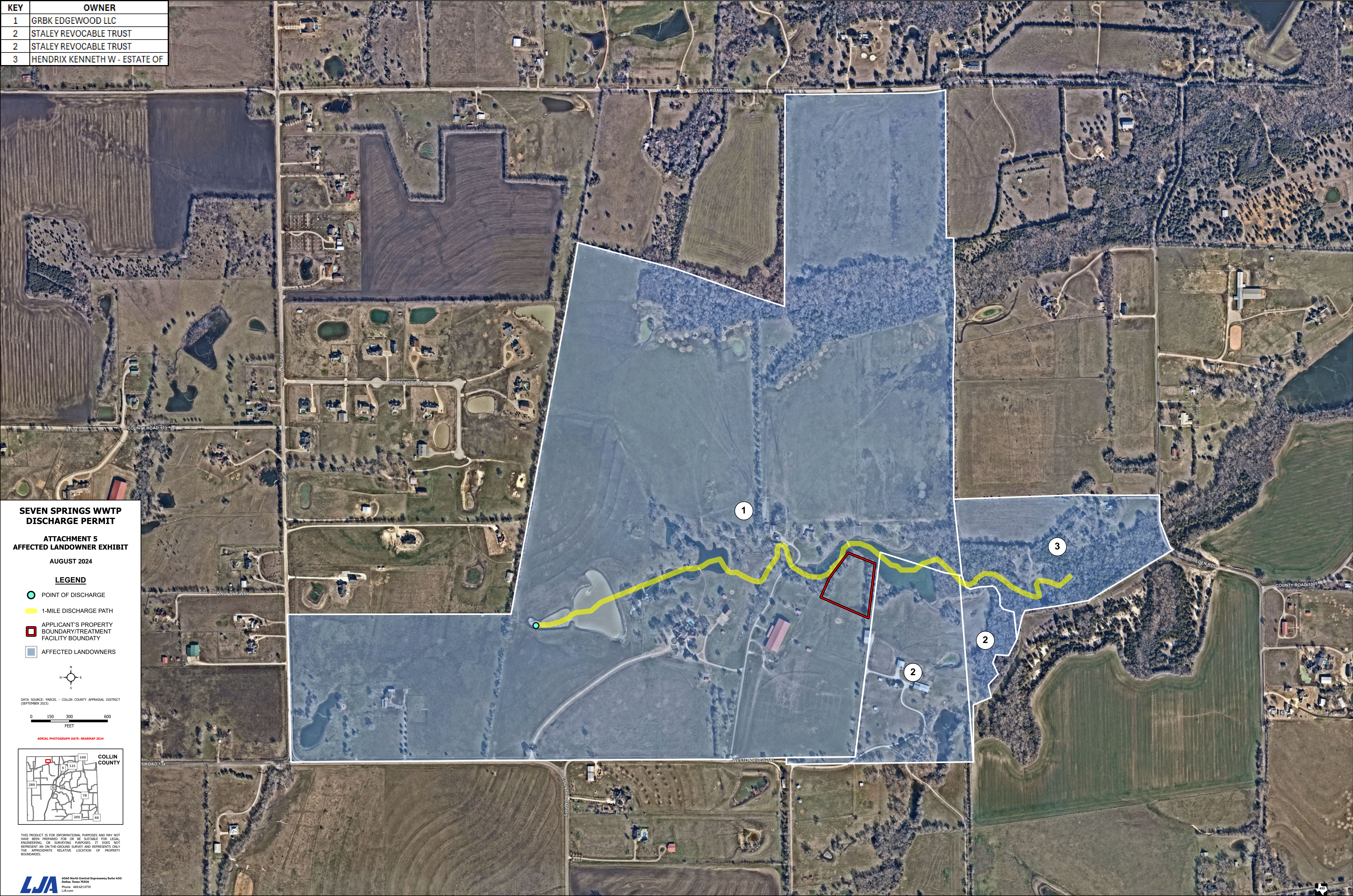
a. Check the box next to the appropriate authorization type.

- ☐ Publicly-Owned Domestic Wastewater
- ☒ Privately-Owned Domestic Wastewater
- ☐ Conventional Wastewater Treatment

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

- ☐ Active ☒ Inactive

KEY	OWNER
1	GRBK EDGEWOOD LLC
2	STALEY REVOCABLE TRUST
2	STALEY REVOCABLE TRUST
3	HENDRIX KENNETH W - ESTATE OF



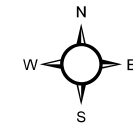
**SEVEN SPRINGS WWTP
DISCHARGE PERMIT**

**ATTACHMENT 5
AFFECTED LANDOWNER EXHIBIT**

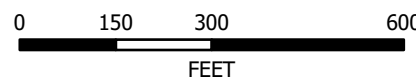
AUGUST 2024

LEGEND

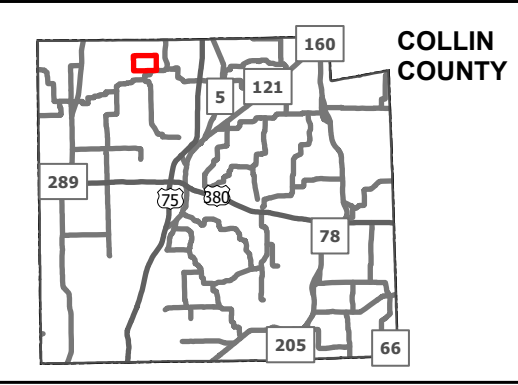
- POINT OF DISCHARGE
- 1-MILE DISCHARGE PATH
- APPLICANT'S PROPERTY
BOUNDARY/TREATMENT
FACILITY BOUNDARY
- AFFECTED LANDOWNERS



DATA SOURCE: PARCEL - COLLIN COUNTY APPRAISAL DISTRICT
(SEPTEMBER 2023)



AERIAL PHOTOGRAPH DATE: NEARMAP 2024



THIS PRODUCT IS FOR INFORMATIONAL PURPOSES AND MAY NOT
HAVE BEEN PREPARED FOR OR BE SUITABLE FOR LEGAL,
ENGINEERING, OR SURVEYING PURPOSES. IT DOES NOT
REPRESENT AN ON-THE-GROUND SURVEY AND REPRESENTS ONLY
THE APPROXIMATE RELATIVE LOCATION OF PROPERTY
BOUNDARIES.

1. GRBK EDGEWOOD LLC
5501 HEADQUARTERS DR STE 300W
PLANO TX 75024
2. STALEY REVOCABLE TRUST
PO BOX 280
WESTON TX 75097
3. ESTATE OF KENNETH W HENDRIX
PO BOX 103
WESTON TX 75097



Compliance History Report

Compliance History Report for CN605905983, RN111983516, Rating Year 2024 which includes Compliance History (CH) components from September 1, 2019, through August 31, 2024.

Customer, Respondent, or Owner/Operator:	CN605905983, GB878 LLC	Classification: UNCLASSIFIED	Rating: -----
Regulated Entity:	RN111983516, SEVEN SPRINGS WWTP	Classification: NOT APPLICABLE	Rating: N/A
Complexity Points:	N/A	Repeat Violator:	N/A
CH Group:	08 - Sewage Treatment Facilities		
Location:	APPROXIMATELY 1.0 MILES NE OF THE INTERSECTION OF CR175 AND CR134 COLLIN, TX, COLLIN COUNTY		
TCEQ Region:	REGION 04 - DFW METROPLEX		
ID Number(s):			
WASTEWATER PERMIT WQ0016628001	WASTEWATER EPA ID TX0146668		
Compliance History Period:	September 01, 2019 to August 31, 2024	Rating Year: 2024	Rating Date: 09/01/2024
Date Compliance History Report Prepared:	October 07, 2024		
Agency Decision Requiring Compliance History:	Permit - Issuance, renewal, amendment, modification, denial, suspension, or revocation of a permit.		
Component Period Selected:	September 18, 2019 to October 07, 2024		
TCEQ Staff Member to Contact for Additional Information Regarding This Compliance History.			
Name: PT	Phone: (512) 239-3581		

Site and Owner/Operator History:

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

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

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

B. Criminal convictions:
N/A

C. Chronic excessive emissions events:
N/A

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

E. Written notices of violations (NOV) (CCEDS Inv. Track. No.):
A notice of violation represents a written allegation of a violation of a specific regulatory requirement from the commission to a regulated entity. A notice of violation is not a final enforcement action, nor proof that a violation has actually occurred.
N/A

F. Environmental audits:
N/A

G. Type of environmental management systems (EMSs):
Customer was not affiliated to Regulated Entity at time of Compliance History Rating.

N/A

H. Voluntary on-site compliance assessment dates:

N/A

I. Participation in a voluntary pollution reduction program:

N/A

J. Early compliance:

N/A

Sites Outside of Texas:

N/A

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

GB878 LLC, 5501 Headquarters Drive, Suite 300, Plano, Texas 75024, has applied to the TCEQ for proposed Texas Pollutant Discharge Elimination System Permit No. WQ0016628001 (EPA I.D. No. TX0146668) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 500,000 gallons per day. The domestic wastewater treatment facility will be located approximately 1.0 mile northeast of the intersection of County Road 134 and County Road 175, near the city of Weston, in Collin County, Texas 75009. The discharge route will be from the plant site to an unnamed tributary, thence to East Fork Trinity River, thence to Lake Lavon in Segment No. 0821 of the Trinity River Basin. TCEQ received this application on September 18, 2024. The permit application will be available for viewing and copying at Roy & Helen Hall Memorial Library, help desk, 101 East Hunt Street, McKinney, in Collin County, Texas. The application, including any updates, and associated notices are available electronically at the following webpage:

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

This link to an electronic map of the site or facility's general location is provided as a public courtesy and is not part of the application or notice. For the exact location, refer to the application. <https://gisweb.tceq.texas.gov/LocationMapper/?marker=-96.665,33.368055&level=18>

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

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

Issuance Date: _____

John&Judy Gay Public Library

Address: 6861 Eldorado Pkwy, McKinney, TX 75070

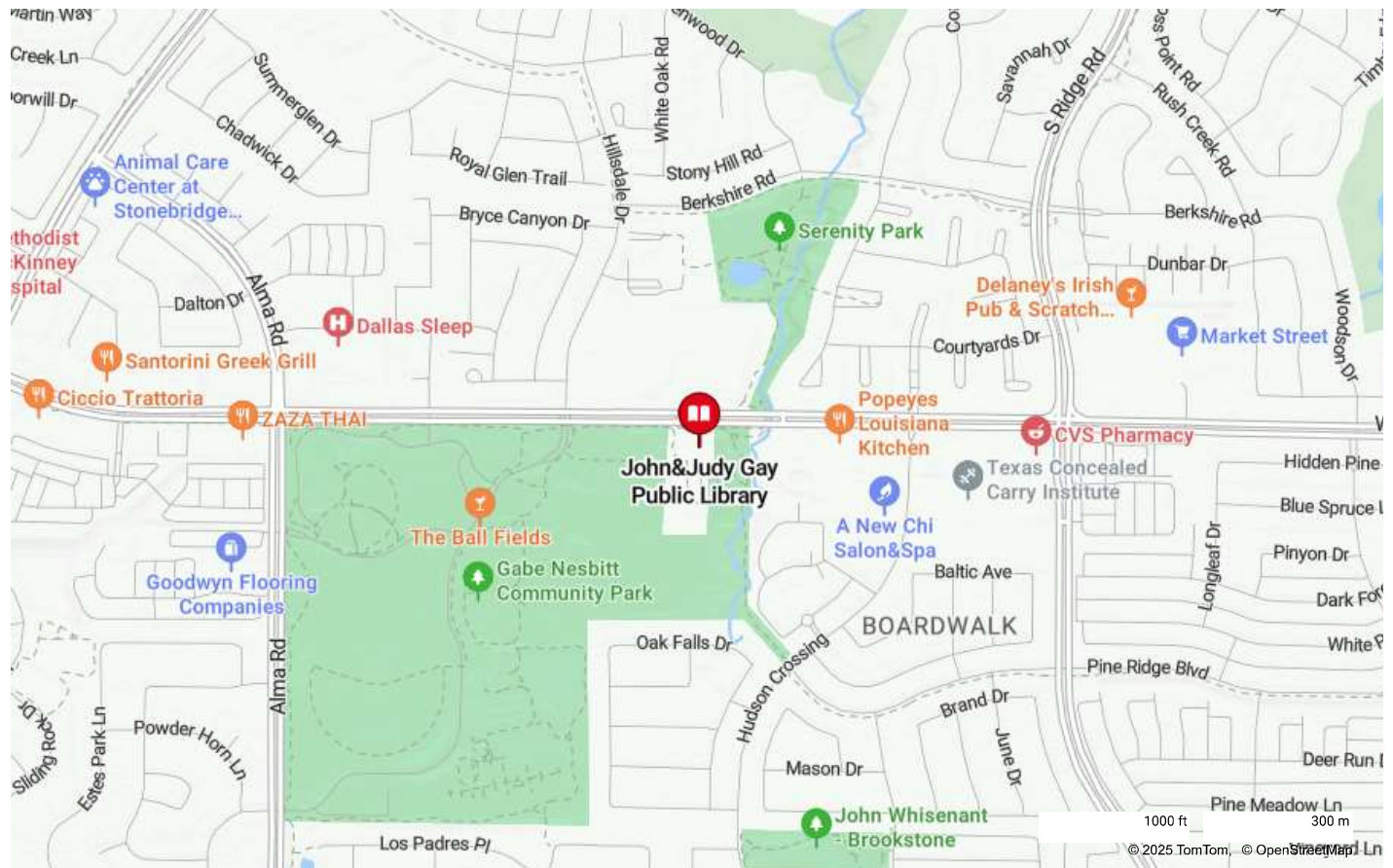
Phone: +1 972-547-7323

Website: <https://www.mckinneytexas.org/116/Library>

Hours

Monday - Thursday 10:00 AM - 9:00 PM

Friday - Sunday 10:00 AM - 6:00 PM



FAQs

FAQs

FAQs

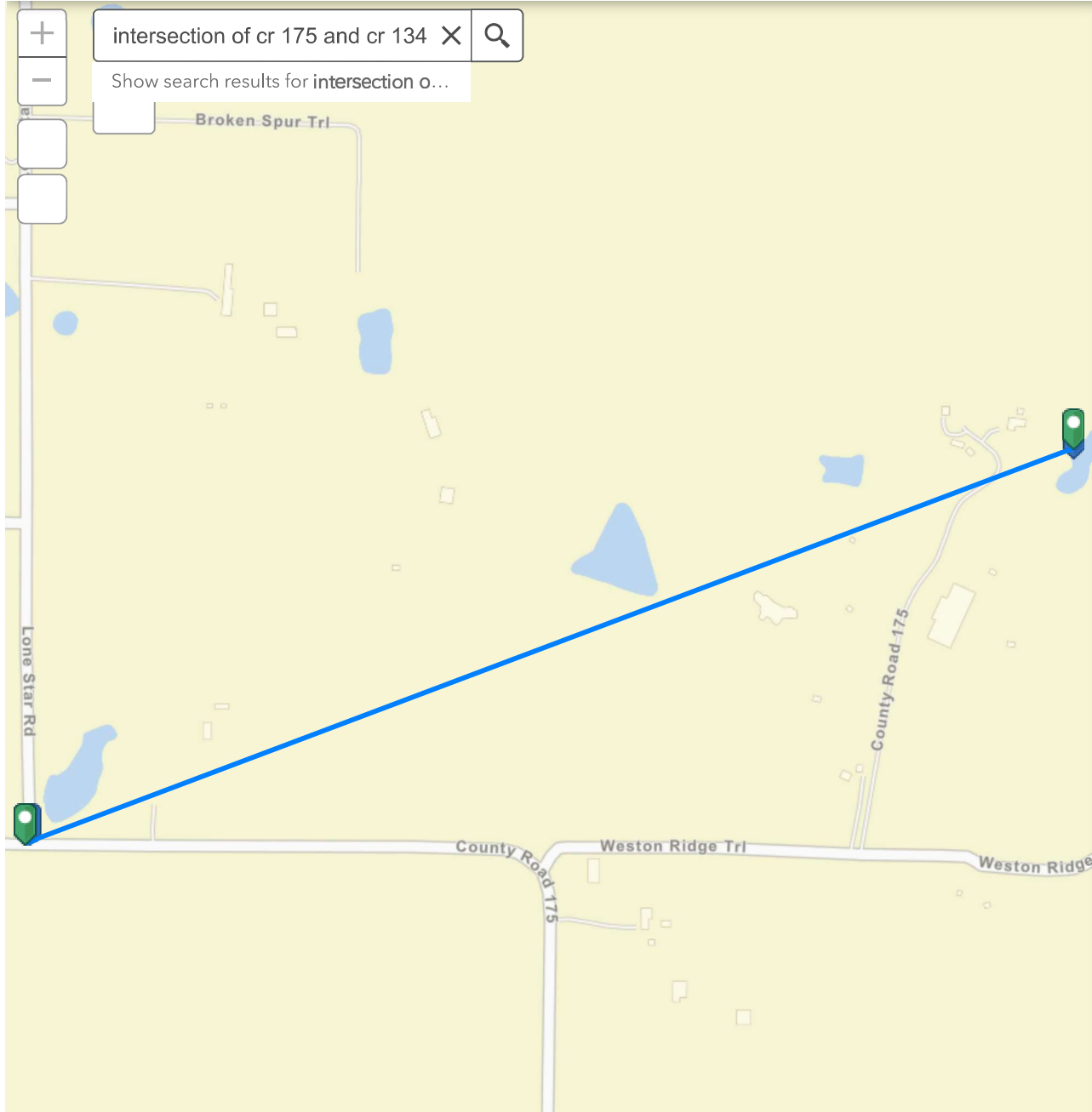
FAQs

Feedback

Feedback

Feedback

Feedback



Measure

| Miles

Measurement Result

0.88 Miles

Clear

Press CTRL to enable snapping

TCEQ ePay Receipt

Transaction Information

Trace Number: 582EA000612191
Date: 05/30/2024 12:45 PM
Payment Method: CC - Authorization 000006521D
ePay Actor: LAURA PRESTON
TCEQ Amount: \$1,650.00
Texas.gov Price:: \$1,687.38*

* This service is provided by Texas.gov, the official website of Texas. The price of this service includes funds that support the ongoing operations and enhancements of Texas.gov, which is provided by a third party in partnership with the State.

Payment Contact Information

Name: LAURA PRESTON
Company: LJA ENGINEERING
Address: 6060 N CENTRAL EXPY SUITE 400, DALLAS, TX 75206
Phone: 325-668-2952

Cart Items

Voucher	Fee Description	AR Number	Amount
707452	WW PERMIT - FACILITY WITH FLOW >= .50 & < 1.0 MGD - NEW AND MAJOR AMENDMENTS		\$1,600.00
707453	30 TAC 305.53B WQ NOTIFICATION FEE		\$50.00
		TCEQ Amount:	\$1,650.00

[ZIP Code™ by Address \(/zip-code-lookup.htm?byaddress\)](/zip-code-lookup.htm?byaddress)

[ZIP Code™ by City and State \(/zip-code-lookup.htm?bycitystate\)](/zip-code-lookup.htm?bycitystate)

[Cities by ZIP Code™ \(/zip-code-lookup.htm?citybyzipcode\)](/zip-code-lookup.htm?citybyzipcode)

[FAQs \(https://www.usps.com/faq.htm\)](https://www.usps.com/faq.htm)

Look Up a ZIP Code™

Go to

ZIP Code™ by Address

You entered:

5501 HEADQUARTERS DRIVE SUITE 300W
PLANO TX
75024

If more than one address matches the information provided, try narrowing your search by entering a street address and, if applicable, a unit number. **Edit and search again. ([zip-code-lookup.htm?byaddress](/zip-code-lookup.htm?byaddress))**

5501 HEADQUARTERS DR STE 300W
PLANO TX **75024-6192**

Feedback

[Look Up Another ZIP Code™](#)

[Edit and Search Again \(/zip-code-lookup.htm?byaddress\)](/zip-code-lookup.htm?byaddress)

TEXAS SECRETARY of STATE
JANE NELSON

BUSINESS ORGANIZATIONS INQUIRY - VIEW ENTITY

Filing Number:

804090652

Original Date of Filing:

June 1, 2021

Formation Date:

N/A

Tax ID:

32079488410

Duration:

Perpetual

Name:

GB878 LLC

Address:

5501 HEADQUARTERS DR STE 300W
PLANO, TX 75024-6192 USA

Entity Type:

Domestic Limited Liability Company (LLC)

Entity Status:

In existence

FEIN:

REGISTERED AGENT	FILING HISTORY	NAMES	MANAGEMENT	ASSUMED NAMES	ASSOCIATED ENTITIES	INITIAL ADDRESS
Name	Address				Inactive Date	
James R. Brickman	5501 Headquarters Drive, Suite 300W Plano, TX 75024 USA					

Order

Return to Search

Instructions:

 To place an order for additional information about a filing press the 'Order' button.

ZIP Code™ by Address (</zip-code-lookup.htm?byaddress>)

ZIP Code™ by City and State (</zip-code-lookup.htm?bycitystate>)

Cities by ZIP Code™ (</zip-code-lookup.htm?citybyzipcode>)

FAQs

Look Up a ZIP Code™

FAQs

([https://www.u
faqs.htm](https://www.u
faqs.htm))

([https://www
faqs.htm](https://www
faqs.htm))

ZIP Code™ by Address

You entered:

2150 SOUTH CENTRAL EXPRESSWAY SUITE 300
MCKINNEY TX
75070

If more than one address matches the information provided, try narrowing your search by entering a street address and, if applicable, a unit number. **Edit and search again.** ([zip-code-lookup.htm?byaddress](/zip-code-lookup.htm?byaddress))

Feedback

2150 S CENTRAL EXPY STE 300
MCKINNEY TX **75070-4002**

Look Up Another ZIP Code™

Edit and Search Again (</zip-code-lookup.htm?byaddress>)

TCEQ Interoffice Memorandum

To: Municipal Permits Team
Wastewater Permitting Section

From: Jeff Paull Standards Implementation Team
Water Quality Assessment Section
Water Quality Division

Thru: C. Brad Caston, Standards Implementation Team Peer Review
Water Quality Assessment Section
Water Quality Division

Date: October 9, 2024

Subject: GB878 LLC; Permit no. WQ0016628001
New; Application received 9/18/2024

The discharge route for the above referenced permit is to an unnamed tributary, thence to East Fork Trinity River, thence to Lake Lavon in Segment 0821 of the Trinity River Basin. The designated uses and dissolved oxygen criterion as stated in Appendix A of the Texas Surface Water Quality Standards (30 Texas Administrative Code §307.10) for Segment 0821 are primary contact recreation, public water supply, high aquatic life use, and 5.0 mg/L dissolved oxygen.

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

Unnamed tributary; limited aquatic life use; 3.0 mg/L dissolved oxygen.
East Fork Trinity River; high aquatic life use; 5.0 mg/L dissolved oxygen.

The Standards Implementation Team is recommending a total phosphorus limit of 0.5 mg/L for all phases.

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 East Fork Trinity River, which has been identified as having high aquatic life use. Existing uses will be maintained and protected. The preliminary determination can be reexamined and may be modified if new information is received.

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

TCEQ Interoffice Memorandum

To: Municipal Permits Team
Wastewater Permitting Section

From: James E. Michalk, Water Quality Modeler
Water Quality Assessment Team
Water Quality Assessment Section

Date: March 7, 2025

Subject: GB878 LLC; Wastewater Permit No. WQ0016628001 / TX0146668 (new)
Discharge to a tributary above Lavon Lake, Segment No. 0821 of the Trinity River Basin

An analysis of the referenced discharger was conducted using a simplified pond model for interim effluent flows of 0.125 MGD and 0.25 MGD and a final effluent flow of 0.50 MGD. The discharger is located in Collin County.

Based on model results, the proposed effluent set of **10 mg/L CBOD₅, 3 mg/L NH₃-N, and 4.0 mg/L DO** is predicted to be adequate for the **0.125 MGD** and **0.25 MGD** flow phases to ensure that dissolved oxygen levels will be maintained above the criteria established by the Standards Implementation Team for the unnamed tributary (3.0 mg/L) and the East Fork Trinity River above Lake Lavon (5.0 mg/L). However, an effluent set of **10 mg/L CBOD₅, 3 mg/L NH₃-N, and 5.0 mg/L DO** is predicted to be necessary for the **0.50 MGD** flow phase to ensure that dissolved oxygen levels will be maintained above the criteria established for the receiving waters.

Coefficients and kinetics used in the model are a combination of site-specific, estimated, and standardized default values. The results of this evaluation can be reexamined upon receipt of information that conflicts with the assumptions employed in this analysis.

Segment No. 0821 is not currently listed on the State's inventory of impaired and threatened waters (**2022** Clean Water Act Section 303(d) list). However, the **East Fork Trinity River above Lake Lavon** is currently listed on the 2022 303(d) list. The East Fork Trinity River above Lake Lavon listing is specifically for elevated bacteria levels in water (recreation use) throughout the entire water body (from the confluence with Lake Lavon to the upper end of the water body (NHD RC 12030106000074) in Grayson County) (AU 0821D_01).

The effluent limits recommended above have been reviewed for consistency with the State of Texas Water Quality Management Plan (WQMP). The recommended limits are not contained in the approved WQMP. However, these limits will be included in the next WQMP update.