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 **

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

DOMESTIC WASTEWATER

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

Texas Parks and Wildlife LBJ State Park (CN600134852) operates LBJ State Park Wastewater Treatment Plant RN102916871. an activated sludge process plant using the extended aeration mode. The disposal of treated wastewater is not to exceed 9,000 gallons per day via irrigation of 4.8 acres of restricted land access. The facility is located 2920 Ranch Road 1, in Stonewall, Gillespie County, Texas 78671.

Permit renewal for Texas Parks and Wildlife Department's LBJ State Park Wastewater Treatment Plant. This permit will not authorize the discharge of pollutants into water in the state. This permit will not authorize the discharge of pollutants into water in the state.

There are no expected pollutants. The discharged effluent will be applied to agricultural land restricted to public access.

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

AGUAS RESIDUALES DOMÉSTICAS

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

El Departamento de Parques y Vida Silvestre de Texas (TPWD) (CN600134852) opera la Planta de Tratamiento de LBJ State Park Wastewater Treatment Plant (RN102916871). Una planta de proceso de lodos activados que utiliza el modo de aireación extendida. La disposición de aguas residual tratadas no debe exceder los 9,000 galones por día mediante la irrigación de 4.8 acres de terreno de acceso restringido. La instalación está ubicada 2920 Ranch Road 1, en Stonewall, Condado de Gillespie, Texas 78671.

Renovación del permiso para la Plante de Tratamiento de Aguas Residuales del LBJ State Park del Departamento de Parques y Vida Silvestre de Texas (TPWD). Este permiso no autorizará una descarga de contaminantes en el agua en el estado.

Las descargas de la instalación no se espera que contengan contaminantes. La descarga de efluentes es tratada por la planta de proceso de lodos activados que utiliza el modo de aireación extendida.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

PERMIT NO. WQ0011480001

APPLICATION. Texas Parks and Wildlife Department, 4200 Smith School Road, Austin, Texas 78744, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Land Application Permit (TLAP) No. WQ0011480001 to authorize the disposal of treated wastewater at a volume not to exceed a daily average flow of 9,000 gallons per day via irrigation of 4.8 acres of restricted access land. The domestic wastewater treatment facility and disposal area are located at 2920 Ranch Road 1, near the city of Stonewall, in Gillespie County, Texas 78671. TCEQ received this application on September 6, 2024. The permit application will be available for viewing and copying at Lyndon B Johnson State Park, park headquarters office, 199 Park Road #52, Stonewall, in Gillespie 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/tlap-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=-98.631944,30.236666&level=18

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

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

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

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

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

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

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

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

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

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

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

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

Further information may also be obtained from Texas Parks and Wildlife Department at the address stated above or by calling Mr. Dennis Smith, Park Superintendent, at 830-644-2252.

Issuance Date: October 4, 2024

Comisión de Calidad Ambiental del Estado de Texas

AVISO DE RECIBO DE LA SOLICITUD E
INTENCION DE OBTENER PERMISO PARA LA CALIDAD DEL AGUA
RENOVACION

PERMISO NO. WQ0011480001

SOLICITUD. El Departamento de Parques y Vida Silvestre de Texas (TPWD), 4200 Smith School Road, Austin, Texas 78722 ha solicitado a la Comisión de Calidad Ambiental de Texas (TCEQ) para renovar el Permiso No. WQ0011480001 de disposición de aguas residuales para autorizar la disposición de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 9,000 galones por día por medio de 4.8 acres de tierra de acceso restringido. La planta de tratamiento de aguas domésticos residuales y el área de disposición están ubicados en 2920 Ranch Road 1, cerca de la ciudad de Stonewall, en el Condado de Gillespie, Texas. La TCEQ recibió esta solicitud el día 6 de septiembre de 2024. La solicitud para el permiso estará disponible para leerla y copiarla en Lyndon B. Johnson State Park, oficinia de parque, 199 Park Road #52, Stonewall en el condado de Gillespie, Texas antes de la fecha de publicación de este aviso en el periódico. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.
https://gisweb.tceq.texas.gov/LocationMapper/?marker=-98.367222,30.739166&level=18

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

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

OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO CONTENCIOSO. Después del plazo para presentar comentarios públicos, el Director Ejecutivo considerará todos

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

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

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

Si ciertos criterios se cumplen, la TCEQ puede actuar sobre una solicitud para renovar un permiso sin proveer una oportunidad de una audiencia administrativa de lo contencioso.

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

TCEQ.

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

También se puede obtener información adicional del Departamento de Parques y Vida Silvestre de Texas (TPWD) a la dirección indicada arriba o llamando a Sr. Dennis Smith al 512-793-2022.

Fecha de emission: 04 de octubre de 2024

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

NOTICE OF APPLICATION AND PRELIMINARY DECISION FOR WATER QUALITY LAND APPLICATION PERMIT FOR MUNICIPAL WASTEWATER

RENEWAL

PERMIT NO. WQ0011480001

APPLICATION AND PRELIMINARY DECISION. Texas Parks And Wildlife Department, 4200 Smith School Road, Austin, Texas 78744, has applied to the Texas Commission on Environmental Quality (TCEQ) for a renewal of TCEQ Permit No. WQ0011480001 which authorizes the disposal of treated domestic wastewater at a daily average flow not to exceed 9,000 gallons per day via surface irrigation of 4.8 acres of restricted access display agricultural land. This permit will not authorize a discharge of pollutants into water in the state. TCEQ received this application on September 6, 2024.

The wastewater treatment facility and disposal site are located at 2920 Ranch Road 1, near the city of Stonewall, in Gillespie County, Texas 78671. The wastewater treatment facility and disposal site are located in the drainage basin of Pedernales River in Segment No. 1414 of the Colorado River Basin. 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=-98.631944,30.236666&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 Lyndon B Johnson State Park, park headquarters office, 199 Park Road #52, Stonewall, in Gillespie 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/tlap-applications.

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

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

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

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

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

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

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

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

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

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

AGENCY CONTACTS AND INFORMATION. Public comments and requests must be submitted either electronically at www.tceq.texas.gov/goto/comment, or in writing to the Texas Commission on Environmental Quality, Office of the Chief Clerk, MC 105, P.O. Box 13087, Austin, Texas 78711-3087. Any personal information you submit to the TCEQ will become part of the agency's record; this includes email addresses. For more information about this permit application or the permitting process, please call the TCEQ Public Education Program, Toll Free, at 1-800-687-4040 or visit their website at www.tceq.texas.gov/goto/pep. Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained from Texas Parks And Wildlife Department at the address stated above or by calling Mr. Dennis Smith, Park Superintendent, at 830-644-2252.

Issuance Date: April 11, 2025

Comisión De Calidad Ambiental Del Estado De Texas

AVISO DE SOLICITUD Y DECISIÓN PRELIMINAR PARA PERMISO PARA APLICACIÓN DE LA CALIDAD DEL AGUA EN TERRENOS PARA AGUAS RESIDUALES MUNICIPALES

RENOVACIÓN

PERMISO NO. WQ0011480001

SOLICITUD Y DECISIÓN PRELIMINAR. El Departamento de Parques y Vida Silvestre de Texas (TPWD), 4200 Smith School Road, Austin, Texas 78744 ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) por una renovación para autorizar la disposición de aguas residuales domesticas tratadas con un flujo promedio diario que no exceda 9,000 galones por día mediante irrigación superficial en 4.8 acres de tierra agrícola de acceso restringido para exhibición. Este permiso no autorizará una descarga de contaminantes a las aguas del estado. La TCEQ recibió esta solicitud el 6 de septiembre de 2024.

La planta y el sitio de disposición están ubicadas en 2920 Ranch Road 1, cerca de la ciudad de Stonewall, en el Condado de Gillespie, Texas 78671. La planta y el sitio de disposición están ubicados en la cuenca de drenaje de Rio Pedernales en el Segmento No. 1414 de la Cuenca del Río Colorado. 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=-98.631944,30.236666&level=18

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 Lyndon B Johnson State Park, oficina de la seda del parque, 199 Park Road #52, Stonewall, en el Condado de Gillespie, 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/tlap-applications.

AVISO DE IDIOMA ALTERNATIVO. El aviso de idioma alternativo en español está disponible en https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tlap-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 del plazo para presentar comentarios públicos, el Director Ejecutivo considerará todos los comentarios apropiados y preparará una respuesta a todo los comentarios públicos esenciales, pertinentes, o significativos. **A menos que la solicitud haya sido referida directamente a una audiencia administrativa de lo contencioso, la respuesta a los comentarios y la decisión del Director Ejecutivo sobre la solicitud serán enviados por correo a todos los que presentaron un comentario público y a las personas que están en la lista para recibir avisos sobre esta solicitud. Si se reciben comentarios, el aviso también proveerá instrucciones para pedir una reconsideración de la decisión del Director Ejecutivo y para pedir una audiencia administrativa de lo contencioso.** Una audiencia administrativa de lo contencioso es un procedimiento legal similar a un procedimiento legal civil en un tribunal de distrito del estado.

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

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

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

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

Todos los comentarios escritos del público y los pedidos una reunión deben ser presentados durante los 30 días después de la publicación del aviso a la Oficina del Secretario Principal, MC 105, TCEQ, P.O. Box 13087, Austin, TX 78711-3087 or por el internet a www.tceq.texas.gov/about/comments.html. Tenga en cuenta que cualquier información personal que usted proporcione, incluyendo su nombre, número de teléfono, dirección de correo electrónico y dirección física pasarán a formar parte del registro público de la Agencia.

CONTACTOS E INFORMACIÓN DE LA AGENCIA. Los comentarios y solicitudes públicas deben enviarse electrónicamente a https://www14.tceq.texas.gov/epic/eComment/, o por escrito a Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Cualquier información personal que envíe a al TCEQ pasará a formar parte del registro de la agencia; esto incluye las direcciones de correo electrónico. Para obtener más información sobre esta solicitud de permiso o el proceso de permisos, llame al Programa de Educación Pública de la TCEQ, sin cargo, al 1-800-687-4040 o visite su sitio web en www.tceq.texas.gov/goto/pep. Si desea información en español, puede llamar al 1-800-687-4040.

También se puede obtener información adicional del Departamento de Parques y Vida Silvestre de Texas (TPWD) a la dirección indicada arriba o llamando a Sr. Dennis Smith, superintendente de parque, al 830-644-2252.

Fecha de emisión: 11 de abril de 2025

PERMIT NO. WQ0011480001

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

This is a renewal of Permit No. WQ0011480001 issued on January 13, 2015.

PERMIT TO DISCHARGE WASTES
under provisions of Chapter 26
of the Texas Water Code

Texas Parks And Wildlife Department

whose mailing address is

4200 Smith School Road
Austin, Texas 78744

Nature of Business Producing Waste: Domestic wastewater treatment operation, SIC Code 7033.

General Description and Location of Waste Disposal System:

Description: The LBJ State Park Wastewater Treatment Facility consists of an activated sludge process plant using the extended aeration mode. Treatment units include a bar screen, aeration basin, a final clarifier, a digester, a sludge holding tank, and a chlorine contact chamber. The permittee is authorized to dispose of treated domestic wastewater effluent at a daily average flow not to exceed 0.009 million gallons per day (MGD) via surface irrigation of 4.8 acres of restricted access display agricultural land. The facility includes a storage pond with a total surface area of 0.07 acres and total capacity of 0.36 acre-feet for storage of treated effluent prior to irrigation. Application rates to the irrigated land shall not exceed 2.1 acre-feet per year per acre irrigated. The permittee will maintain native grasses on the disposal site.

Location: The wastewater treatment facility and disposal site are located at 2920 Ranch Road 1, near the city of Stonewall, in Gillespie County, Texas 78671. (See Attachment A.)

Drainage Area: The wastewater treatment facility and disposal site are located in the drainage basin of Pedernales River in Segment No. 1414 of the Colorado River Basin. No discharge of pollutants into water in the state is authorized by this permit.

This permit and the authorization contained herein shall expire at midnight, **ten years from the date of issuance**.

ISSUED DATE:

For the Commission

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Conditions of the Permit: No discharge of pollutants into water in the state is authorized.

A. Effluent Limitations

Character: Treated Domestic Sewage Effluent

Volume: Daily Average Flow – 0.009 MGD from the treatment system

Quality: The following effluent limitations are required:

	Effluent Concentrations (Not to Exceed)	
Parameter	Daily Average mg/l	Single Grab mg/l
Biochemical Oxygen Demand (5-day)	N/A	65

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units.

The effluent shall be chlorinated in a chlorine contact chamber to a residual of 1.0 mg/l with a minimum detention time of 20 minutes.

B. Monitoring Requirements:

Parameter	Monitoring Frequency	Sample Type
Flow	Five/week	Instantaneous
Biochemical Oxygen Demand (5-day)	One/month	Grab
pH	One/month	Grab
Total Chlorine Residual	Five/week	Grab

The monitoring shall be done after the final treatment unit and prior to storage of the treated effluent. If the effluent is land applied directly from the treatment system, monitoring shall be done after the final treatment unit and prior to land application. These records shall be maintained on a monthly basis and be available at the plant site for inspection by authorized representatives of the Commission for at least three years.

STANDARD PERMIT CONDITIONS

This permit is granted in accordance with the Texas Water Code and the rules and other Orders of the Commission and the laws of the State of Texas.

DEFINITIONS

All definitions in Section 26.001 of the Texas Water Code 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. 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.

    b. Annual average flow - the arithmetic average of all daily flow determinations taken within the preceding 12 consecutive calendar months. The annual average flow determination shall consist of daily flow volume determinations made by a totalizing meter, charted on a chart recorder and limited to major domestic wastewater discharge facilities with a 1 million gallons per day or greater permitted flow.

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

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.

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 which 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 REQUIREMENTS

1. Monitoring Requirements

   Monitoring results shall be collected 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 in accordance with 30 TAC §§ 319.4 - 319.12.

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

2. Test Procedures

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

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

3. Records of Results

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

b. Except for records of monitoring information required by this permit related to the permittee's sewage sludge or biosolids use and disposal activities, which shall be retained for a period of at least five years, monitoring and reporting records, including strip charts and records of calibration and maintenance, copies of all records required by this permit, and records of all data used to complete the application for this permit 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, or application. 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 determining compliance with permit requirements.

5. Calibration of Instruments

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

6. Compliance Schedule Reports

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

7. Noncompliance Notification

   a. In accordance with 30 TAC § 305.125(9), any noncompliance which may endanger human health or safety, or the environment shall be reported by the permittee to the TCEQ. Except as allowed by 30 TAC § 305.132, report of such information shall be provided orally or by facsimile transmission (FAX) to the Regional Office within 24 hours of becoming aware of the noncompliance. A written submission of such information shall also be provided by the permittee to the Regional Office and the Enforcement Division (MC 224) within five working days of becoming aware of the noncompliance. The written submission shall contain a description of the noncompliance and its cause; the potential danger to human health or safety, or the environment; the period of noncompliance, including exact dates and times; if the noncompliance has not been corrected, the time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance, and to mitigate its adverse effects.

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

      i. Unauthorized discharges as defined in Permit Condition 2(g).

      ii. Any unanticipated bypass which exceeds any effluent limitation in the 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.

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).

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 which 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 Texas Water Code Section 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 Special Provisions section of this permit.

h. The permittee is subject to administrative, civil, and criminal penalties, as applicable, under Texas Water Code §§ 7.051 - 7.075 (relating to Administrative Penalties), 7.101 - 7.111 (relating to Civil Penalties), and 7.141 - 7.202 (relating to Criminal Offenses and Penalties).

3. Inspections and Entry

a. Inspection and entry shall be allowed as prescribed in the Texas Water Code Chapters 26, 27, and 28, and Texas Health and Safety Code Chapter 361.

b. The members of the Commission and employees and agents of the Commission are entitled to enter any public or private property at any reasonable time for the purpose of inspecting and investigating conditions relating to the quality of water in the state or the compliance with any rule, regulation, permit or other order of the Commission. Members, employees, or agents of the Commission and Commission contractors are entitled to enter public or private property at any reasonable time to investigate or monitor or, if the responsible party is not responsive or there is an immediate danger to

public health or the environment, to remove or remediate a condition related to the quality of water in the state. Members, employees, Commission contractors, or agents acting under this authority who enter private property shall observe the establishment's rules and regulations concerning safety, internal security, and fire protection, and if the property has management in residence, shall notify management or the person then in charge of his presence and shall exhibit proper credentials. If any member, employee, Commission contractor, or agent is refused the right to enter in or on public or private property under this authority, the Executive Director may invoke the remedies authorized in Texas Water Code Section 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 could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements in Monitoring and Reporting Requirements No. 9;

      ii. 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 Texas Water Code § 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.

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 which requires a permit or other authorization pursuant to the Texas Health and Safety Code.

7. Property Rights

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

8. 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.

9. 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.

10. 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 Texas Water Code § 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 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 which 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 percent 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 percent 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 percent 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 judgement 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. Facilities which generate industrial solid waste as defined in 30 TAC § 335.1 shall comply with these provisions:

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

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

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

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

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

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

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

iv. Identity of hauler or transporter;
v. Location of disposal site; and
vi. Method of final disposal.

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

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

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 or biosolids supplies the sewage sludge or biosolids 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 or biosolids 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; annually; prior to sludge disposal in accordance with the method specified in both 40 CFR Part 261, Appendix II and 40 CFR Part 268, Appendix I [Toxicity Characteristic Leaching Procedure (TCLP)] or other method 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 13) 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 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 permitee requests and obtains an electronic reporting waiver, the annual report can be submitted in hard copy to the TCEQ Regional Office (MC Region 13) 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

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

* Dry weight basis

3. Pathogen Control

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

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

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

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

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

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

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

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

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

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

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

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

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

Alternative 1

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

ii. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after application of biosolids when the biosolids remain 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. Sewage sludge shall be injected below the surface of the land.

ii. No significant amount of the sewage sludge shall be present on the land surface within one hour after the sewage sludge is injected.

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

Alternative 10-

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

ii. When biosolids that are incorporated into the soil is Class A or Class AB with respect to pathogens, the sewage sludge 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; annually; prior to sludge disposal
PCBs	- once during the term of this permit; annually; prior to sludge disposal

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

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

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

Representative samples of sewage sludge shall be collected and analyzed in accordance with

the methods referenced in 30 TAC § 312.7

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

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

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

SECTION II. REQUIREMENTS SPECIFIC TO BULK SEWAGE SLUDGE 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

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

Table 3

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

*Dry weight basis

B. Pathogen Control

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

C. Management Practices

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

2. Bulk sewage sludge 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 Class A or AB 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 sewage sludge 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 or biosolids treatment activities.

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

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

   d. The date and time sludge or 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 sludge applied to each site in dry tons.

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

F. Reporting Requirements

The permittee shall 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 permitee requests and obtains an electronic reporting waiver, the annual report can be submitted in hard copy to the TCEQ Regional Office (MC Region 13) 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 or biosolids 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 meet 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; annually; prior to sludge disposal in accordance with the method specified in both 40 CFR Part 261, Appendix II and 40 CFR Part 268, Appendix I (Toxicity Characteristic Leaching Procedure) 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 13) 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 13) and the Enforcement Division (MC 224), by September 30_{th} 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 permitee requests and obtains an electronic reporting waiver, the annual report can be submitted in hard copy to the TCEQ Regional Office (MC Region 13) and the Enforcement Division (MC224).

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

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

C. Reporting Requirements

The permittee shall 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 permitee requests and obtains an electronic reporting waiver, the annual report can be submitted in hard copy to the TCEQ Regional Office (MC Region 13) 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

SPECIAL PROVISIONS:

1. This permit is 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 this permit in accordance with applicable procedural requirements to require the system covered by this permit to be integrated into an area-wide system, if an area-wide system is developed; to require the delivery of the wastes authorized to be collected in, treated by, or discharged from the system, to an 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.

2. 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 D * facility must be operated by a chief operator or an operator holding a Class D * 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 which 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.

   *A Class D Wastewater Treatment Operator license is not renewable for operators of a facility listed in 30 TAC Section 30.342(c) and must be upgraded to a Class C Wastewater Treatment Operator license or higher prior to the expiration date of the Class D license.

3. The permittee shall maintain and operate the treatment facility in order to achieve optimum efficiency of treatment capability. This shall include required monitoring of effluent flow and quality as well as appropriate grounds and building maintenance.

4. Irrigation practices shall be designed and managed as to prevent ponding of effluent or contamination of ground and surface waters and to prevent the occurrence of nuisance conditions in the area. To promote effluent and nutrient uptake by the crop, and to prevent pathways for effluent surfacing, native grasses shall be established and well maintained in the irrigation area throughout the year. Tailwater control facilities shall be provided as necessary to prevent the discharge of any effluent from the irrigated land.

5. Effluent shall not be applied for irrigation during rainfall events or when the ground is frozen or saturated.

6. The permittee will maintain native grasses on the disposal site. Application rates to the irrigated land shall not exceed 2.1 acre-feet per year per acre irrigated. The permittee is responsible for providing equipment to determine application rates and maintaining

accurate records of the volume of effluent applied. These records shall be made available for review by the Texas Commission on Environmental Quality and shall be maintained for at least three years.

7. Holding or storage ponds shall conform to the design criteria for stabilization ponds with regard to construction and levee design and shall maintain a minimum freeboard of two feet.

8. The irrigation site shall be adequately fenced to keep the site from public contact and signs erected stating that the water irrigated is not suitable for drinking or recreation.

9. The permittee shall obtain representative soil samples from the root zones of the land application area. Composite sampling techniques shall be used. Each composite sample shall represent no more than 4.8 acres with no fewer than 10 to 15 subsamples representing each composite sample. For analysis and reporting, subsamples shall be composited by like sampling depth, type of crop, and soil type. Soil types are soils that have like topsoil or plow layer textures. These soils shall be sampled individually from 0 to 6 inches, 6 to 18 inches and 18 to 30 inches below ground level. The permittee shall sample soils in December to February of each year. Soil samples shall be analyzed within 30 days of sample collection.

   Samples shall be analyzed annually according to the following table:

Parameter	**Method**	**Minimum Analytical Level (MAL)**	**Reporting units**
pH	2:1 (v/v) water to soil mixture		Reported to 0.1 pH units after calibration of pH meter
Electrical Conductivity	2:1 (v/v) water to soil mixture	0.01	dS/m (same as mmho/cm)
Nitrate-nitrogen	From a 1 N KCl soil extract	1	mg/kg (dry weight basis)
Total Kjeldahl Nitrogen (TKN)	For determination of Organic plus Ammonium Nitrogen. Procedures that use Mercury (Hg) are not acceptable.	20	mg/kg (dry weight basis)
Total Nitrogen	= TKN plus Nitrate-nitrogen		mg/kg (dry weight basis)
Plant-available: Phosphorus	Mehlich III with inductively coupled plasma	1 (P)	mg/kg (dry weight basis)

Plant-available: Potassium (K)	May be determined in the same Mehlich III extract with inductively coupled plasma	5 (K)	mg/kg (dry weight basis)
Amendment addition, e.g., gypsum			Report in *short tons/acre* in the year effected

A copy of this soil testing plan shall be provided to the analytical laboratory prior to sample analysis. The permittee shall submit the results of the annual soil sample analyses with copies of the laboratory reports and a map depicting the areas that have received wastewater within the permanent land application fields to the TCEQ Regional Office (MC Region 13) and the Compliance Monitoring Team (MC 224) of the Enforcement Division, no later than the end of September of each sampling year. If wastewater is not applied in a particular year, the permittee shall notify the same TCEQ offices and indicate that wastewater has not been applied on the approved land irrigation site(s) during that year.

10. If the effluent is to be transferred to a holding pond or tank, re-chlorination prior to the effluent being delivered into the irrigation system will be required. A trace chlorine residual shall be maintained in the effluent at the point of irrigation application.

11. For any area where treated effluent is stored or where there exist hose bibs or faucets, the permittee shall erect adequate signs stating that the irrigation water is from a non-potable water supply. Signs shall consist of a red slash superimposed over the international symbol for drinking water accompanied by the message “DO NOT DRINK THE WATER” in both English and Spanish. All piping transporting the effluent shall be clearly marked with these same signs.

12. Spray fixtures for the irrigation system shall be of such design that they cannot be operated by unauthorized personnel.

13. Irrigation with effluent shall only be done when the irrigation area is not in use.

14. Permanent transmission lines shall be installed from the holding pond to each tract of land to be irrigated utilizing effluent from that pond.

15. The permittee is authorized to haul sludge from the wastewater treatment facility, by a licensed hauler, to the City of Fredericksburg WWTP, TPDES Permit No. WQ0014969001, or any other facility authorized by the TCEQ to accept sludge, for final processing and disposal.

    The permittee shall keep records of all sludge removed from the wastewater treatment plant site and these records shall include the following information:

    a. The volume of sludge hauled;
    b. The date(s) that sludge was hauled;
    c. The identity of haulers; and
    d. The permittee, TCEQ permit number, and location of the facility to which the sludge is hauled.

These records shall be maintained on a monthly basis and shall be reported to the TCEQ Regional Office (MC Region 13) and the TCEQ Water Quality Compliance Monitoring Team (MC 224) of the Enforcement Division by September 30 of each year.

16. The permittee shall analyze the irrigation effluent a minimum of once per year for Total Kjeldahl nitrogen (TKN), nitrate-nitrogen, and total N. The permittee shall submit the annual results of these analyses to the TCEQ Water Quality Assessment Team (MC 150), TCEQ Region Office (MC Region 13) and the Compliance Monitoring Team (MC 224) of TCEQ by the end of September of each monitoring year. The permittee may request removal of this provision if for three consecutive years the land application of total nitrogen does not exceed 150 lb/ac/year. This request with an assessment of the data shall be submitted to the Water Quality Assessment Team (MC 150) for review/revision and approval with copies to the TCEQ Region Office xx and the TCEQ Compliance Monitoring Team (MC 224).

17. The permittee shall use cultural practices to promote and maintain the health and propagation of the native grasses and avoid plant lodging. The permittee shall harvest the crops (cut and remove it from the field) at least as needed to maintain minimum/maximum harvest height in accordance with the Annual Cropping Plan during the year. Harvesting and mowing dates shall be recorded in a log book kept on site to be made available to TCEQ personnel upon request.

18. The physical condition of the land application fields shall be monitored on a weekly basis. Any area with problems such as surface runoff, surficial erosion, or stressed or damaged vegetation, etc., shall be recorded in a field log kept onsite. Corrective measures will be implemented within 24 hours of discovery.

19. The irrigated crops include native grasses. Application rates to the irrigated land shall not exceed 2.10 acre-feet/acre/year. The permittee is responsible for providing equipment to determine application rates and maintaining accurate records of the volume of effluent applied. These records shall be made available for review by the Texas Commission on Environmental Quality and shall be maintained for at least three years.

20. The permittee shall construct and maintain earthen berms to prevent runoff from leaving the irrigation site

21. The permittee shall comply with buffer zone requirements of 30 TAC §309.13(c). A wastewater treatment plant unit, defined by 30 TAC Section §309.11(9), must be located a minimum horizontal distance of 250 ft from a private well and a minimum horizontal distance of 500 ft from a public water well site, spring, or other similar sources of public drinking water, as provided by §290.41(c)(1)(C) of this title.

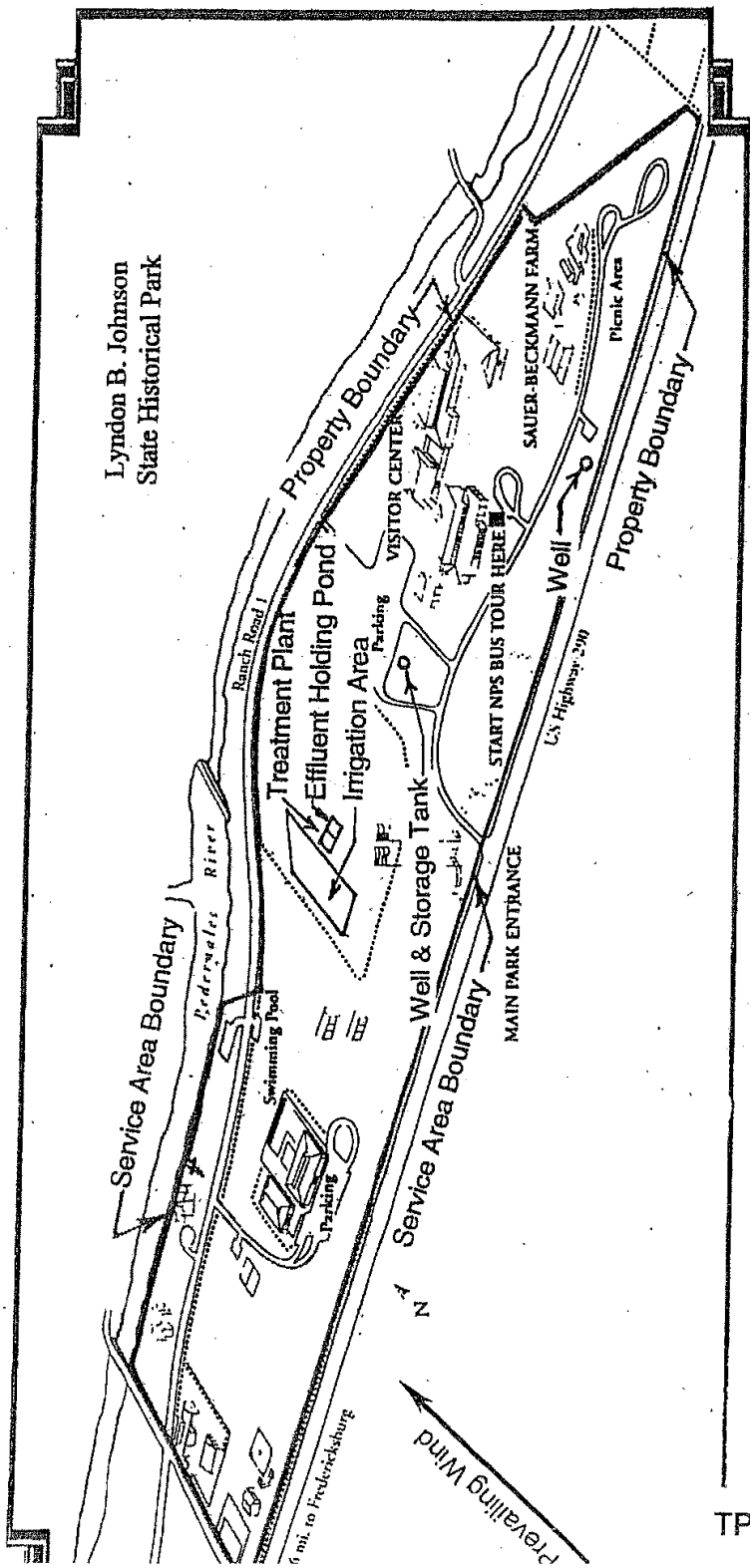
22. The existing wastewater pond shall be maintained and operated in a manner that prevents unauthorized discharge to water in the state and contamination of groundwater.

23. Facilities for the retention of treated or untreated wastewater shall be adequately managed and lined to control seepage. At least once per month, the Permittee shall inspect the sides and bottom (if visible) of all wastewater ponds for signs of damage and leakage, and any pond leak detection systems that are in service. Leaking ponds shall be removed from service, or operated in a manner to prevent discharge, until repairs are made or replacement ponds are constructed.

24. Pond liner certifications and all liner construction and repair documentation shall be maintained by the Permittee for the life of the facility and be made available for TCEQ personnel for inspection and review.

25. Any new or modified wastewater ponds shall be adequately lined to control seepage in accordance with 30 TAC §217.203 **and** 30 TAC 309.13(d) since the facility overlies the recharge zone of an aquifer. The Permittee shall submit the liner certification for a newly-constructed or modified wastewater pond to the Water Quality Assessment Team (MC-150), the TCEQ San Antonio Regional Office (MC-Region 13), and the TCEQ Compliance Monitoring Section (MC-224) within 30 days of completion and prior to use. The certification shall be signed and sealed by a Texas-licensed professional engineer and include a description of how the liner meets the requirements of 30 TAC §217.203 **and** 30 TAC §309.13(d).

Attachment – A
Texas Parks And Wildlife Department
Permit No. WQ0011480001



TECHNICAL SUMMARY AND
EXECUTIVE DIRECTOR'S PRELIMINARY DECISION

DESCRIPTION OF APPLICATION

Applicant:	Texas Parks And Wildlife Department TCEQ Permit No. WQ0011480001
Regulated Activity:	Domestic Wastewater Permit
Type of Application:	Renewal
Request:	Renewal with no changes
Authority:	Texas Water Code (TWC) § 26.027; 30 Texas Administrative Code (TAC) Chapters 305, 309, 312, 319, and 30; and Commission policies.

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 **ten years from the date of issuance,** according to 30 TAC Section 305.127(1)(C)(ii)(III), Conditions to be Determined for Individual Permits.

REASON FOR PROJECT PROPOSED

Texas Parks And Wildlife Department has applied to the Texas Commission on Environmental Quality (TCEQ) for a renewal of Permit No. WQ0011480001 to authorize the disposal of treated domestic wastewater at a daily average flow not to exceed 0.009 million gallons per day (MGD) via surface irrigation of 4.8 acres of restricted access display agricultural land. The facility includes a storage pond with a total surface area of 0.07 acres and total capacity of 0.36 acre-feet for storage of treated effluent prior to irrigation. The existing wastewater treatment facility serves LBJ State Park facilities.

PROJECT DESCRIPTION AND LOCATION

The LBJ State Park Wastewater Treatment Facility consists of an activated sludge process plant using the extended aeration mode. Treatment units include a bar screen, aeration basin, a final clarifier, a digester, a sludge holding tank, and a chlorine contact chamber. The facility is in operation.

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

The wastewater treatment facility and disposal site are located at 2920 Ranch Road 1, near the city of Stonewall in Gillespie County, Texas 78671.

The wastewater treatment facility and disposal site are located in the drainage basin of Pedernales River in Segment No. 1414 of the Colorado River Basin. No discharge of pollutants

into water in the state is authorized by this permit.

SUMMARY OF EFFLUENT DATA

The following is a summary of the applicant's effluent monitoring data for the period February 2023 through February 2025. The average of Daily Average value is computed by averaging of all 30-day average values for the reporting period for each parameter: flow and five-day biochemical oxygen demand (BOD_5).

Parameter	Average of Daily Average
Flow, MGD	0.00041
BOD_5, mg/l	4.2

DRAFT PERMIT CONDITIONS

The draft permit authorizes the disposal of treated domestic wastewater effluent at a daily average flow not to exceed 0.009 MGD via surface irrigation of 4.8 acres of restricted access display agricultural land. The facility includes a storage pond with a total surface area of 0.07 acres and total capacity of 0.36 acre-feet for storage of treated effluent prior to irrigation. Application rates to the irrigated land shall not exceed 2.1 acre-feet per year per acre irrigated. The permittee will maintain native grasses on the disposal site.

The effluent limitation in the draft permit, based on a single grab, is 65 mg/l BOD_5.

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

None.

SUMMARY OF CHANGES FROM EXISTING PERMIT

Effluent limitations and monitoring requirements in the draft permit remain the same as the existing permit effluent limitations and monitoring requirements. The Sludge Provisions, Special Provisions, and Standard Provisions have been revised in the draft permit.

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

Special Provision (S.P.) No. 2 in the existing permit has been updated to reflect the requirements of 30 TAC § 30.342, which does not allow renewal of a Class D operator's license for mechanical treatment plants.

S.P. Nos. 4, 9, 11, and 13 in the existing permit have been revised in the draft permit based on Agronomy and Geology compliance review.

S.P. Nos. 16 through 25 have been added to the draft permit; based on Agronomy and Geology compliance review.

The facility's location description in the existing permit has been revised in the draft permit based on information provided in the application.

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

BASIS FOR DRAFT PERMIT

The following items were considered in developing the draft permit:

1. Application received on September 6, 2024, and additional information received on March 28, 2025.

2. Existing TCEQ permit: Permit No. WQ0011480001 issued on January 13, 2015.

3. Interoffice Memorandum from the Water Quality Assessment Team, Water Quality Assessment & Standards Section, Water Quality Division.

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 Sujata Sinha at (512) 239-1963.

Sujata Sinha

Sujata Sinha
Municipal Permits Team
Wastewater Permitting Section (MC 148)

4/2/2025
Date

TEXAS PARKS & WILDLIFE

Life's better outside.®

August 22, 2024

Application Review and Processing Team
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, Texas 78711-3087

Re: LBJ State Park WWTF
TCEQ Permit/ID No. WQ0011480001
Permit Renewal Application

Attached is the original permit renewal application and an additional three copies for the Texas Parks and Wildlife (TPWD) LBJ State Park Wastewater Treatment Facility (WWTF). If you have any questions concerning this application, please contact me at (512) 389-4665.

Please initiate an Interagency Transaction Voucher (ITV) for the amount of $315.00 to cover the fees for this renewal. If you should have any questions about the payment of the permit renewal fees, please contact Melanie Lewis at (512) 389-8083.

Sincerely,

James Harden
Facilities Management Director

JH

Attachments

cc: TCEQ Copy 1, Copy 2, and Copy 3
Melanie Lewis (no attachments)
State Park
TPWD State Parks Region 3
File Copy

4200 SMITH SCHOOL ROAD
AUSTIN, TEXAS 78744-3291
512.389.4800
www.tpwd.texas.gov

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT: TPWD LBJ State Park

PERMIT NUMBER: WQ0011480001

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

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

For TCEQ Use Only

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

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

APPLICATION FOR A DOMESTIC WASTEWATER PERMIT ADMINISTRATIVE REPORT 1.0

If you have questions about completing this form please contact the Applications Review and Processing Team at 512-239-4671.

Section 1. Application Fees (Instructions Page 29)

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

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

Minor Amendment (for any flow) $150.00 ☐

Payment Information:

Mailed — Check/Money Order Number: See Cover Letter
Check/Money Order Amount: See Cover Letter
Name Printed on Check: See Cover Letter

EPAY — Voucher Number: See Cover Letter

Copy of Payment Voucher enclosed? Yes ☐

Section 2. Type of Application (Instructions Page 29)

☐ New TPDES
☐ New TLAP
☐ Major Amendment *with* Renewal
☐ Minor Amendment *with* Renewal
☐ Major Amendment *without* Renewal
☐ Minor Amendment *without* Renewal
☒ Renewal without changes
☐ Minor Modification of permit

For amendments or modifications, describe the proposed changes:

For existing permits:

Permit Number: WQ0011480001

EPA I.D. (TPDES only): TX

Expiration Date: December 1, 2024

Section 3. Facility Owner (Applicant) and Co-Applicant Information (Instructions Page 29)

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

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

TPWD LBJ State Park

(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: 600134852

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., Ms., Miss): Mr.

First and Last Name: Justin Rhodes

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

Title: Deputy Director, State Parks Division

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 (Mr., Ms., Miss): N/A

First and Last Name: N/A

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

Title: N/A

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

C. Core Data Form

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

Attachment: Attachment A1

Section 4. Application Contact Information (Instructions Page 30)

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

First and Last Name: James Harden

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

Title: Director Facility Management

Organization Name: Texas Parks and Wildlife Department

Mailing Address: 4200 Smith School Rd

City, State, Zip Code: Austin, TX 78744

Phone No.: 512-389-4301 Ext.: N/A Fax No.: 512-389-4895

E-mail Address: james.harden@tpwd.texas.gov

Check one or both: ☒ Administrative Contact ☐ Technical Contact

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

First and Last Name: Stephen Abbott

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

Title: Lead Operations Ranger

Organization Name: TPWD LBJ State Park

Mailing Address: PO Box 238

City, State, Zip Code: Stonewall, TX, 78671

Phone No.: 830-644-8015 Ext.: N/A Fax No.: N/A

E-mail Address: stephen.abbott@tpwd.texas.gov

Check one or both: ☐ Administrative Contact ☒ Technical Contact

Section 5. Permit Contact Information (Instructions Page 30)

Provide two names of individuals that can be contacted throughout the permit term.

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

First and Last Name: James Harden

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

Title: Director Facility Management

Organization Name: Texas Parks and Wildlife Department

Mailing Address: 4200 Smith School Rd

City, State, Zip Code: Austin, TX, 78744

Phone No.: 512-389-4301 Ext.: N/A Fax No.: 512-389-4895

E-mail Address: james.harden@tpwd.texas.gov

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

First and Last Name: Dennis Smith

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

Title: Park Superintendent

Organization Name: TPWD LBJ State Park

Mailing Address: PO BOX 238

City, State, Zip Code: Stonewall, TX, 78671

Phone No.: 830-644-2252 Ext.: N/A Fax No.: N/A

E-mail Address: dennisedd.smith@tpwd.texas.gov

Section 6. Billing Information (Instructions Page 30)

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

First and Last Name: Melanie Lewis

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

Title: Administrative Assistant

Organization Name: Texas Parks and Wildlife Department

Mailing Address: 4200 Smith School Rd

City, State, Zip Code: Austin, TX, 78744

Phone No.: 512-389-8083 Ext.: N/A Fax No.: 512-389-4895

E-mail Address: melanie.lewis@tpwd.texas.gov

Section 7. DMR/MER Contact Information (Instructions Page 31)

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

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

First and Last Name: Stephen Abbott

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

Title: Lead Operations Ranger

Organization Name: Texas Parks and Wildlife Department

Mailing Address: PO Box 238

City, State, Zip Code: Stonewall, TX, 78671

Phone No.: 830-644-8015 Ext.: Fax No.:

E-mail Address: stephen.abbott@tpwd.texas.gov

DMR data is required to be submitted electronically. Create an account at: https://www.tceq.texas.gov/permitting/netdmr/netdmr.html.

Section 8. Public Notice Information (Instructions Page 31)

A. Individual Publishing the Notices

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

First and Last Name: Dennis Smith

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

Title: Superintendent, LBJ State Park

Organization Name: Texas Parks and Wildlife Department

Mailing Address: PO Box 238

City, State, Zip Code: Stonewall, TX, 78671

Phone No.: 830-644-2252 Ext.: N/A Fax No.: N/A

E-mail Address: dennisedd.smith@tpwd.texas.gov

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

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

☒ E-mail Address

☐ Fax

☐ Regular Mail

C. Contact person to be listed in the Notices

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

First and Last Name: Dennis Smith

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

Title: Park Superintendent

Organization Name: TPWD LBJ State Park

Phone No.: 830-644-2252 Ext.: N/A

E-mail: dennisedd.smith@tpwd.texas.gov

D. Public Viewing Information

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

Public building name: State Park HQ

Location within the building: Park Headquarters Office

Physical Address of Building: 199 SP Road 52

City: Stonewall County: Gillespie

Contact Name: Mr. Dennis Smith, Park Superintendent

Phone No.: 830-644-2252 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. 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: N/A

Section 9. Regulated Entity and Permitted Site Information (Instructions Page 33)

A. If the site is currently regulated by TCEQ, provide the Regulated Entity Number (RN) issued to this site. **RN102916871**

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):

LBJ State Park Wastewater Treatment Plant

C. Owner of treatment facility: Texas Parks and Wildlife Department (TPWD) c/o Facility Management Director

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

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

Prefix (Mr., Ms., Miss): N/A

First and Last Name: Texas Parks and Wildlife Department (TPWD) c/o Facility Management Director

Mailing Address: 4200 Smith School Road

City, State, Zip Code: Austin, TX, 78744

Phone No.: 512-389-4301 E-mail Address: james.harden@tpwd.texas.gov

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

Attachment: N/A

E. Owner of effluent disposal site:

Prefix (Mr., Ms., Miss): N/A

First and Last Name: Texas Parks and Wildlife Department (TPWD) c/o Facility Management Director

Mailing Address: 4200 Smith School Rd

City, State, Zip Code: Ausitn, TX, 78744

Phone No.: 512-389-4301 E-mail Address: james.harden@tpwd.texas.gov

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

Attachment: N/A

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

Prefix (Mr., Ms., Miss): N/A

First and Last 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 34)

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:

N/A

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:

N/A - TLAP Permit

City nearest the outfall(s): N/A

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

Outfall Latitude: N/A Longitude: N/A

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 36)

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

B. City nearest the disposal site: near Stonewall, TX

C. County in which the disposal site is located: Gillespie

D. Disposal Site Latitude: 30.236797 Longitude: N30° 14.179"

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

From treatment plant through a 4" pipe to the adjacent effluent holding pond, thence about 150' through a 4" force main to the irrigation field

F. For **TLAPs**, please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained:

Pedernales River, Segment 1414 of the Colorado River Basin

Section 12. Miscellaneous Information (Instructions Page 37)

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

☐ Yes ☒ No

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

☒ Yes ☐ No ☐ Not Applicable

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

N/A

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

☐ Yes ☒ No

If yes, list each person formerly employed by the TCEQ who represented your company and was paid for service regarding the application:

N/A

D. Do you owe any fees to the TCEQ?

☐ Yes ☐ No

If **yes**, provide the following information:

Account number: Amount past due:

E. Do you owe any penalties to the TCEQ?

☐ Yes ☐ No

If **yes**, please provide the following information:

Enforcement order number: Amount past due:

Section 13. Attachments (Instructions Page 38)

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 – Attachment A1

Section 14. Signature Page (Instructions Page 39)

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

Permit Number: WQ0011480001

Applicant: TPWD LBJ State Park

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): Justin Rhodes

Signatory title: Deputy Director, State Parks Division

Signature: _____ Date: 8-26-24

(Use blue ink)

Subscribed and Sworn to before me by the said Justin Rhodes

on this 30th day of August, 2024.

My commission expires on the 19th day of October, 2027.

_____

Notary Public

ELIZABETH ANN HIBBS
Notary Public, State of Texas
Comm. Expires 10-19-2027
Notary ID 12621935-9

[SEAL]

Travis

County, Texas

Section 15. Plain Language Summary (Instructions Page 40)

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

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

DOMESTIC WASTEWATER

The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 Texas Administrative Code Chapter 39. The information provided in this summary may change during the technical review of the application and are not federal enforceable representations of the permit application.
Texas Parks and Wildlife LBJ State Park (CN600134852) operates LBJ State Park Wastewater Treatment Plant RN102916871. an activated sludge process plant using the extended aeration mode. The facility is located 2920 Ranch Road 1, in Stonewall, Gillespie County, Texas 78671.

Permit renewal for Texas Parks and Wildlife Department's LBJ State Park Wastewater Treatment Plant. This permit will not authorize a discharge of pollutants into water in the state. This permit will not authorize the discharge of pollutants into water in the state.

Discharges from the facility are expected to contain14. List all expected pollutants here..15. Enter types of wastewater discharged here. 16. Choose from the drop-down menu. treated by 17. Enter a description of wastewater treatment used at the facility here..

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

AGUAS RESIDUALES DOMÉSTICAS

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

1. Introduzca el nombre del solicitante aquí. (2. Introduzca el número de cliente aquí (es decir, CN6 #########).) 3. Elija del menú desplegable. 4. Introduzca el nombre de la instalación aquí. 5. Introduzca el número de entidad regulada aquí (es decir, RN1 #########). 6. Elija del menú desplegable. 7. Introduzca la descripción de la instalación aquí. . La instalación 8. Elija del menú desplegable. ubicado 9. Introduzca la ubicación aquí. , en 10. Introduzca el nombre de la ciudad aquí. , Condado de 11. Introduzca el nombre del condado aquí. , Texas 12. Introduzca el código postal aquí. . 13. Introduzca el resumen de la solicitud de solicitud aquí. *<<Para las aplicaciones de TLAP incluya la siguiente oración, de lo contrario, elimine:>>* Este permiso no autorizará una descarga de contaminantes en el agua en el estado.

Se espera que las descargas de la instalación contengan14. Liste todos los contaminantes esperados aquí. . 15. Introduzca los tipos de aguas residuales descargadas aquí. 16. Elija del menú desplegable. tratado por 17. Introduzca una descripción del tratamiento de aguas residuales utilizado en la instalación aquí.

DOMESTIC ADMINISTRATIVE REPORT 1.1

The following information is required for new and amendment applications.

Section 1. Affected Landowner Information (Instructions Page 41)

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:

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):

Section 2. Original Photographs (Instructions Page 44)

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 44)

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

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC 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)

The SPIF must be completed as a separate document. The TCEQ will mail a copy of the SPIF to each agency as required by the TCEQ agreement with EPA. If any of the items are not completely addressed or further information is needed, you will be contacted to provide the information before the permit is issued. Each item must be completely addressed.

Do not refer to a response of any item in the permit application form. Each attachment must be provided with this form separately from the administrative report of the application. The application will not be declared administratively complete without this form being completed in its entirety including all attachments.

The following applies to all applications:

1. Permittee: TPWD LBJ State Park

   Permit No. WQ00 14800001 EPA ID No. TX N/A

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

   199 SP Road 52/Stonewall/Gillespie

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

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

First and Last Name: Stephen Abbott

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

Title: Lead Operations Ranger

Mailing Address: PO Box 238

City, State, Zip Code: Stonewall, TX, 78671

Phone No.: 830-644-8015 Ext.: N/A Fax No.: N/A

E-mail Address: Stephen.abbott@tpwd.texas.gov

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

N/A - TLAP not TPDES

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

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

N/A

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

State Park facilities

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

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

N/A

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

N/A

WATER QUALITY PERMIT

PAYMENT SUBMITTAL FORM

Use this form to submit the Application Fee, if the mailing the payment.

- Complete items 1 through 5 below.
- Staple the check or money order in the space provided at the bottom of this document.
- **Do not mail this form with the application form.**
- Do not mail this form to the same address as the application.
- Do not submit a copy of the application with this form as it could cause duplicate permit entries.

Mail this form and the check or money order to:

BY REGULAR U.S. MAIL

Texas Commission on Environmental Quality
Financial Administration Division
Cashier's Office, MC-214
P.O. Box 13088
Austin, Texas 78711-3088

BY OVERNIGHT/EXPRESS MAIL

Texas Commission on Environmental Quality
Financial Administration Division
Cashier's Office, MC-214
12100 Park 35 Circle
Austin, Texas 78753

Fee Code: WQP **Waste Permit No:**

1. Check or Money Order Number:
2. Check or Money Order Amount:
3. Date of Check or Money Order:
4. Name on Check or Money Order:
5. APPLICATION INFORMATION

   Name of Project or Site:

   Physical Address of Project or Site:

   If the check is for more than one application, attach a list which includes the name of each Project or Site (RE) and Physical Address, exactly as provided on the application.

Staple Check or Money Order in This Space

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ATTACHMENT 1

INDIVIDUAL INFORMATION

Section 1. Individual Information (Instructions Page 50)

Complete this attachment if the facility applicant or co-applicant is an individual. Make additional copies of this attachment if both are individuals.

Prefix (Mr., Ms., Miss):

Full legal name (first, middle, last):

Driver's License or State Identification Number:

Date of Birth:

Mailing Address:

City, State, and Zip Code:

Phone Number: Fax Number:

E-mail Address:

CN:

For Commission Use Only:
Customer Number:
Regulated Entity Number:
Permit Number:

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 applications 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 Attached ☒ 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)

Attachment A1

Core Data Form

Permit No. WQ0011480001

TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission *(If other is checked please describe in space provided.)* ☐ New Permit, Registration or Authorization *(Core Data Form should be submitted with the program application.)*		
☒ Renewal *(Core Data Form should be submitted with the renewal form)*		☐ Other
2. Customer Reference Number *(if issued)* **CN 600134852**	Follow this link to search for CN or RN numbers in Central Registry**	**3. Regulated Entity Reference Number** *(if issued)* **RN 102916871**

SECTION II: Customer Information

4. General Customer Information	**5. Effective Date for Customer Information Updates** (mm/dd/yyyy)		
☐ New Customer ☒ Update to Customer Information ☐ Change in Regulated Entity Ownership ☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)			
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).			
6. Customer Legal Name *(If an individual, print last name first: eg: Doe, John)*		*If new Customer, enter previous Customer below:*	
Texas Parks and Wildlife Department			
7. TX SOS/CPA Filing Number	**8. TX State Tax ID** (11 digits)	**9. Federal Tax ID** (9 digits) 741680372	**10. DUNS Number** *(if applicable)*
11. Type of Customer: ☐ Corporation		☐ Individual	Partnership: ☐ General ☐ Limited
Government: ☐ City ☐ County ☐ Federal ☐ Local ☒ State ☐ Other		☐ Sole Proprietorship	☐ Other:
12. Number of Employees ☐ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☒ 501 and higher		**13. Independently Owned and Operated?** ☐ **Yes** ☒ **No**	
14. Customer Role (Proposed or Actual) – *as it relates to the Regulated Entity listed on this form. Please check one of the following*			
☐ Owner ☐ Operator ☒ Owner & Operator ☐ Other: ☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant			

15. Mailing Address:	4200 Smith School Road						
	City	Austin	**State**	TX	**ZIP**	78744	**ZIP + 4**

16. Country Mailing Information *(if outside USA)*	**17. E-Mail Address** *(if applicable)*
	james.harden@tpwd.texas.gov

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(512)389-4301		(512) 389-4895

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.)*

TPWD LBJ State Park WWTF

23. Street Address of the Regulated Entity: ***(No PO Boxes)***	2920 Ranch Road 1							
	City	Stonewall	**State**	TX	**ZIP**	78671	**ZIP + 4**	
24. County	Gillespie							

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

25. Description to Physical Location:	Approximately 1.5 miles east of the intersection of Farm-to-Market Road 1623 and U.S. Highway 290, in Gillespie County, Texas 78671				
26. Nearest City			**State**	**Nearest ZIP Code**	
Stonewall			TX	78671	

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:	30.236895		**28. Longitude (W) In Decimal:**	-98.631670	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
30	14	12.822	-98	37	54.012

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.)*

State Park

34. Mailing Address:	**c/o Facility Management Director**							
	4200 Smith School Rd							
	City	Austin	**State**	TX	**ZIP**	78744	**ZIP + 4**	
35. E-Mail Address:	**james.harden@tpwd.texas.gov**							

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(512)389-4301		**(512)389-4895**

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

☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☒ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:
	WQ0011480001			

SECTION IV: Preparer Information

40. Name:	James Harden		**41. Title:**	Director- Facility Management
42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**	
(512)389-4301		(512)389-4895	james.harden@tpwd.texas.gov	

SECTION V: Authorized Signature

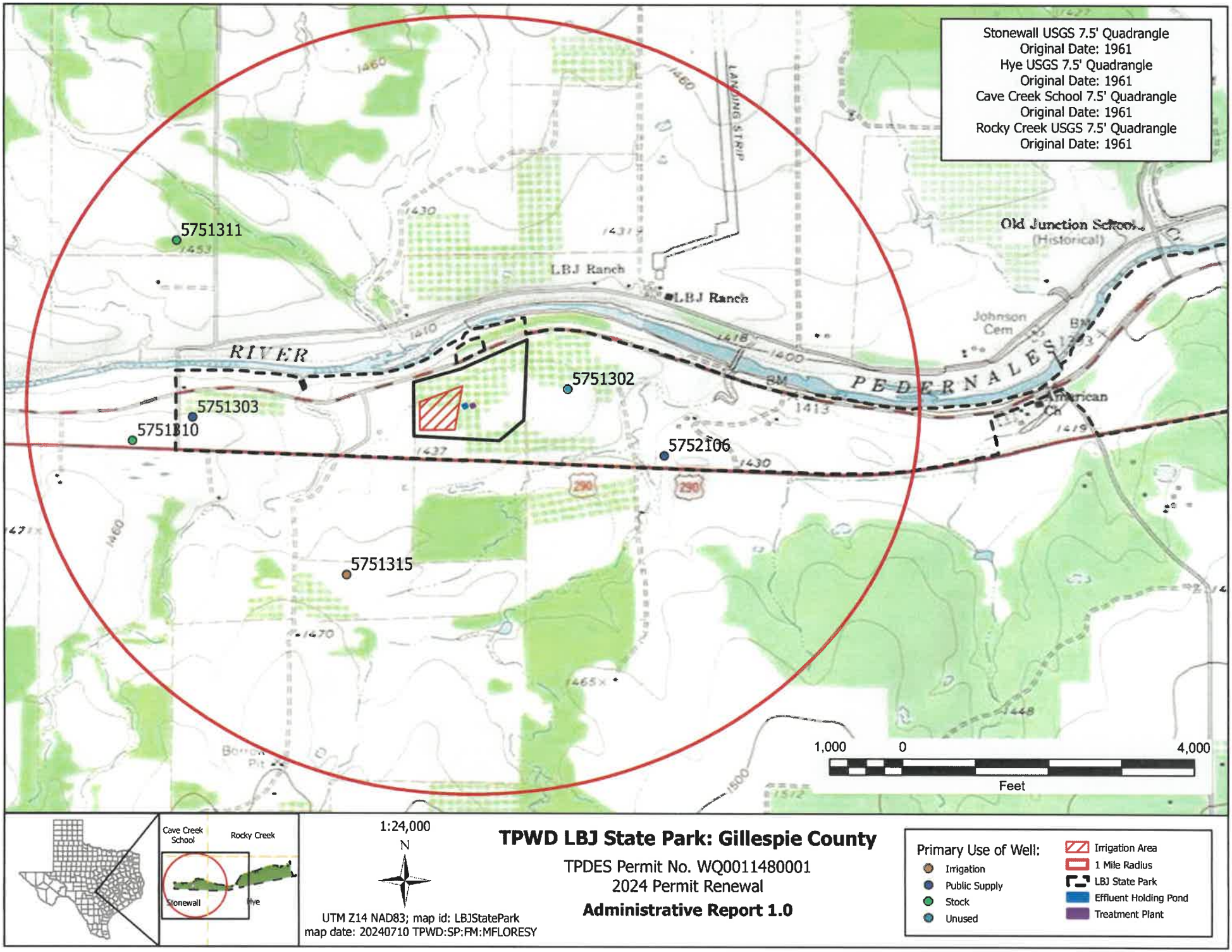
46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified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

Company:	Texas Parks and Wildlife Department	**Job Title:**	Deputy Director - State Pakrs Division
Name *(In Print):*	Justin Rhodes	**Phone:**	(512)389-8440
Signature:		**Date:**	8-30-24

Attachment A2

USGS Map

Permit No. WQ0011480001


Stonewall USGS 7.5' Quadrangle
Original Date: 1961
Hye USGS 7.5' Quadrangle
Original Date: 1961
Cave Creek School 7.5' Quadrangle
Original Date: 1961
Rocky Creek USGS 7.5' Quadrangle
Original Date: 1961
5751311
5751303
5751310
5751302
5752106
5751315
LBJ Ranch
Old Junction School
(Historical)
Johnson Cem
RIVER
PEDERNALES
1,000
0
4,000
Feet
Cave Creek School
Rocky Creek
Stonewall
Hye
1:24,000
N
UTM Z14 NAD83; map id: LBJStatePark
map date: 20240710 TPWD:SP:FM:MFLORESY
TPWD LBJ State Park: Gillespie County
TPDES Permit No. WQ0011480001
2024 Permit Renewal
Administrative Report 1.0
Primary Use of Well:
Irrigation
Public Supply
Stock
Unused
Irrigation Area
1 Mile Radius
LBJ State Park
Effluent Holding Pond
Treatment Plant

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): N/A

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

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

B. Interim II Phase

Design Flow (MGD): N/A

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

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

C. Final Phase

Design Flow (MGD): N/A

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

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

D. Current Operating Phase

Provide the startup date of the facility: Final

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.**

This is an activated sludge process plant with extended aeration mode that includes a bar screen, aeration lagoon, flocculating clarifier, and a final chlorine contact chamber.

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)
Bar Screen	1	2' x 9" x 9,-5"
Aeration Lagoon	1	12' x 9' x 16'
Flocculating Clarifier	1	11' x 9' x 16'
Digester	1	12' x 5' x 9'
Chlorine Contact Chamber	1	5' X 3' x 9'

C. Process Flow Diagram

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

Attachment: Attachment T1

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

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

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

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

- Latitude: Click to enter text.
- Longitude: Click to enter text.

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: Attachment T2

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

LBJ State Park

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
		Choose an item.	
		Choose an item.	
		Choose an item.	
		Choose an item.	

Section 4. Unbuilt Phases (Instructions Page 45)

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

N/A

Section 5. Closure Plans (Instructions Page 45)

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

N/A

Section 6. Permit Specific Requirements (Instructions Page 45)

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

A. Summary transmittal

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

☒ Yes ☐ No

If yes, provide the date(s) of approval for each phase: 10/24/1973

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.

N/A

C. Other actions required by the current permit

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

☐ Yes ☒ No

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

N/A

D. Grit and grease treatment

1. *Acceptance of grit and grease waste*

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

☐ Yes ☒ No

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 Click to enter text. or TXRNE Click to enter text.

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. Click to enter text.

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 BOD_5 concentration of the sludge, and the design BOD_5 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 BOD_5 concentration of the septic waste, and the design BOD_5 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	<2	1	Grab	4/25/24
Total Suspended Solids, mg/l	n/a	5.5	1	Grab	4/23/24
Ammonia Nitrogen, mg/l	n/a	BRL	1	Grab	4/29/24
Nitrate Nitrogen, mg/l	n/a	120	1	Grab	4/23/24
Total Kjeldahl Nitrogen, mg/l	n/a	n/a	1		
Sulfate, mg/l	n/a	42	1	Grab	4/23/24
Chloride, mg/l	n/a	170	1	Grab	4/23/24
Total Phosphorus, mg/l	n/a	13.05	1	Grab	5/6/24
pH, standard units	n/a	6.8	1	Grab	4/23/24
Dissolved Oxygen*, mg/l	n/a	n/a	1	Grab	n/a
Chlorine Residual, mg/l	n/a	4.1	1	Grab	4/23/24
E.coli (CFU/100ml) freshwater	n/a	<1	1	Grab	4/23/24
Entercocci (CFU/100ml) saltwater	n/a	n/a	1	Grab	n/a
Total Dissolved Solids, mg/l	n/a	1184	1	Grab	4/29/24
Electrical Conductivity, µmohs/cm, †	n/a	1780	1	Grab	4/25/24
Oil & Grease, mg/l	n/a	BRL	1	Grab	4/29/24
Alkalinity ($CaCO_3$)*, mg/l	n/a	n/a	1	Grab	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	n/a	n/a	n/a	n/a
Total Dissolved Solids, mg/l	n/a	n/a	n/a	n/a	n/a
pH, standard units	n/a	n/a	n/a	n/a	n/a
Fluoride, mg/l	n/a	n/a	n/a	n/a	n/a
Aluminum, mg/l	n/a	n/a	n/a	n/a	n/a
Alkalinity ($CaCO_3$), mg/l	n/a	n/a	n/a	n/a	n/a

Section 8. Facility Operator (Instructions Page 50)

Facility Operator Name: Stephen Abbott

Facility Operator's License Classification and Level: Pending

Facility Operator's License Number: Pending

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>= 1 MGD
- ☐ Serves >= 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: Transported to another permitted wastewater treatment plant

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
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.
Choose an item.	Choose an item.	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): Transport to another WWTP

D. Disposal site

Disposal site name: Pending – Attachment T3

TCEQ permit or registration number: Pending

County where disposal site is located: Pending

E. Transportation method

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

Name of the hauler: n/a

Hauler registration number: n/a

Sludge is transported as a:

Liquid ☐ semi-liquid ☒ semi-solid ☐ solid ☐

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

A. Beneficial use authorization

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

☐ Yes ☒ No

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

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

☐ Yes ☒ No

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 $1x10^{-7}$ 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

Section 14. Laboratory Accreditation (Instructions Page 56)

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

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

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

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

CERTIFICATION:

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

Printed Name: Justin Rhodes

Title: Deputy Director – State Parks Division

Signature: _____

Date: 8-26-24

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 3.0: LAND DISPOSAL OF EFFLUENT

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

Section 1. Type of Disposal System (Instructions Page 68)

Identify the method of land disposal:

- ☐ Surface application
- ☐ Subsurface application
- ☒ Irrigation
- ☐ Subsurface soils absorption
- ☐ Drip irrigation system
- ☐ Subsurface area drip dispersal system
- ☐ Evaporation
- ☐ Evapotranspiration beds
- ☐ Other (describe in detail): Click to enter text.

NOTE: All applicants without authorization or proposing new/amended subsurface disposal MUST complete and submit Worksheet 7.0.

For existing authorizations, provide Registration Number: Click to enter text.

Section 2. Land Application Site(s) (Instructions Page 68)

In table 3.0(1), provide the requested information for the land application sites. Include the agricultural or cover crop type (wheat, cotton, alfalfa, bermuda grass, native grasses, etc.), land use (golf course, hayland, pastureland, park, row crop, etc.), irrigation area, amount of effluent applied, and whether or not the public has access to the area. Specify the amount of land area and the amount of effluent that will be allotted to each agricultural or cover crop, if more than one crop will be used.

Table 3.0(1) – Land Application Site Crops

Crop Type & Land Use	Irrigation Area (acres)	Effluent Application (GPD)	Public Access? Y/N
9000 GPD	4.8 acres	Display agriculture	No

Section 3. Storage and Evaporation Lagoons/Ponds (Instructions Page 68)

Table 3.0(2) – Storage and Evaporation Ponds

Pond Number	Surface Area (acres)	Storage Volume (acre-feet)	Dimensions	Liner Type
1	0.09	0.54	56' x 56' x 14'	Compacted clay

Attach a copy of a liner certification that was prepared, signed, and sealed by a Texas licensed professional engineer for each pond.

Attachment: Click to enter text.

Section 4. Flood and Runoff Protection (Instructions Page 68)

Is the land application site within the 100-year frequency flood level?

☐ Yes ☒ No

If yes, describe how the site will be protected from inundation.

Click to enter text.

Provide the source used to determine the 100-year frequency flood level:

Flood Hazard Boundary Map, Gillespie County. Panel #4806960012A

Provide a description of tailwater controls and rainfall run-on controls used for the land application site.

Pond is banked higher than surrounding area

Section 5. Annual Cropping Plan (Instructions Page 68)

Attach an Annual Cropping Plan which includes a discussion of each of the following items. If not applicable, provide a detailed explanation indicating why. **Attachment:** Attachment T4

- Soils map with crops
- Cool and warm season plant species
- Crop yield goals
- Crop growing season
- Crop nutrient requirements
- Additional fertilizer requirements
- Minimum/maximum harvest height (for grass crops)
- Supplemental watering requirements
- Crop salt tolerances
- Harvesting method/number of harvests
- Justification for not removing existing vegetation to be irrigated

Section 6. Well and Map Information (Instructions Page 69)

Attach a USGS map with the following information shown and labeled. If not applicable, provide a detailed explanation indicating why. **Attachment:** Attachment T5

- The boundaries of the land application site(s)
- Waste disposal or treatment facility site(s)
- On-site buildings
- Buffer zones
- Effluent storage and tailwater control facilities
- All water wells within 1-mile radius of the disposal site or property boundaries
- All springs and seeps onsite and within 500 feet of the property boundaries
- All surface waters in the state onsite and within 500 feet of the property boundaries
- All faults and sinkholes onsite and within 500 feet of the property

List and cross reference all water wells located within a half-mile radius of the disposal site or property boundaries shown on the USGS map in the following table. Attach additional pages as necessary to include all of the wells.

Table 3.0(3) – Water Well Data

Well ID	Well Use	Producing? Y/N	Open, cased, capped, or plugged?	Proposed Best Management Practice
5752106	Livestock, irrigation	Y	cased	
5751302	Unused	N	plugged	
5751303	PWS	Y	cased	
5751311	Stock	Y	cased	
5751310	Stock	Y	cased	

Well ID	Well Use	Producing? Y/N	Open, cased, capped, or plugged?	Proposed Best Management Practice
5751315	Irrigation	Y	Cased	

If water quality data or well log information is available please include the information in an attachment listed by Well ID.

Attachment: Attachment T6

Section 7. Groundwater Quality (Instructions Page 69)

Attach a Groundwater Quality Technical Report which assesses the impact of the wastewater disposal system on groundwater. This report shall include an evaluation of the water wells (including the information in the well table provided in Item 6. above), the wastewater application rate, and pond liners. Indicate by a check mark that this report is provided.

Attachment: N/A

Are groundwater monitoring wells available onsite? ☐ Yes ☐ No

Do you plan to install ground water monitoring wells or lysimeters around the land application site? ☐ Yes ☒ No

If yes, provide the proposed location of the monitoring wells or lysimeters on a site map.

Attachment: N/A

Section 8. Soil Map and Soil Analyses (Instructions Page 70)

A. Soil map

Attach a USDA Soil Survey map that shows the area to be used for effluent disposal.

Attachment: Attachment T7

B. Soil analyses

Attach the laboratory results sheets from the soil analyses. **Note:** for renewal applications, the current annual soil analyses required by the permit are acceptable as long as the test date is less than one year prior to the submission of the application.

Attachment: Attachment T8

List all USDA designated soil series on the proposed land application site. Attach additional pages as necessary.

Table 3.0(4) – Soil Data

Soil Series	Depth from Surface	Permeability	Available Water Capacity	Curve Number
Vac, Vashti Campair	0-14 Loamy fine sand	2.0 – 6.3 inches/ hour	0.07 -0.10 inches per inch of soil	71
Vac, Vashti Campair	14- 48 Sandy Clay Loam	2.0 – 6.3 inches/ hour	0.07 -0.10 inches per inch of soil	71

Soil Series	Depth from Surface	Permeability	Available Water Capacity	Curve Number
Vac, Vashti Campair	38 - 40 strongly cemented sandstone	2.0 - 6.3 inches/ hour	0.07 -0.10 inches per inch of soil	71

Section 9. Effluent Monitoring Data (Instructions Page 71)

Is the facility in operation?

☒ Yes ☐ No

If no, this section is not applicable and the worksheet is complete.

If yes, provide the effluent monitoring data for the parameters regulated in the existing permit. If a parameter is not regulated in the existing permit, enter N/A.

Table 3.0(5) – Effluent Monitoring Data

Date	30 Day Avg Flow MGD	BOD5 mg/l	TSS mg/l	pH	Chlorine Residual mg/l	Acres irrigated
6/24	669.67	2.56	47.87	8.4	5.37	1.5
5/24	1048.93	<1.0	48	7.2	4.11	1.5
4/24	180	2.19	62.83	8.4	3.6	1.5
3/24	154.44	3.9	58.97	8.6	3.43	1.5
2/24	156.78	3	68.62	8.3	4.73	1.5
1/24	17.79	5.49	54.86	8.1	5.32	1.5
12/23	114.48	3.4	45.47	8.4	5.85	1.5
11/23	160.34	2.33	36.79	8.5	5.97	1.5
10/23	289.66	7.79	33.9	8.2	5.01	1.5
9/23	557.93	4.58	43.3	8.8	4.65	1.5
8/23	703	<1.0	32.26	8.8	4.51	1.5
7/23	1492.48	2.76	32.45	8.2	4.29	1.5
6/23	845.36	3.6	33.93	8.7	3.7	1.5
5/23	936.9	6.07	32.7	8.2	3.08	1.5

Date	30 Day Avg Flow MGD	BOD5 mg/l	TSS mg/l	pH	Chlorine Residual mg/l	Acres irrigated
4/23	367	<1.0	28.23	8.4	4.07	1.5
3/23	357.42	7.16	26.48	8.1	3.65	1.5
2/23	282.96	1.57	29.73	8.3	3.49	1.5
1/23	173.79	1.67	31.8	8.1	5.33	1.5
12/22	350.77	5.3	30.74	8.9	6.09	1.5
11/22	243.97	3.24	27.31	8.8	5.53	1.5
10/22	350	2.3	24.24	8	5.02	1.5
9/22	830.69	3.55	25.86	7.8	5.3	1.5
8/22	705.81	<1.0	30.29	7.5	3.55	1.5
7/22	860.81	<1.0	33.68	8.6	3.73	1.5

Provide a discussion of all persistent excursions above the permitted limits and any corrective actions taken.

Click to enter text.

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

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

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
N/A				

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.

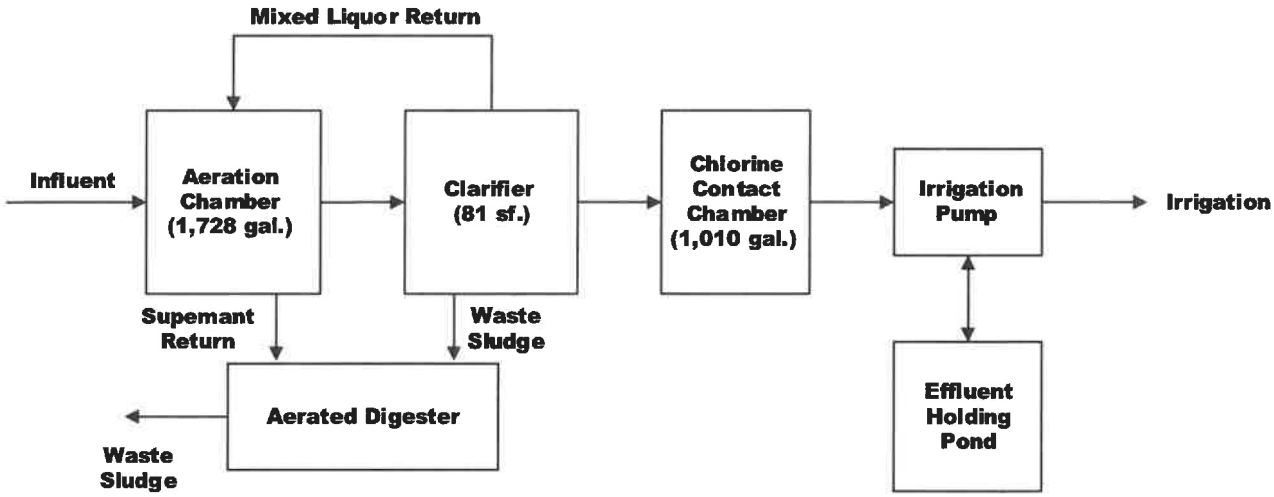
N/A

Attachment T1

Flow Diagram

Permit No. WQ0011480001

Flow Diagram
LBJ State Historical Park



Attachment T2

Site Drawing

Permit No. WQ0011480001

TPWD LBJ State Park
WQ0011480001

Attachment T3

Sludge Agreement Memo

Permit No.

WQ0011480001

TEXAS PARKS & WILDLIFE

Life's better outside.®

August 22, 2024

Application Review and Processing Team
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, Texas 78711-3087

Re: LBJ State Park WWTF
TCEQ Permit/ID No. WQ0011480001
Permit Renewal Application

Concerning the permit renewal application for the Texas Parks and Wildlife Department (TPWD) LBJ State Park Wastewater Treatment Facility (WWTF). Please note that disposal site information as required by the Technical Report, Form No. 10054, Section 9, Sludge and Biosolids Management and Disposal, is unavailable at this time. The City of Fredericksburg, which previously accepted the WWTF sludge, no longer accepts sludge from outside wastewater plant facilities. The LBJ State Park WWTF is currently in the process of identifying an alternative facility to accept its sludge.

If you have any questions concerning the soil analysis, please contact me at (512) 389-4301.

Sincerely,

James Harden
Facilities Management Director

JH

4200 SMITH SCHOOL ROAD
AUSTIN, TEXAS 78744-3291
512.389.4800
www.tpwd.texas.gov

Attachment T4

Effluent Results

Permit No. WQ0011480001

Lab Report

Upper Guadalupe River Authority

Date: *5/6/2024*

125 Lehmann Dr. Suite 100, Kerrville, TX 78028
(830) 896-5445
TCEQ State Lab ID: T104704283

CLIENT: LBJ State Park
PO Box 238
Stonewall , TX 78671
stephen.abbott@tpwd.texas.gov
Ph: 8306448015

Lab Order: 2404418

Project: LBJ State Park
System ID No: Private

Lab ID: 2404418-001 **Collection Date/Time:** 4/23/2024 11:58
Sample Site: 2920 RR 1 Stonewall TX 78671 **Source:**
Sampled By: Stephen Abbott **Sample Type:**
Field Cl2 Total: NA **Field Cl2 Free:** 4.1 mg/L

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
BACTERIA MPN BY QUANTITRAY		**Method : SM 9223 B (N)**				
E. coli (enumeration) (N)	< 1	1.000		MPN/100ml	1	4/23/2024 3:20:00 PM
Total coliforms (enumeration)	< 1	1.000		MPN/100ml	1	4/23/2024 3:20:00 PM
CBOD, 5 DAY, 20°C		**Method : SM 5210 B (N)**				
Carbonaceous Biochemical Oxygen Demand	<2	2.0	Q	mg/L	1	4/25/2024 12:36:00 PM
CHLORIDE		**Method : EPA 300.0 (N)**				
Chloride	170	10		mg/L	50	4/23/2024 7:19:00 PM
CONDUCTIVITY		**Method : SM 2510 B (N)**				
Conductivity	1780	10.0		µS/cm@25°C	1	4/25/2024
NITRATE AS N		**Method : EPA 300.0 (N)**				
Nitrogen, Nitrate	120	2.0		mg/L	50	4/23/2024 7:19:00 PM
PHOSPHOROUS, TOTAL		**Method : SM4500PE (N)**				
Phosphorous, Total	13.05	0.050	Q	mg/L	1	5/6/2024
PH		**Method : SM 4500-H+ (N)**				
pH	6.8	0.1	Q	pH units	1	4/23/2024 3:17:00 PM
SUBCONTRACTED TESTING WAS PERFORMED		**Method : SUBCONTRACTED TESTING**				
Subcontracted tests, see original report	see below	0			1	5/1/2024
SULFATE		**Method : EPA 300.0 (N)**				
Sulfate	42	10		mg/L	50	4/23/2024 7:19:00 PM

Quality Control sample results available upon request.

Suffix : (N) - NELAP Accredited Analysis

Qualifiers: Q - Data qualified: see Case Narrative. All required Quality Control was acceptable unless the result is flagged with a "Q" or otherwise noted in the Case Narrative.

Abbreviations : PQL – Practical Quantitation Limit; DF – Dilution Factor

Upper Guadalupe River Authority

Date: *5/6/2024*

125 Lehmann Dr. Suite 100, Kerrville, TX 78028
(830) 896-5445
TCEQ State Lab ID: T104704283

CLIENT:	LBJ State Park	**Lab Order:**	2404418
	PO Box 238		
	Stonewall , TX 78671		
	stephen.abbott@tpwd.texas.gov		
	Ph: 8306448015		
Project:	LBJ State Park		
System ID No:	Private		

TOTAL DISSOLVED SOLIDS		**Method : SM 2540 C (N)**				
Residue-filterable (TDS)	1184	50		mg/L	1	4/29/2024
TOTAL SUSPENDED SOLIDS		**Method : SM 2540 D (N)**				
Solids, Total Suspended	5.5	3.10	Q	mg/L	1	4/23/2024

Signature: Nicole Shepherd
Nicole Shepherd, Lab Manager

Test Methods: Standard Methods for the Examination of Water and Wastewater; EPA Methods for Water and Wastewater; ASTM Int'l Standard Test Methods; Hach Methods

NELAP Accredited by TCEQ
For a list of Fields of Accreditation and current NELAP certificate, visit the Lab Services section of www.ugra.org

Confidentiality Statement: his is a confidential report for use by the addressed customer or authorized agent. This report may not be reproduced except in full.

Compliance Statement: All laboratory analyses performed in connection with the generation of the data set forth in this report were undertaken in accordance with requirements applicable to the laboratory methods used, unless otherwise noted in an attached Case Narrative. Any known problems/ anomalies observed by this laboratory (and if applicable, laboratories subcontracted through this laboratory) that might affect the quality of the data have been identified in the Case Narrative. Results shown relate only to the samples tested. Any known problems associated with the quality of the samples have been identified in the Case Narrative. All required Quality Control associated with the samples was acceptable unless the result is qualified with a "Q" flag or otherwise noted in the Case Narrative. The use of the measured values in this report for regulatory compliance purposes must be evaluated by, and is solely the responsibility of, the customer.

Quality Control sample results available upon request.

Suffix : (N) - NELAP Accredited Analysis

Qualifiers: Q - Data qualified: see Case Narrative. All required Quality Control was acceptable unless the result is flagged with a "Q" or otherwise noted in the Case Narrative.

Abbreviations : PQL – Practical Quantitation Limit; DF – Dilution Factor

pH: Sample was received at laboratory for pH analysis after the 15 minute holding time had expired. Sample pH measured at 20.3 degrees Celsius.

Analysis of the following test(s) was performed by A and B Environmental Services Houston (NELAP Certificate No. T104704213 exp 3-31-2025, TCEQ Lab Approval ID T104704213):Ammonia, Oil and Grease
The original report for the subcontracted testing follows this case narrative.

CBOD: Sample run over 48 hour hold time.

TSS: The LCS duplicate failed outside of the acceptable 20% RPD range. Results may be biased slightly high.

Total Phos: LOQ failed outside of the 70-130%. Results may be biased slightly high.

Laboratory Analysis Report

Total Number of Pages: 8

Job ID : 24043131

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name :
2404418 / LBJ State Park

Report To :	Client Name:	UGRA - Upper Guadalupe River Authority	P.O.#.: 4753
	Attn:	Nicole Shepherd	Sample Collected By: Stephen Abbott
	Client Address:	125 Lehmann Dr. Suite 100	Date Collected: 04/23/24
	City, State, Zip:	Kerrville, Texas, 78028	

A&B Labs has analyzed the following samples...

Client Sample ID	Matrix	A&B Sample ID
2920 RR1 Stonewall TX 78671	Water	24043131.01

Released By: Senthilkumar Sevukan
Title: Vice President Operations
Date: 4/30/2024

This Laboratory is NELAP (T104704213-23-31) accredited. Effective: 04/01/2024; Expires: 03/31/2025
Scope: Non-Potable Water, Drinking Water, Air, Solid, Biological Tissue, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

ab-q210-0321

Date Received : 04/26/2024 09:45

LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 24043131

Date: 4/30/2024

General Term Definition

Back-Wt	Back Weight	MQL	Unadjusted Minimum Quantitation Limit
BRL	Below Reporting Limit	Post-Wt	Post Weight
cfu	colony-forming units	ppm	parts per million
Conc.	Concentration	Pre-Wt	Previous Weight
D.F.	Dilution Factor	Q	Qualifier
Front-Wt	Front Weight	RegLimit	Regulatory Limit
J	Estimation. Below calibration range but above MDL	RLU	Relative Light Unit
LCS	Laboratory Check Standard	RPD	Relative Percent Difference
LCSD	Laboratory Check Standard Duplicate	RptLimit	Reporting Limit
LOD	Limit of detection adjusted for %M + DF	SDL	Sample Detection Limit
LOQ	Limit of Quantitation adjusted for %M + DF	surr	Surrogate
MS	Matrix Spike	T	Time
MSD	Matrix Spike Duplicate	TNTC	Too numerous to count
MW	Molecular Weight	UQL	Unadjusted Upper Quantitation Limit

Qualifier Definition

LABORATORY TEST RESULTS

Job ID : 24043131

Date 4/30/2024

Client Name: UGRA - Upper Guadalupe River Authority

Attn: Nicole Shepherd

Project Name: 2404418 / LBJ State Park

Client Sample ID: 2920 RR1 Stonewall TX 78671

Job Sample ID: 24043131.01

Date Collected: 04/23/24

Sample Matrix Water

Time Collected: 11:58

Other Information:

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
EPA 1664B									
	Oil & Grease	BRL	mg/L	11.1	27.8			04/29/24 09:25	SG
EPA 350.1									
	Ammonia as N	BRL	mg/L	1	0.1			04/29/24 12:37	SKC

ab-q212-0321

QUALITY CONTROL CERTIFICATE

Job ID : 24043131 **Date :** 4/30/2024

Analysis : **Method :** **EPA 1664B** **Reporting Units :** **mg/L**

QC Batch ID : Qb24042919 **Created Date :** 04/29/24 **Created By :** Sgarcia

Samples in This QC Batch : 24043131.01

Sample Preparation : PB24042905 **Prep Method :** EPA 1664B **Prep Date :** 04/29/24 04:00 **Prep By :** Sgarcia

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Oil & Grease		BRL	mg/L	1	2.50		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Oil & Grease	40	37.0	92.5	40	35.4	88.5	4.4	11	78-114	

QC Type: MS and MSD
QC Sample ID: 24043085.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Oil & Grease	BRL	40	38.6	94.4						78-114	

QUALITY CONTROL CERTIFICATE

Job ID : 24043131 **Date :** 4/30/2024

Analysis : **Method :** **EPA 350.1** **Reporting Units :** **mg/L**

QC Batch ID : Qb24042954 **Created Date :** 04/29/24 **Created By :** Srijan

Samples in This QC Batch : 24043131.01

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Ammonia as N	NH3-N	BRL	mg/L	1	0.1		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Ammonia as N	1	1.0224	102	1	1.0231	102	0.1	20	90-110	

QC Type: MS1 and MSD1
QC Sample ID: 24042957.01

Parameter	Sample Result	MS1 Spk Added	MS1 Result	MS1 % Rec	MSD1 Spk Added	MSD1 Result	MSD1 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Ammonia as N	BRL	1	1.0565	106	1	1.0570	106	0	10	90-110	

QC Type: MS2 and MSD2
QC Sample ID: 24043034.01

Parameter	Sample Result	MS2 Spk Added	MS2 Result	MS2 % Rec	MSD2 Spk Added	MSD2 Result	MSD2 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Ammonia as N	BRL	1	1.0108	101	1	1.0064	101	0.4	10	90-110	

Job ID:24043131

04/28/2024 UGRA - Upper Guadalupe ANA

ablabs.com

# of Custody

The Chain of Custody is a Legal Document

REPORT TO:		2. INVOICE TO:	
Company:	UGRA - Upper Guadalupe River Authority	Company:	UGRA
Address:	125 Lehmann Dr. Suite 100, Kerrville,Texas - 78028	Address:	125 Lehmann Dr Suite 100, Kerrville, TX 78028
Contact:	Nicole Shepherd	Contact:	Tommy Thompson
Phone:	(830) 896-5445	Phone:	(830) 896-5445
Fax: ☐		Fax: ☐	
E-mail: ☒	nshepherd@ugra.org	E-mail: ☐	tthompson@ugra.org

3. PO # 4753

3a. A&B Quote #

4. Turnaround Time (Business Days)

☐ 1 Day* ☐ Other:
☐ 2 Days*
☐ 3 Days* *Surcharge applies
☑ 7 Days - Standard

A&B JOB ID #

3. Project # 2404418

6. Project Name/Location: LBJ State Park

7. Reporting Requirement:

☐ TRRP Limits Only ☐ TRRP Rpt. Package ☐ See Attached ☐ Standard Level II ☐ PST ☐ MOL ☐ EDD

8. Sampler's Name & Company (PLEASE PRINT): Stephen Abbott

Sampler's Signature & Date:

13. 14. Containers*: P, P
15. Preservatives**: S, T
16. A&B Lab Only
17. Analyses/Methods: Ammonia, Oil & Grease

A&B USE ONLY	9. Sample ID and Description	10. Sampling Date	Time 24hr	11. Comp.	Grab	12. Matrix: Water	Soil	Sludge	DI	Drinking Water	Air	Other	No. of Containers	Ammonia	Oil & Grease	18. REMARKS
01AB	2920 RR1 Stonewall TX 78671	4-23-24	1158		✓	✓							2	✓	✓	

19. RELINQUISHED BY	DATE	TIME	20. RECEIVED BY	DATE	TIME
Nicole Shepherd	4/25/24	1700	Fed Ex	4/25/24	1700
FedEx	4/26/24	9:45	Meg C...	4/26/24	9:45

21. KNOWN HAZARDS/COMMENTS

Temperature: 1.3 °C
Thermometer: IR5
Intact: (Y) or N Initials: MC

* Containers: VOA - 40 ml vial; A/G - Amber/Glass 1 Liter; 4 oz/8 oz - glass wide mouth; P/O - Plastic/Other

** Preservatives: C - Cool; H - HCl; N - HNO3; S - H2SO4; OH - NaOH; T - NA2S2O3; X - Other

METHOD OF SHIPMENT: FedEx

BILL OF LADING/TRACKING # 816461236250

A&B Cannot accept verbal changes. Please FAX written changes to 713-453-6091

LAB USE ONLY SAMPLING ______ RENTAL ______ P/U ______

Samples will be disposed of after 30 days. A&B reserves the right to return samples

ORIGIN ID:EVAA (090) 886-5445
A & B ENVIRONMENTAL SERVICES
10100 EAST FWY STE 100
HOUSTON, TX 77029
UNITED STATES US

SHIP DATE: 25APR24
ACTWGT: 15.10 LB
CAD: 8994080/SSFE2500
DIMS: 15x11x14 IN
BILL THIRD PARTY

Part # 158257-495 RRDB EXP 07/24

TO LABORATORY
A&B LABS
10100 E I-10

HOUSTON TX 77029
(713) 453-8060 REF:
INV:
PO: DEPT:

FedEx Express

TRK# 0200 8164 6123 6250

FRI - 26 APR 5:00P
STANDARD OVERNIGHT
AHS
77029
TX-US IAH

43 HBYA

Sample Condition Checklist

A&B JobID : **24043131**	Date Received : **04/26/2024**	Time Received : **9:45AM**
Client Name : **UGRA - Upper Guadalupe River Authority**		
Temperature : **1.3°C**	Sample pH : **<2 NH3**	
Thermometer ID : **IR5**	pH Paper ID : **115062**	
Perservative :	Lot# :	

	Check Points	Yes	No	N/A
1.	**Cooler Seal present and signed.**		X	
2.	**Sample(s) in a cooler.**	X		
3.	**If yes, ice in cooler.**	X		
4.	**Sample(s) received with chain-of-custody.**	X		
5.	**C-O-C signed and dated.**	X		
6.	**Sample(s) received with signed sample custody seal.**		X	
7.	**Sample containers arrived intact. (If No comment)**	X		
8.	**Matrix:** Water ☑ Soil ☐ Liquid ☐ Sludge ☐ Solid ☐ Cassette ☐ Tube ☐ Bulk ☐ Badge ☐ Food ☐ Other ☐			
9.	**Samples were received in appropriate container(s)**		X	
10.	**Sample(s) were received with Proper preservative**	X		
11.	**All samples were tagged or labeled.**	X		
12.	**Sample ID labels match C-O-C ID's.**	X		
13.	**Bottle count on C-O-C matches bottles found.**	X		
14.	**Sample volume is sufficient for analyses requested.**	X		
15.	**Samples were received with in the hold time.**	X		
16.	**VOA vials completely filled.**			X
17.	**Sample accepted.**	X		
18.	**Has client been contacted about sub-out**			X

Comments : Include actions taken to resolve discrepancies/problem:

Sx02 received in 1-1L plastic preserved with H2SO4, innappropriate container for O&G. ~DG 4/26/24

Brought by : FedEx

Received by : EValdez

Check in by/date : EValdez / 04/26/2024

ab-s005-1123

New

LBJ State Park

Upper Guadalupe River Authority Chain of Custody

UGRA Customer Information (please fill out completely) — **Reports will be emailed unless otherwise specified.**

Company Name LBJ STATE PARK	Email Address 1 stephen.abbott@tpwd.texas.gov
Primary Contact STEPHEN ABBOTT	Email Address 2
Alternate Contact	Phone Number
Mailing Address PO BOX 238	Do you need a RUSH (doubles price)?
City STONEWALL State TX Zip 78671	☐ No ☐ Yes
Project/System Name	
Permit/System Number — No Permit (Private)	
Samples Collected By: STEPHEN ABBOTT — Sampler Phone #: 830 644 8015	

rcvd by NS 4/24/24

pH and Dissolved Oxygen measurements should be taken in the field. Measurements taken in a laboratory should be taken within 15 minutes of collection. Since the holding time is nearly impossible to adhere to, please be aware that all pH and DO measurements taken after 15 minutes from collection will be qualified in the reports. Qualified results may not be acceptable for regulatory compliance purposes.

Laboratory Use Only

*Subcontracted To: Ammonia & Oil+Grease to A&B labs

Sample Intact? (Y) N — Ice Present? (Y) N

Container	U1	U2	U2	U2	U4	U2	U2	U2	U3	S
Preservative: ST = Na2S2O3, S = H2SO4, N = HNO3, H = HCl, O = other	ST	NA	NA	NA	ST	NA	NA	NA	NA	
Preservation: ✓ = acceptable		NA	NA	NA						
Preservative Added: type	NA	NA	NA	NA	NA					
Preservative Added: date/time										
Fraction			B	C	A	B	B	C	D	E

Comments:
Date on bottles is 4/23/24. rec 4/23/24

Reporting to a third party? circle one: HCOD TCEQ Lender Other

Sample Source: Drinking Water / Waste Water / Surface Water / Other — Sample Type: Grab / Composite start date/time / other

Please mark tests to be run with an X

Sample Location	*Date	Time	Res. Cl2	Drinking Water	Waste Water	Total Coliform/E. Coli P/A	Standard	BOD or (CBOD) (circle one)	TSS	Total Coliform/E. Coli Counts	Nitrate, Sulfate	Chloride, pH	Cond, TDS	Total phos	Ammonia, Oil&Grease	UGRA Work Order Number
1920 FM 1 Stonewall, TX 78671	4/23/24	11:58 (AM)	4.1 (Free)	Raw	Raw			X	X	X	X	X	X	X	X	2404418-1
		PM	Total	Treated	Effluent											
		AM	Free	Raw	Raw											
		PM	Total	Treated	Effluent											
		AM	Free	Raw	Raw											
		PM	Total	Treated	Effluent											
		AM	Free	Raw	Raw											
		PM	Total	Treated	Effluent											

Relinquished By	Date	Time	Received By	Date	Time
[signature]	4/23/24	2:15			
Relinquished By	Date	Time	Received By [signature]	4/23/24	1418

merch fee +12.96 = 444.96

$ 432.00 ☐ Paid

Cash (CC) Check Ref MC070938

UGRA may subcontract testing to other labs. Subcontracted work will be identified in the report.

UGRA supplied containers: U1 = 120ml Sterile U2 = 2L HPDE no preservative U3 = 250ml HPDE preservative as noted U4 = 250ml Sterile S = bottle from subcontract lab

UGRA Form 101 rev 8 effective 9/1/2021 1 of 1

125 Lehmann Drive, Suite 100 Kerrville, TX 78028 Phone (830) 896-5445 Fax (830) 257-2621

Attachment T5

Annual Cropping Plan

Permit No. WQ0011480001

Annual Cropping Plan

Native grasses will be the cool and warm season plant species

The crop growing season is year-round

Crop nutrient requirements are typical for native grasses

Minimum/maximum harvest height is 6 to 18 inches

There are no additional fertilizer requirements

There are no supplemental watering requirements

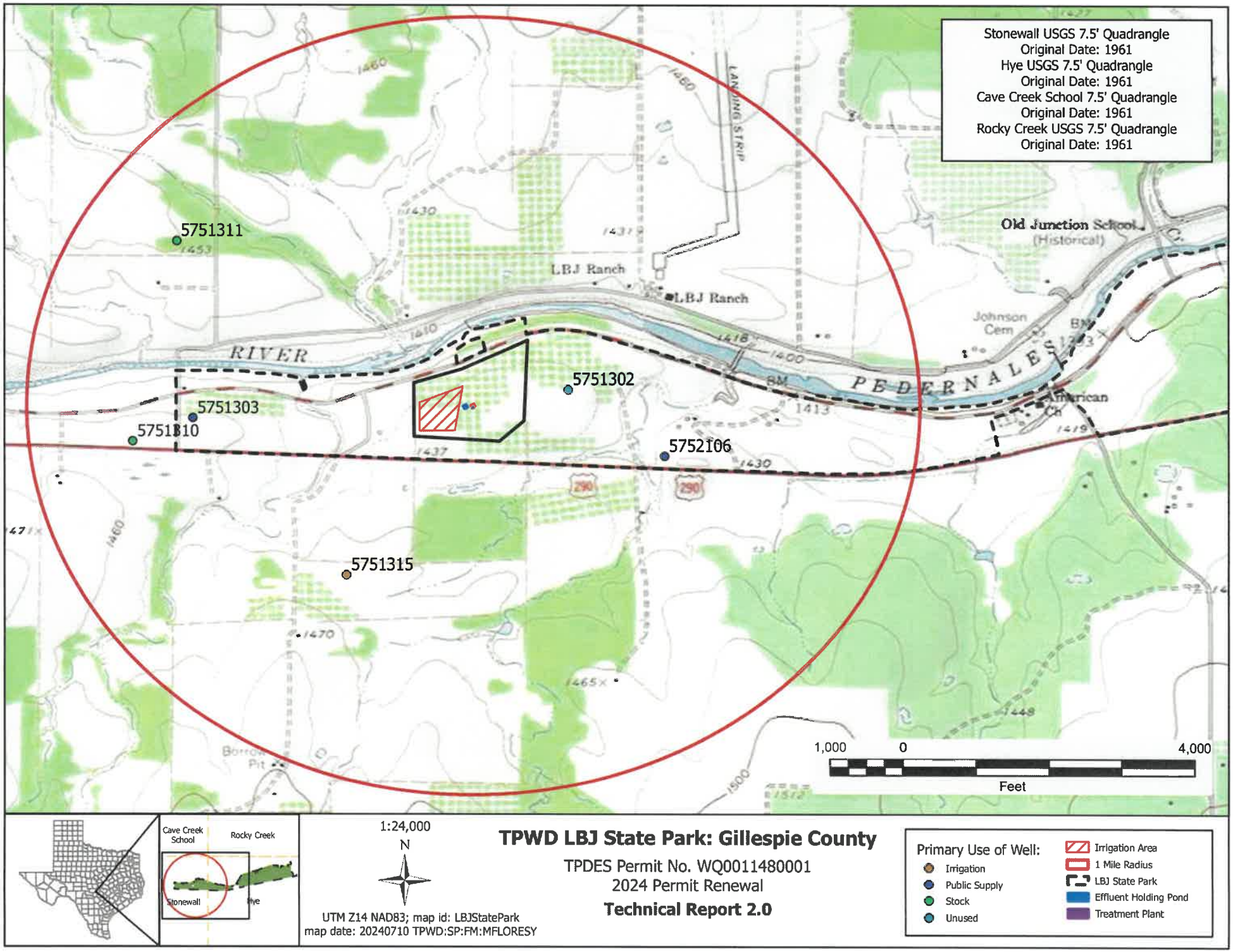
Crop salt tolerances are not problematic

The harvesting method is mowing and bagging at intervals required by the season and weather

Attachment T6

USGS Well Map

Permit No. WQ0011480001


Stonewall USGS 7.5' Quadrangle
Original Date: 1961
Hye USGS 7.5' Quadrangle
Original Date: 1961
Cave Creek School 7.5' Quadrangle
Original Date: 1961
Rocky Creek USGS 7.5' Quadrangle
Original Date: 1961
5751311
5751303
5751310
5751302
5752106
5751315
LBJ Ranch
LBJ Ranch
Old Junction School
(Historical)
RIVER
PEDERNALES
Johnson Cem
American Ch
LANDING STRIP
Borrow Pit
1,000
0
4,000
Feet
Cave Creek School
Rocky Creek
Stonewall
Hye
1:24,000
N
UTM Z14 NAD83; map id: LBJStatePark
map date: 20240710 TPWD:SP:FM:MFLORESY
TPWD LBJ State Park: Gillespie County
TPDES Permit No. WQ0011480001
2024 Permit Renewal
Technical Report 2.0
Primary Use of Well:
Irrigation
Public Supply
Stock
Unused
Irrigation Area
1 Mile Radius
LBJ State Park
Effluent Holding Pond
Treatment Plant

Attachment T7

Well Documents from TWDB

Permit No. WQ0011480001

TEXAS WATER DEVELOPMENT BOARD

WELL SCHEDULE

Aquifer(s) SAN SABA Project No. 6150 State Well No. 57-51-302

371SNSB Field No./Owner's Well No. 3D County Gillespie

1. Location: ___ ¼, ___ ¼, Section ___, Block ___, Survey ___, Lat 30-19-19, Long. 98-37-40

2. Owner: LBJ State Park Headquarters Address: Stonewall, TX 78671

Tenant (other): ___ Address: ___

Driller: Forrest Tatum Address: Austin, TX

3. Land Surface Elevation: 1432 ft. above msl determined by 7½' Topo

4. Drilled: 3-26 19 68; Dug, Cable Tool, Rotary, Air, ___

5. Depth: Rept. 98 ft. Meas. ___ ft.

6. Borehole Completion: Open Hole, Straight Wall, Underreamed, Gravel Packed

7. Pump: Mfr. ___ Type None

No. Stages ___, Bowls Diam. ___ in., Setting ___ ft.

Column Diam. ___ in., Length Tailpipe ___ ft.

8. Motor: Mfr. ___ Fuel ___ HP. ___

9. Yield: Flow ___ gpm, Pump 110 gpm (Meas.) Rept., Est Drlr Date 68

10. Performance Test: Date 4/8/68 Length of Test 8½ hrs Made by Drlr

Static Level ___ ft. Pumping Level ___ ft. Drawdown 11.5 ft.

Production 110 gpm Specific Capacity 9.6 gpm/ft.

11. Quality: (Remarks on taste, odor, color, etc.) ___

Analyses

Date ___ Laboratory ___ TDS ___ Sp Cond ___

Date ___ Laboratory ___ TDS ___ Sp Cond ___

12. Other data available (as circled): Pumping Test, Power & Yield Test, Drillers Log,

Formation Samples, Geophysical Log(s) ___

CASING, BLANK PIPE & WELL SCREEN Cemented From 0 ft. to 79 ft.

Diam. (in.)	Type	Setting (feet) from	to
7	steel	0	80
5	slotted	80	98

13. Water Level(s): 34 ft. rept. meas. 3/26/1968 above below (type) SP which is ___ ft. above below Land Surface

30.75 ft. rept. meas. 6-26 1987 above below Top of Csg which is 1.5 ft. above below Land Surface

14. Use: Dom., Stock, Public Supply, Ind., Irr., Observation, Other (Test Hole, Oil Test, etc.) Not Used

15. Recorded by: J. Derton Source of data: DL + obs Date: 4-9-85

16. Remarks: Well was cemented after completion and the yield was reduced to 9 gpm

17. Location or Sketch:

TWDB-0308 (Rev. 12-11-85)

W/L Obs. Well ___ W/Q Obs. Well ___

State Well No. 57-51-302

Send original copy by certified mail to the Texas Water Development Board
P. O. Box 12386
Austin, Texas 78711

State of Texas

WATER WELL REPORT

For TWDB use only
Well No. 57-51-30
Located on map
Received:

1) OWNER:
Person having well drilled: Texas Parks & Wildlife (Name) Address: Nr. E. Capital St. (Street or RFD) (City) (State)

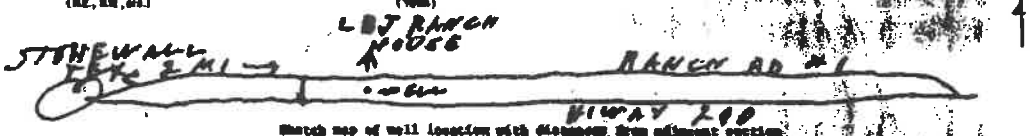
Landowner: (L.B.J.Park) (Name) Address: (Street or RFD) (City) (State)

2) LOCATION OF WELL:
County: GILLESPIE Labor League Abstract No.

NE¼ NW¼ SW¼ SE¼ of Section Block No. Survey
(Circle or cross up to one known)

miles in 1 E (NE, SW, etc.) direction from Stonewall (Town)

NORTH



Sketch map of well location with distances from adjacent section or survey lines, and to landmarks, roads, and creeks.

3) TYPE OF WORK (Check):
New Well ☒ Deepening ☐
Reconditioning ☐ Plugging ☐

4) PROPOSED USE (Check):
Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☒

5) TYPE OF WELL (Check):
Rotary ☒ Driven ☐ Dug ☐
Cable ☐ Jetted ☐ Bored ☐

6) WELL LOG:
Diameter of hole 8 3/4 in. Depth drilled 98 ft. Depth of completed well 98 ft. Date drilled 3/26/68

All measurements made from 0 ft. above ground level.

From (ft.)	To (ft.)	Description and color of formation material	From (ft.)	To (ft.)	Description and color of formation material
0	2	Top soil			
2	18	Red sandy clay & sand			
18	32	Sand (some water)			
32	48	Limestone			
48	53	Limestone with granite boulders			
53	78	Limestone			
78	96	Broken limestone/granite chips			
96	98	Granite			(Use reverse side if necessary)

7) COMPLETION (Check):
Straight wall ☒ Gravel packed ☐ Other ☐
Under reamed ☐ Open hole ☐

8) WATER LEVEL:
Static level 34 ft. below land surface Date 3/28/68
Artesian pressure ___ lbs. per square inch Date

9) CASING:
Type: Old ☐ New ☐ Steel ☒ Plastic ☐ Other ☐
Cemented from 0 ft. to 79 ft.

Diameter (inches)	Setting From (ft.)	Setting To (ft.)	Gage
7 OD	0	80	

10) SCREEN:
Type Mill Sloted,20,000 slots
Perforated ☐ Slotted ☒

Diameter (inches)	Setting From (ft.)	Setting To (ft.)	Slot size
5ID	78	98	20,000

11) WELL TESTS:
Was a pump test made? ☒ Yes ☐ No If yes by whom?
Central Texas Drlg.Co.

Yield: 110 gpm with 11 1/4 drawdown after 8 1/2 hrs
Bailer test ___ gpm with ___ ft. drawdown after ___ hrs
Artesian flow ___ gpm Date 4/8/68
Temperature of water
Was a chemical analysis made? ☐ Yes ☐ No
Did any strata contain undesirable water? ☐ Yes ☐ No
Type of water? ___ depth of strata ___

12) PUMP DATA:
Manufacturer's Name Red Jacket
Type Submersible H.P. 5
Designed pumping rate ___ gpm ☐ gph ☐
Type power unit
Depth to bowls, cylinder, jet, etc., 94 ft. below land surface.

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

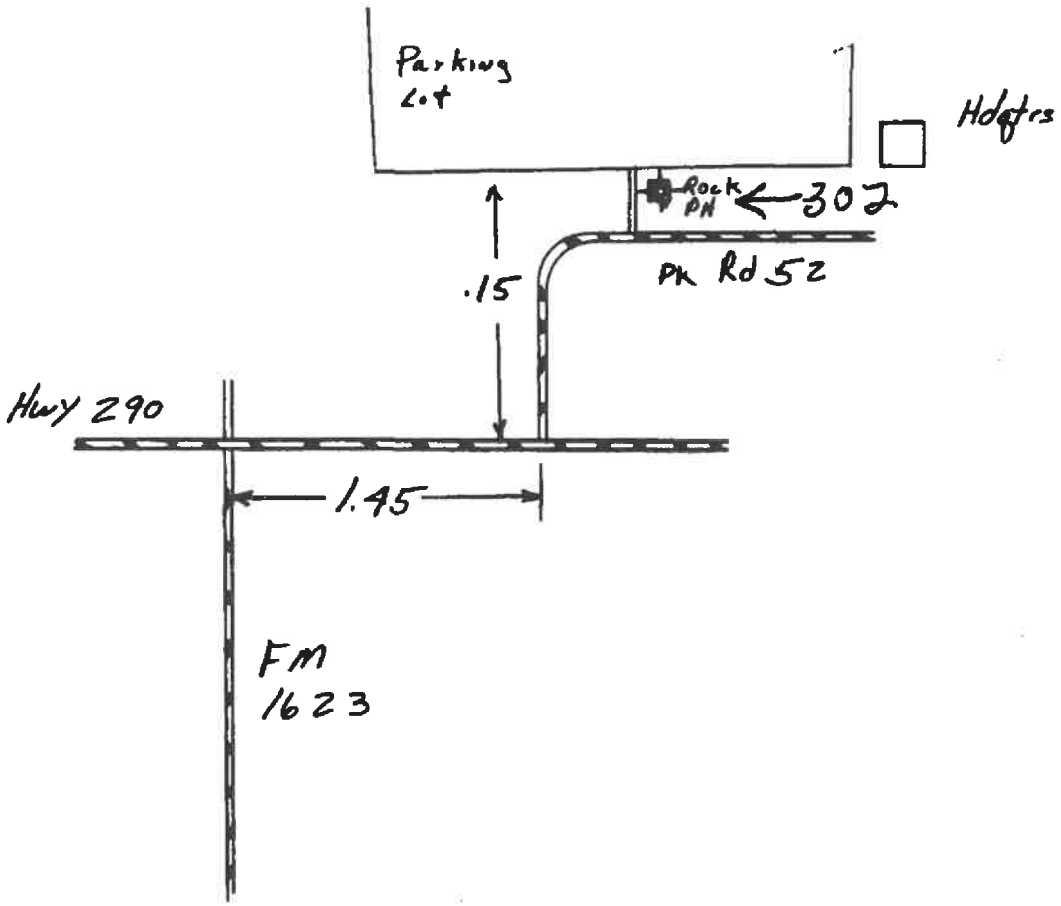
NAME Forrest S. Tatum (Type or Print) Water Well Drillers Registration No. 534

Address P.O.Box 1527 (Street or RFD) Austin (City) Texas (State)

(Signed) Forrest S. Tatum (Water Well Driller) Central Texas Drlg.Co.,Inc. (Company Name)

Please attach electric log, chemical analysis, and other pertinent information, if available.

57-51-302



57-51-302

Typewrite (Black ribbon) or Print Plainly
(soft pencil or black ink)
Do not use ball point pen

Texas Department of Health Laboratories
1100 West 49th Street
Austin, Texas 78756

TDWR ONLY
Organization No. _____ Lab No. [ ]
Work No. _____

CHEMICAL WATER ANALYSIS REPORT

Send report to:

Data Collection and Evaluation Section
Texas Department of Water Resources
P.O. Box 13087
Austin, Texas 78711

Analysis copied from Texas Department of Health Files

County 086 GILLESPIE
State Well No. 57-51-302
_____ Well No. _____
Date Collected 06-11-79

Owner LBJ STATE PARK ___ Send copy to owner Sample No. [ ] By CSP
Address _____ Well Location _____
Date Drilled 1979 Depth 100 ft. WBF _____ Source (type of well) _____
Producing intervals _____ Water level _____ ft. Sample depth [ ] ft.
Sampled after pumping _____ hrs. Yield _____ GPM meas. est. Temperature [ ]°F [ ]°C
Point of collection _____ Appearance ☐ clear ☐ turbid ☐ colored ☐ other
Use _____ Remarks _____

(FOR LABORATORY USE ONLY)

CHEMICAL ANALYSIS

PUNCHED

Laboratory No. _____ Date Received 6-11-79 Date Reported 7-20-79

		MG/L	ME/L
Silica	00955		
Calcium	00910	93	
Magnesium	00920	63	
Sodium	00929	72	
	Total		
☐ Potassium	00937		
☐ Manganese	01055	0.20	
☐ Boron	01022		
☐ Total Iron	01045	1.60	
☐ (other) _____		MG/L	

%Na _____
SAR _____
RSC _____

		MG/L	ME/L
Carbonate	00445	0	
Bicarbonate	00440	431	
Sulfate	00945	136	
Chloride	00940	116	
Fluoride	00951	0.6	
Nitrate	71850	11.30	
pH	00403	8.0	
	Total		
[1] Dissolved Solids (residue at 180°C)	70300	920	
Phenolphthalein Alkalinity as $CaCO_3$	00415	0	
Total Alkalinity as $CaCO_3$	00410	353	
Total Hardness as $CaCO_3$	00900	494	

[3] Nitrogen Cycle

Ammonia - N	00610	
Nitrite - N	00615	
Nitrate - N	00620	
Organic Nitrogen	00605	

Specific Conductance (micromhos/cm³) 00095 _____
Diluted Conductance (micromhos/cm³): _____ x _____ = 1395

" ☐ " items will be analyzed if checked.

[1] The bicarbonate reported in this analysis can be converted by computation (multiplying by 0.4917) to an equivalent amount of carbonate, and the carbonate figure used in the computation of dissolved solids.
[3] Nitrogen cycle requires separate sample.
[4] Total Iron and Manganese require separate sample.

Analyst _____ Checked By _____

TWDB 0148 (Rev.04 07 86)

#2

TEXAS DEPARTMENT OF WATER RESOURCES

WELL SCHEDULE

Aquifer(s) San Saba Ls Project No. 6150 State Well No. 57-51-303

371 SNSB Field No./Owner's Well No. 3G #2 County Gillespie

1. Location: ¼, ¼, Section ____, Block ____, Survey ____, Lat. [redacted]4-11, Long. 98-38-31

2. Owner: Texas Parks & Wildlife Dept Address: Stonewall, Tx 78671

Tenant (other): Maintenance Building Address: Box 238

Driller: Taylor Virdell Address: Llano, Tx

3. Land Surface Elevation: 1490 ft. above msl determined by Topo

4. Drilled: 6-20 19 69; Dug, Cable Tool, Rotary, Air, ____

5. Depth: Rept. 71 ft. Meas. ____ ft.

6. Borehole Completion: Open Hole, Straight Wall, Underreamed, Gravel Packed

7. Pump: Mfr. ____ Type Sub

No. Stages ____, Bowls Diam. ____ in., Setting ____ ft.

Column Diam. ____ in., Length Tailpipe ____ ft.

8. Motor: Mfr. ____ Fuel Elec HP. ____

9. Yield: Flow ____ gpm, Pump 208 gpm, Meas., Rept., Est. Date 69

10. Performance Test: Date ____ Length of Test ____ Made by ____

Static Level ____ ft. Pumping Level ____ ft. Drawdown ____ ft.

Production ____ gpm Specific Capacity ____ gpm/ft.

11. Quality: (Remarks on taste, odor, color, etc.) ____

Analyses

Date 5-19-85 Laboratory TDWR TDS ____ Sp Cond 900

Date ____ Laboratory ____ TDS ____ Sp Cond ____

12. Other data available (as circled): Pumping Test, Power & Yield Test, Drillers Log,

Formation Samples, Geophysical Log(s) ____ (type)

CASING, BLANK PIPE & WELL SCREEN
Cemented From ____ ft. to ____ ft.

Diam. (in.)	Type	Setting (feet) From	to
6 5/8	steel		71
8	steel	0	42

X 13. Water Level(s): ____ ft. rept. meas. ____ 19 ____ above below ____ which is 2.00 ft. above below Land Surface

35.40 ft. rept. meas. 6-26 1987 above below ____ which is 2.00 ft. above below Land Surface

14. Use: Dom., Stock, Public Supply, Ind., Irr., Observation, Other (Test Hole, Oil Test, etc.) ____

15. Recorded by: J. Derton Source of data: DL + obs Date: 4-9-85

16. Remarks: * pumping on arrival

17. Location or Sketch:

TDWR-0308

W/L Obs. Well ___ W/Q Obs. Well ___

State Well No. 57-51-303

Send original copy by certified mail to the Texas Water Development Board P. O. Box 12386 Austin, Texas 78711

State of Texas

WATER WELL REPORT

For TWDB use only
Well No. [illegible]
Located on map [illegible]
Received: [illegible]
Form WR 8
Form WR 9

1) OWNER:
Person having well drilled Texas Parks & Wildlife Dept. (Name) Address Stonewall, Texas (Street or RFD) (City) (State)

Landowner " (Name) Address " (Street or RFD) (City) (State)

2) LOCATION OF WELL:
County Gillespie Labor League Abstract No.

NW¼ NE¼ SW¼ SE¼ of Section Block No. Survey
(Circle or carry as one terms)

miles in (NE, SW, etc.) direction from (Town)

NORTH

Sketch map of well location with distances from adjacent section or survey lines, and to landmarks, roads, and creeks.

3) TYPE OF WORK (Check):
New Well ☒ Deepening ☐
Reconditioning ☐ Plugging ☐

4) PROPOSED USE (Check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

5) TYPE OF WELL (Check):
Rotary ☒ Driven ☐ Dug ☐
Cable ☐ Jetted ☐ Bored ☐

6) WELL LOG:
Diameter of hole 6-1/8 in. Depth drilled 71 ft. Depth of completed well 71 ft. Date drilled 8/20/69
All measurements made from 0 ft. above ground level.

From (ft.)	To (ft.)	Description and color of formation material	From (ft.)	To (ft.)	Description and color of formation material
0	2	top soil	65	71	honeycombed limerock
2	8	caliche			
8	16	sand & caliche			
16	18	broken limerock & boulders			
18	21	gravel			
21	24	white limerock			
24	60	white limerock w/red clay steaks			
60	65	open cavity			(Use reverse side if necessary)

7) COMPLETION (Check):
Straight wall ☐ Gravel packed ☐ Other ☐
Under reamed ☐ Open hole ☒

8) WATER LEVEL:
Static level ft. below land surface Date
Artesian pressure lbs. per square inch Date

9) CASING:
Type: Old ☐ New ☒ Steel ☒ Plastic ☐ Other ☐
Cemented from ft. to ft.

Diameter (inches)	Setting From (ft.)	Setting To (ft.)	Gage
6-5/8	+2	71	
8"	0	42	.141

10) SCREEN:
Type
Perforated ☐ Slotted ☐

Diameter (inches)	Setting From (ft.)	Setting To (ft.)	Slot size

11) WELL TESTS:
Was a pump test made? ☒ Yes ☐ No If yes by whom?
Community Service, Mason Texas
Yield: 208 gpm with ft. drawdown after hrs
Bailer test gpm with ft. drawdown after hrs
Artesian flow gpm Date
Temperature of water
Was a chemical analysis made? ☐ Yes ☒ No
Did any strata contain undesirable water? ☐ Yes ☒ No
Type of water? depth of strata

12) PUMP DATA:
Manufacturer's Name
Type H.P.
Designed pumping rate gpm ☐ gph ☐
Type power unit
Depth to bowls, cylinder, jet, etc., ft. below land surface.

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

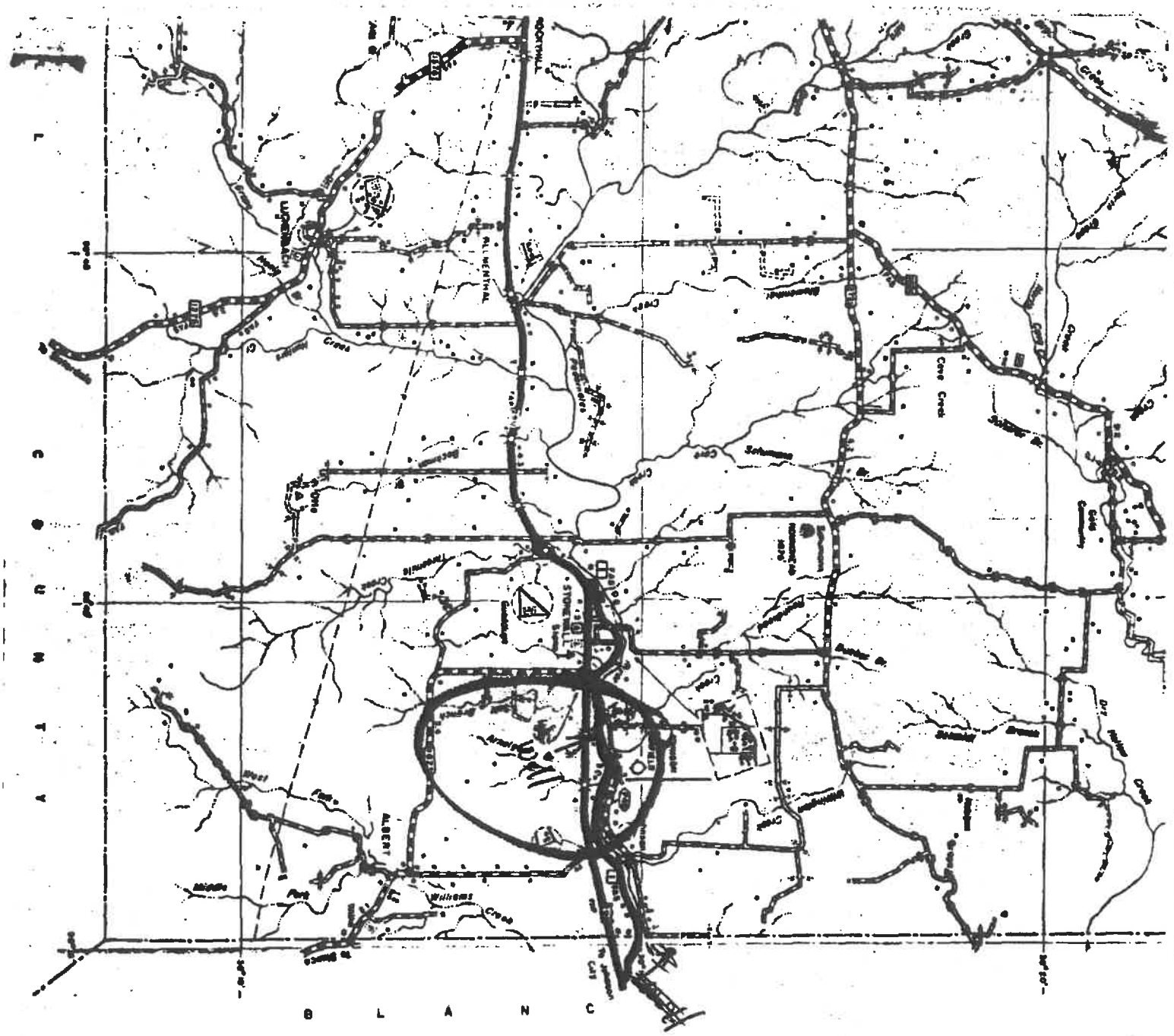
NAME Taylor Virdell (Type or Print) Water Well Drillers Registration No. 240

Address Llano, Texas (Street or RFD) (City) (State)

(Signed) (Water Well Driller) Virdell Brothers Drilling Company (Company Name)

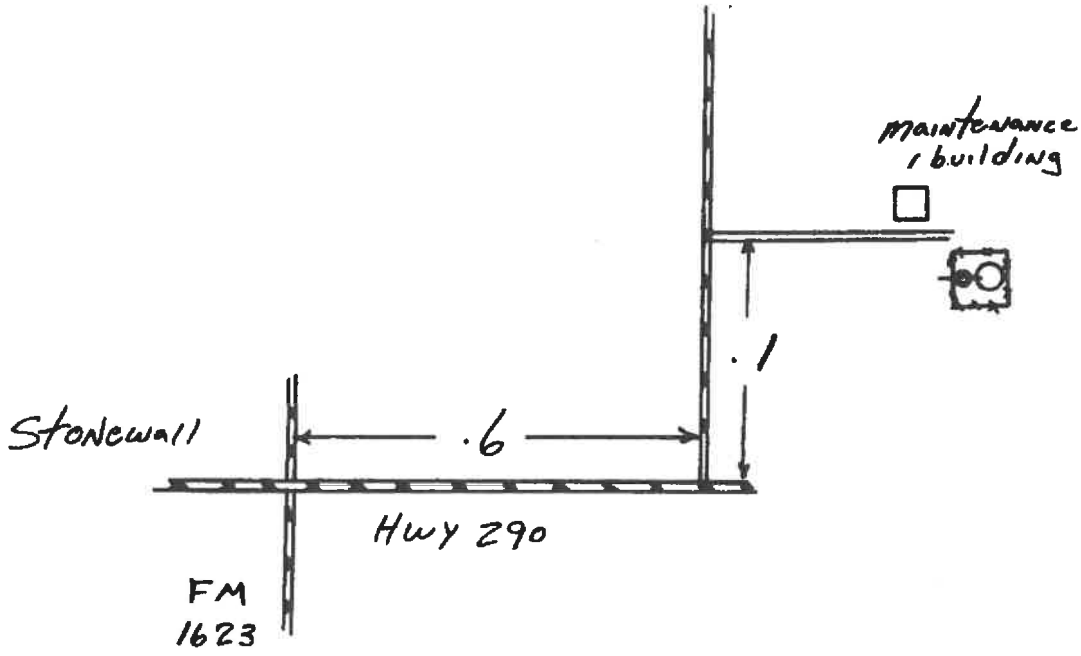
Please attach electric log, chemical analysis, and other pertinent information, if available.

KK 57-51-303



KK 57-51-303

Portion of:
General Highway Map
GILLESPIE COUNTY TEX.
#87



57-51-303

Typewrite (Black ribbon) or Print Plainly
(soft pencil or black ink)
Do not use ball point pen

Texas Department of Health Laboratories
1100 West 49th Street
Austin, Texas 78756

TWDB ONLY
Organization No. 914 Lab No. 01
Work No. 6044 - IAC (86-87) 0838

CHEMICAL WATER ANALYSIS REPORT

Send Reply To:
Water Availability Data and Studies Section
Texas Water Development Board
Stephen F. Austin Building
1700 Congress Ave.
Austin, Texas 78711
Attn: Gerald Bowman Rm. 430C

County 086 Gillespie
State Well No. 57-51-303
Well No.
Date Collected 06-25-86

Owner Texas Parks & Wild life Dept ✓ Send copy to owner Sample No. By Wes McCoy
Address Box 238 Stonewall, Tx 78671 Well Location
Date Drilled 6-20-69 Depth 71 ft. WBF San Saba Ls. Source (type of well)
Producing intervals 42-71 Water level UTM ft. Sample depth ft.
Sampled after pumping 10 min hrs. Yield GPM meas. est. Temperature °F 22 °C
Point of collection faucet on well head Appearance ☑ clear ☐ turbid ☐ colored ☐ other
Use Ind Remarks Field Cond = 830 µmhos/cm³

(FOR LABORATORY USE ONLY)

CHEMICAL ANALYSIS

14 Laboratory No. [redacted]
Date Received JUN 27 '86
Date Reported JUL 15 '86

KEY PUNCHED

WATER ANALYSIS
State Well No:57-51-303 Date:071186 Sample No:EB6-1105

	MG/L	ME/L		MG/L	ME/L
Silica:00955:	17		Carbonate:00445:	0	0
Calcium:00910:	96	4.80	Bicarbonate:00440:	467	7.66
Magnesium:00920:	42	3.44	Sulfate:00945:	24	.50
Sodium:00929:	24	1.04	Chloride:00940:	34	.96
Potassium:00937:	2	.05	Fluoride:00951:	.3	.02
T.Cations		9.33	Nitrate as NO3:71850:	12.23	.2
Manganese:01055:		%Na	T. Anions		9.33
			pH:00403:	8.0	
Boron:01022:		SAR			
			180 deg TDS:70300:	494	
Total Iron:01045:		RSC	P. Alk.:00415:	0	
Other			T. Alk.:00410:	383	
(Specific Cond.:00095:		713	T. Hardness:00900:	412	

Diluted Conductance (micromhos/cm3)
6 x154 =924

Ammonia-N:00610:
Nitrite-N:00615:
Nitrate-N:00620:
OrganicNitrogen:00605:

__ items will be analyzed if checked.

TWDB-0811 (Rev.02-27-86)

TWDB Water Quality Field Data Sheet

New Well: yes / (no)

State Well Number: 57-51-303

County: Gillespie

County Code: 171

Aquifer Code: 371 SNSR

Aquifer Id: 14

Send Results To: Owner / Lessee

Owner's Name: Tx. Parks & Wildlife Dept.

Lessee's Name:

Attention:

Mailing Address: P.O. Box 238

Stonewall, Tx 78671

Well Number: 2

Type of Sample: LCRA / HACH

Sample Number: 365

Date: 8/15/01

Sampler(s): D.R.(Doc) Jones

CIRCLE BOTTLES TAKEN:

(1) (on ice)	2	(3) (on ice)	4 (on ice)	(5)
500ml (filtered)	500ml (filtered)	250ml (filtered)	40 ml (unfiltered)	1L (unfiltered)
Anions / Total Alkalinity	Cations	Nitrate/Nitrite	Atrazine	Radioactivity
no preservative	2ml Nitric (HNO_3)	0.5 ml Sulfuric (H_2SO_4)	no preservative	3 ml Nitric (HNO_3)

Add enough of the proper acid to each bottle that is preserved to drop the pH to 2.

Daily Meter Calibration:

pH	7	7.01
Slope 55 %	4 or 10	10.06
Conductivity	500	511
	1000	1005
	2000	1980
	5000	4970

Time In: 10:55 **Time Out:** 11:45

W. L. depth from LSD (ft.): — **W.L. remark:** —

Pumping Since: 10:58 **Sampling Point:** FAW

Well Use: PS

Lift: Sub-m

Power: Elec

Latitude: 30°14'07" (D. Base 30°14'09")

Longitude: 98°38'36" (098°38'31")

Elevation: 1440'

Sample Time: 11:25 **Filter pressure:** hand pump / (line)

Field Alkalinity Titration:

7.01 Start pH 4.50 End pH

50 ml. Sample Size

18.95 ml. Acid added for Total

-0- ml. Acid added for Phenol

Items below calculated from ml. acid added data:

Field Total Alkalinity: 379.0 mg/L

Field Phenol Alkalinity: - 0 - mg/L

Notes:

Water Quality Stabilization Parameters Table

				Final Readings:
Time:	11:06	11:10	11:15	11:19
pH:	6.77	6.83	6.86	6.86
Temperature (Celsius):	21.7	21.7	21.7	21.7
Conductivity (uS/cm):	893	901	906	907
Conductivity Temperature (Celsius):	21.9	21.8	21.8	21.8

Items Below Calculated Later From Results:

Total Hardness: 421

Calculated TDS (mg/L): 507

Balanced: B

Data Entered By Sampler Into Database: (yes) / no

LCRA Environmental Laboratory Services

Date: *10-Sep-01*

CLIENT: Texas Water Development Board
Client Sample ID: 57-51-303
Lab Order: 0108161 **File No:** 16973
Project: TWDB 00-01B
Collection Date: 08/15/2001 11:25:00 AM
Lab ID: 0108161-06
Matrix: GROUNDWATER

Analyses	Storet	Result	PQL	Qual	Units	DF	BatchID	Date Analyzed
ICP METALS DISSOLVED			**E200.7**					Analyst: **SW**
Calcium	00915	97.7	0.204		mg/L	1.02	R10351	08/29/2001 7:24:45 PM
Magnesium	00925	43.0	0.204		mg/L	1.02	R10351	08/29/2001 7:24:45 PM
Potassium	00935	2.77	0.204		mg/L	1.02	R10351	08/29/2001 7:24:45 PM
Sodium	00930	34.2	0.714		mg/L	1.02	R10351	08/29/2001 7:24:45 PM
ICP METALS DISSOLVED			**E200.7**					Analyst: **SW**
Boron	01020	70.7	51.0		µg/L	1.02	R10351	08/29/2001 7:24:45 PM
Iron	01046	ND	51.0		µg/L	1.02	R10388A	08/31/2001 12:00:04 PM
Strontium	01080	610	20.4		µg/L	1.02	R10351	08/29/2001 7:24:45 PM
ICPMS DISSOLVED METALS			**E200.8**					Analyst: **PJM**
Aluminum	01106	ND	4.00		µg/L	1	R10432	09/04/2001
Antimony	01095	ND	1.00		µg/L	1	R10432	09/04/2001
Arsenic	01000	ND	2.00		µg/L	1	R10432	09/04/2001
Barium	01005	67.3	1.00		µg/L	1	R10432	09/04/2001
Beryllium	01010	ND	1.00		µg/L	1	R10432	09/04/2001
Cadmium	01025	ND	1.00		µg/L	1	R10432	09/04/2001
Chromium	01030	ND	1.00		µg/L	1	R10432	09/04/2001
Cobalt	01035	ND	1.00		µg/L	1	R10432	09/04/2001
Copper	01040	6.18	1.00		µg/L	1	R10432	09/04/2001
Lead	01049	ND	1.00		µg/L	1	R10432	09/04/2001
Lithium	01130	12.0	2.00		µg/L	1	R10432	09/04/2001
Manganese	01056	ND	1.00		µg/L	1	R10432	09/04/2001
Molybdenum	01060	ND	1.00		µg/L	1	R10432	09/04/2001
Nickel	01065	2.69	1.00		µg/L	1	R10432	09/04/2001
Selenium	01145	ND	4.00		µg/L	1	R10432	09/04/2001
Thallium	01057	ND	1.00		µg/L	1	R10432	09/04/2001
Vanadium	01085	2.42	1.00		µg/L	1	R10432	09/04/2001
Zinc	01090	9.18	4.00		µg/L	1	R10432	09/04/2001
CATION/ANION BALANCES			**CALCULATION**					Analyst: **AMJ**
Cation/Anion Balance		Balanced			Date	1	R10433	09/05/2001
RADIOLOGICALS			**RADIOCHEM**					Analyst: **SB**
ALPHA, Gross		1.6			pci/L	1	R10393	08/24/2001
BETA, Gross		4.6			pci/L	1	R10393	08/24/2001

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

LCRA Environmental Laboratory Services

Date: *10-Sep-01*

CLIENT: Texas Water Development Board
Client Sample ID: 57-51-303
Lab Order: 0108161 **File No:** 16973
Project: TWDB 00-01B
Collection Date: 08/15/2001 11:25:00 AM
Lab ID: 0108161-06
Matrix: GROUNDWATER

Analyses	Storet	Result	PQL	Qual	Units	DF	BatchID	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY			**E300**					Analyst: **AMJ**
Bromide Dissolved	71870	0.336	0.100		mg/L	5	R10318B	12:00:00 AM
Chloride Dissolved	00941	41.2	5.00		mg/L	5	R10318B	12:00:00 AM
Fluoride Dissolved	00950	0.161	0.0500		mg/L	5	R10318B	12:00:00 AM
Sulfate Dissolved	00946	24.5	5.00		mg/L	5	R10318B	12:00:00 AM
ALKALINITY			**M2320 B**					Analyst: **CMM**
Alkalinity, Phenolphthalein	00415	ND			mg/L CaCO	1	R10172	08/20/2001
Alkalinity, Total (As CaCO3)	00410	386	2.00		mg/L CaCO	1	R10172	08/20/2001
NITRATE AND NITRITE			**E353.2**					Analyst: **WR**
Nitrogen, Nitrate & Nitrite	00631	2.21	0.100		mg/L	5	R10274A	08/24/2001
SILICA			**E370.1**					Analyst: **WR**
Silica, Dissolved (as SiO2)	00995	21.5	0.500		mg/L	1	R10464A	09/06/2001

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

WQ FY 2020

TWDB Water Quality Field Data Sheet

Newly Inventoried Well: N

SWN: 57-51-303
County: Gillespie
County Code: 171
Aquifer Code: 371 SNSR
Aquifer Id: 14

Name: TPWD Dept
Address: 199 Park Road 52
Stonewall, TX 78671
Attention:
Well Name or #: well #2

ID Number: 608
Date: 8/4/20
Sampler(s): P. Valladolid

(1)	(2)	(3)	(4)	(5)	6	7	8	(9)	10	11
250 ml filtered	500 ml filtered	250 ml filtered	1 Liter filtered	1 Liter filtered	1 L unfiltered	250 ml unfiltered	1 L unfiltered	40 ml unfiltered		
Cation	Anions/T Alk	Nitrate	Gross	Radium	C14/C13 corr	Sr-87/Sr-86	Tritium	Atrazine		
RED		YELLOW	Alpha	226/228	O18/Deuterium					
HNO_3	ICE	ICE + H_2SO_4	HNO_3 by lab	HNO_3 by lab	None	None	None	ICE		

Calibration Verification Readings

pH	SLOPE =	97.9
	7 =	6.99
	4 or 10 =	4.01 / 9.96
Conductivity	500 =	520
	1000 =	1000
	2000 =	1942
	5000 =	

Time In: 08 20
Time Out: 09 30
Water Level: ✓
M.P = ✓
W.L. remark: ✓
Pumping time: POA
Sampling Point: Faucet on well
Well Use: Public
Lift: Sub
Power: Electric
Casing Type: steel
Casing Size:
Sample Time: 08 58
Filter pressure: hand pump / line / spring sampler

FIELD G.P.S. readings

Latitude: 30.23643
Longitude: -98.64218

Field Alkalinity Titration

	Start pH
	End pH
100	mL Sample Size
	mL Acid Phenol (to pH 8.3)
18.0	mL Acid Total (to pH 4.5)

mL acid added x 20 = Alkalinity

Phenol Alkalinity (82244): ✓ mg/L
Total Alkalinity (39086): 360 mg/L

Water Quality Stabilization Parameters Table (At least 3 readings @ 5 min. intervals)

Time	08 38	08 43	08 48	08 53	08 58				
pH	6.92	7.04	7.11	7.16	7.10				
Celsius Temp	22.6	22.6	22.6	22.6	22.7				
Conductivity	721	726	731	733	736				

Notes:

WQ FY 2024

TWDB Water Quality Field Data Sheet

Newly Inventoried Well: N

SWN: 57-51-303
County: Gillespie
Aquifer Code: 371SNSB
Aquifer: Ellenburger-San Saba

Name: TPWD - LBJ
Address: 199 Park Rd 52
Stonewall, TX 78671

Attention: Anthony
Well Name or #: 2

ID Number: 106
Date: 4/10/24
Sampler(s): P.Valladolid

(1)	(2)	(3)	(4)	(5)	6	7	8	9	10	11
250 ml filtered	500 ml filtered	250 ml filtered	1 Liter filtered	40 mL unfiltered			250 ml unfiltered	1 L unfiltered	1 L unfiltered	
Cation	Anions/T. Alk.	Nitrate	Gross Alpha	Atrazine			Sr-87/Sr-86	Tritium	C14/C13 corr	
RED		YELLOW	S-RE900-A						O-18 & H2	
HNO_3	ICE	ICE + H_2SO_4	HNO_3 by lab	ICE			None	None	None	
6 months	28 days & Alk 14 days	28 days	6 months	8 weeks			6 months	6 months	1 year	Holding Times
TWDB standard suite							Isotopes suite			

Calibration Verification Readings
meter: Orion Star A Series

pH	SLOPE =	97.5 %
probe: 9107BN Orion	(First) 7 =	7.02
	4 =	4.00
	10 =	10.10
Conductivity	500 =	503
	1000 =	1003
probe: Orion 013010MD	First 1413 =	1413
	2000 =	2009

Time In: 11:28
Time Out: 12:10

Water Level (LSD): /
M.P. (Feet) = /
W.L. remark: /

Pumping time: 11:35
Sampling Point: FAW

Well Use: P
Lift: S
Power: E
Casing Type: Steel

FIELD GPS readings Accuracy (ft ±): 10
Latitude: 30° 14' 11.1"
Longitude: -98° 38' 31.8"

Casing Size:

Sample Time: 11:40

Filter pressure: hand pump / (line) / spring sampler

Field Alkalinity Titration

7.19	Start pH
4.44	End pH
50	mL Sample Size
—	mL Acid Phenol (> 8.3)
17.40	mL Acid Total (to pH 4.5)

mL acid added x 20 = Alkalinity

Phenol Alkalinity (82244): / mg/L
Total Alkalinity (39086): 348 mg/L

Water Quality Stabilization Parameters Table (At least 3 readings @ 5 min. intervals)

Time	11:30	11:35	11:40					
pH (± 0.1)	6.98	~~7.03~~	7.03					(00400)
Temp (° C) (± 3%)	18.4	20.1	20.2					(00010)
Conductivity (µS/cm) (3%)	866.0	861.0	861.1					(00094)

Notes: well located at maintenance office side of Park.

Environmental Laboratory Services
The Solution Lab

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

Analytical Results

Client ID: TWDB
Lab ID: Q2416672002
Sample ID: 5751303
Project ID: TWDB CAN

Date Collected: 04/10/2024 11:40
Date Received: 04/11/2024 10:00
Location:
Facility:
Sample Point:

Matrix: Aqueous
Sample Type: SAMPLE

ALKALINITY (SM2320B, Alkalinity)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Phenolphthalein Alkalinity	0.00	mg/L	0.00	0.00		1	04/12/2024 10:57	TLC	04/12/2024 10:57	TLC	N
Hydroxide Alkalinity	0.00	mg/L	0.00	0.00		1	04/12/2024 10:57	TLC	04/12/2024 10:57	TLC	N
Bicarbonate Alkalinity	359	mg/L	0.00	0.00		1	04/12/2024 10:57	TLC	04/12/2024 10:57	TLC	N
Carbonate Alkalinity	0.00	mg/L	0.00	0.00		1	04/12/2024 10:57	TLC	04/12/2024 10:57	TLC	N
Total Alkalinity (CaCO3)	359	mg/L	20.0	20.0		1	04/12/2024 10:57	TLC	04/12/2024 10:57	TLC	

HEAVY METALS (245.1Hg)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Mercury Dissolved	<0.20	ug/L	0.20	0.070		1	04/23/2024 20:28	FM	04/23/2024 20:28	FM	N

INORGANICS (E200.7 Prep/E200.7 Metals, Trace Elements)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Boron Dissolved	77.3	ug/L	50.0	20.0		1	04/12/2024 10:27	ML	04/18/2024 12:32	ML	
Calcium Dissolved	87.8	mg/L	0.200	0.0700		1	04/12/2024 10:27	ML	04/18/2024 12:32	ML	
Strontium Dissolved	501	ug/L	10.0	4.00		1	04/12/2024 10:27	ML	04/18/2024 12:32	ML	
Magnesium Dissolved	36.8	mg/L	0.200	0.0700		1	04/12/2024 10:27	ML	04/18/2024 12:32	ML	
Potassium Dissolved	2.51	mg/L	0.200	0.0700		1	04/12/2024 10:27	ML	04/18/2024 12:32	ML	
Sodium Dissolved	32.5	mg/L	0.200	0.0700		1	04/12/2024 10:27	ML	04/18/2024 12:32	ML	

INORGANICS (E200.7 Prep/E200.7 Metals, Trace Elements)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Iron Dissolved	<50.0	ug/L	50.0	20.0		1	04/12/2024 10:27	ML	04/23/2024 11:06	ML	

Environmental Laboratory Services
The Solution Lab

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

Analytical Results

Client ID:	TWDB	**Date Collected:**	04/10/2024 11:40	**Matrix:**	Aqueous
Lab ID:	Q2416672002	**Date Received:**	04/11/2024 10:00	**Sample Type:**	SAMPLE
Sample ID:	5751303	**Location:**			
Project ID:	TWDB CAN	**Facility:**			
		Sample Point:			

INORGANICS (E200.8, ICP-MS Prep/E200.8, ICP-MS)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Aluminum Dissolved	<5.00	ug/L	5.00	1.50		1	04/12/2024 10:29	ML	04/23/2024 10:26	FM	
Antimony Dissolved	<1.00	ug/L	1.00	0.400		1	04/12/2024 10:29	ML	04/23/2024 10:26	FM	
Arsenic Dissolved	1.01	ug/L	1.00	0.700		1	04/12/2024 10:29	ML	04/23/2024 10:26	FM	
Barium Dissolved	66.1	ug/L	1.00	0.400		1	04/12/2024 10:29	ML	04/23/2024 10:26	FM	
Beryllium Dissolved	<1.00	ug/L	1.00	0.400		1	04/12/2024 10:29	ML	04/23/2024 10:26	FM	
Cadmium Dissolved	<1.00	ug/L	1.00	0.400		1	04/12/2024 10:29	ML	04/23/2024 10:26	FM	
Chromium Dissolved	4.07	ug/L	1.00	0.400		1	04/12/2024 10:29	ML	04/23/2024 10:26	FM	
Cobalt Dissolved	<1.00	ug/L	1.00	0.400		1	04/12/2024 10:29	ML	04/23/2024 10:26	FM	
Copper Dissolved	6.57	ug/L	1.00	0.400		1	04/12/2024 10:29	ML	04/23/2024 10:26	FM	
Lithium Dissolved	9.35	ug/L	2.00	0.700		1	04/12/2024 10:29	ML	04/23/2024 10:26	FM	N
Lead Dissolved	<1.00	ug/L	1.00	0.400		1	04/12/2024 10:29	ML	04/23/2024 10:26	FM	
Manganese Dissolved	<1.00	ug/L	1.00	0.400		1	04/12/2024 10:29	ML	04/23/2024 10:26	FM	
Molybdenum Dissolved	<1.00	ug/L	1.00	0.400		1	04/12/2024 10:29	ML	04/23/2024 10:26	FM	
Selenium Dissolved	<5.00	ug/L	5.00	1.50		1	04/12/2024 10:29	ML	04/23/2024 10:26	FM	
Silver Dissolved	<1.00	ug/L	1.00	0.400		1	04/12/2024 10:29	ML	04/23/2024 10:26	FM	
Thallium Dissolved	<1.00	ug/L	1.00	0.400		1	04/12/2024 10:29	ML	04/23/2024 10:26	FM	
Uranium Dissolved	<1.00	ug/L	1.00	0.400		1	04/12/2024 10:29	ML	04/23/2024 10:26	FM	N
Vanadium Dissolved	3.95	ug/L	1.00	0.400		1	04/12/2024 10:29	ML	04/23/2024 10:26	FM	
Zinc Dissolved	<5.00	ug/L	5.00	1.50		1	04/12/2024 10:29	ML	04/23/2024 10:26	FM	

INORGANICS (E300.0, Anions)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Chloride Dissolved	49.2	mg/L	2.00	0.800		2	04/11/2024 21:58	ML	04/11/2024 21:58	ML	
Bromide Dissolved	<0.0400	mg/L	0.0400	0.0160		2	04/11/2024 21:58	ML	04/11/2024 21:58	ML	
Fluoride Dissolved	0.369	mg/L	0.0200	0.00800		2	04/11/2024 21:58	ML	04/11/2024 21:58	ML	
Sulfate Dissolved	20.3	mg/L	2.00	0.800		2	04/11/2024 21:58	ML	04/11/2024 21:58	ML	

INORGANICS (SM1030B Cation/Anion Balance)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Cation/Anion Balance	-1.800	%				1	04/24/2024 11:10	CW	04/24/2024 11:10	CW	

NITRATE AND NITRITE (SM4500-NO3-H, Nitrate/Nitrite)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Nitrate/Nitrite as N Dissolved	2.93	mg/L	0.0400	0.0160		2	04/11/2024 00:00	MAB	04/11/2024 00:00	MAB	

Environmental Laboratory Services
The Solution Lab

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

Analytical Results

Client ID:	TWDB	**Date Collected:**	04/10/2024 11:40	**Matrix:**	Aqueous
Lab ID:	Q2416672002	**Date Received:**	04/11/2024 10:00	**Sample Type:**	SAMPLE
Sample ID:	5751303	**Location:**			
Project ID:	TWDB CAN	**Facility:**			
		Sample Point:			

SILICA (SM4500-SiO2-C, Silica)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Silica as SiO2, Dissolved	18.9	mg/L	0.500	0.200		1	04/15/2024 00:00	MAB	04/15/2024 00:00	MAB	

TOTAL PHOSPHATE AS P (E365.4 / E351.2 Water Prep/E365.4 Phosphorus, Total)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Phosphorus, Dissolved (As P)	0.0293	mg/L	0.0200	0.00800		1	04/18/2024 18:14	TVT	04/19/2024 00:00	ML	

Environmental Laboratory Services
The Solution Lab

LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: **24041655**

Date Reported: **5/14/2024**

CLIENT: LCRA Environmental Laboratory Services
Collection Date: 4/10/2024 11:40:00 AM
Project: 45515808
Lab ID: 24041655-002
Matrix: NON-POTABLE WATER
Client Sample ID: Q2416673002

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
GROSS ALPHA / GROSS BETA RADIOACTIVITY (EPA 900.0)					**E900.0**	**E900**	Analyst: **DHF**
ALPHA, Gross	ND	3.00		pCi/L	± 1.93	1	5/7/2024 4:54:00 PM

57-51-303

Qualifiers:

H	Holding times for preparation or analysis exceeded
ND	Not Detected
RL	Reporting Detection Limit
M	Manual Integration used to determine area response
PL	Permit Limit
W	Sample container temperature is out of limit as specified at testcode

Original

TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 57 51 310 Previous Well Number - County - Gillespie 171
River Basin - Colorado River - 14 Zone - 3 Latitude - 30 14 07 Longitude - 98 38 39 Source of Coords - 1

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - Alvin F. Weinheimer Driller - L & L Drilling Co.

Address _____ Tenant/Oper. _____
Date Drilled - 06/24/1987 Depth - 363 ft. Source of Depth - D Altitude - 1,445 ft. Source of Alt. - M
Aquifer - 371SNSB SAN SABA LIMESTONE Well Type - W User -

WELL CONSTRUCTION
Const. Method - AIR PERCUSSION
Completion - OPEN HOLE
Casing Material - PVC, FIBERGLASS, OTHER PLASTIC
Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - SUBMERSIBLE PUMP No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.
Motor Mfr. - _____ Fuel or Power - ELECTRIC MOTOR Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- STOCK Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- M Quality- N Logs- D Other Data-

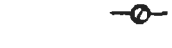
WATER LEVELS
Date- 06/24/1987 Measurement- -171.00
Date- 06/17/1993 Measurement- -31.05

Recorded By J. Derton Date Record Collected or Updated- 06/18/1993

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (
Open Hole (O)
Cemented from_____to_____

		Diam. (in.)	Setting(feet) From	To
1	C	6	0	43
2	O	7	43	83
3	O	6	83	363
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				

Reporting Agency - TEXAS WATER DEVELOPMENT BOARD
REMARKS -
Estimated yield 16 GPM in 1987.
Cemented from 0 to 42 feet.



Aquifer - 371SNSB
Well No. - 57 51 310

ase use black ink.
nd original copy by
rtified mail to the
as Water Commission
. Box 13087
stin, Texas 78711

State of Texas
WATER WELL REPORT

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

Texas Water Well Drillers Board
P. O. Box 13087
Austin, Texas 78711

OWNER Alvin F. Weinheimer (Name) Address P.O. Box 255 (Street or RFD) Stonewall (City) Texas (State) 78671 (Zip)

LOCATION OF WELL:
County Gillespie 12.0 miles in E. (N.E., S.W., etc.) direction from Fredericksburg (Town)

☐ Legal description:
Section No. _____ Block No. _____ Township _____
Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines _____

lier must complete the legal description to the right
h distance and direction from two intersecting sec-
n or survey lines, or he must locate and identify the
ll on an official Quarter- or Half-Scale Texas County
neral Highway Map and attach the map to this form.

#4. ☒ See attached map. ON 67-44-1

TYPE OF WORK (Check): ☐ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) PROPOSED USE (Check): ☒ Domestic ☐ Industrial ☐ Monitor ☐ Public Supply ☐ Irrigation ☐ Test Well ☐ Injection ☐ Other _____

5) DRILLING METHOD (Check): ☐ Driven ☐ Mud Rotary ☒ Air Hammer ☐ Jetted ☐ Bored ☐ Air Rotary ☐ Cable Tool ☐ Other _____

WELL LOG:
Date Drilling: Started 6/24 1987 Completed 6/24 1987

DIAMETER OF HOLE

Dia. (in.)	From (ft.)	To (ft.)
9.625	Surface	42
6.75	42	83
6.0	83	363

7) BOREHOLE COMPLETION:
☐ Open Hole ☒ Straight Wall ☐ Undereamed
☐ Gravel Packed ☐ Other _____
If Gravel Packed give interval . . . from _____ ft. to _____ ft.

From (ft.)	To (ft.)	Description and color of formation material
0	1	brown topsoil
1	4	white calchie
4	20	red & white limestone with white & yellow calchie streaks
20	33	red & white limestone
33	37	red & white limestone with gray shale & clay layers
37	150	white & red limestone
33	134	water 1 gpm
50	184	gray limestone oily
84	186	brown & red limestone
86	216	gray limestone oily
16	330	gray, white, brown limestone
64	265	water 3 gpm
18	319	water 8 gpm
27	328	water 4 gpm
30	363	gray limestone

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing Screen
6	new	plastic solid	0	43	.280

9) CEMENTING DATA [Rule 319.44(b)]
Cemented from 0 ft. to 42 ft. No. of Sacks Used 6
_____ ft. to _____ ft. No. of Sacks Used _____
Method used gravity cemented
Cemented by L & L Drilling Co.

10) SURFACE COMPLETION
☐ Specified Surface Slab Installed [Rule 319.44(c)]
☐ Pitless Adapter Used [Rule 319.44(d)]
☒ Approved Alternative Procedure Used [Rule 319.71]

11) WATER LEVEL:
Static level 171 ft. below land surface Date 6/24/87
Artesian flow _____ gpm. Date _____

12) PACKERS: Type None Depth

13) TYPE PUMP:
☐ Turbine ☐ Jet ☐ Submersible ☐ Cylinder
☐ Other _____
Depth to pump bowls, cylinder, jet, etc., _____ ft.

14) WELL TESTS:
Type Test: ☐ Pump ☐ Bailer ☒ Jetted ☐ Estimated
Yield: 16 gpm with _____ ft. drawdown after _____ hrs.

RECEIVED
AUG 19 1987
TEXAS WATER COMMISSION

(Use reverse side if necessary)

) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☒ No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata _____
Was a chemical analysis made? ☐ Yes ☒ No

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 12 will result in the log(s) being returned for completion and resubmittal.

IMPANY NAME L & L Drilling Co. (Type or Print) Water Well Driller's License No. 1595

DDRESS P.O. Box 182 (Street or RFD) Hye (City) Texas (State) 78635 (Zip)

gned) Gregory A. Smith (Licensed Water Well Driller) (Signed) _____ (Registered Driller Trainee)

ase attach electric log, chemical analysis, and other pertinent information, if available.

For TWC use only
Well No. 57-51-3
Located on map

-0392 (Rev. 06-10-85) TEXAS WATER COMMISSION COPY

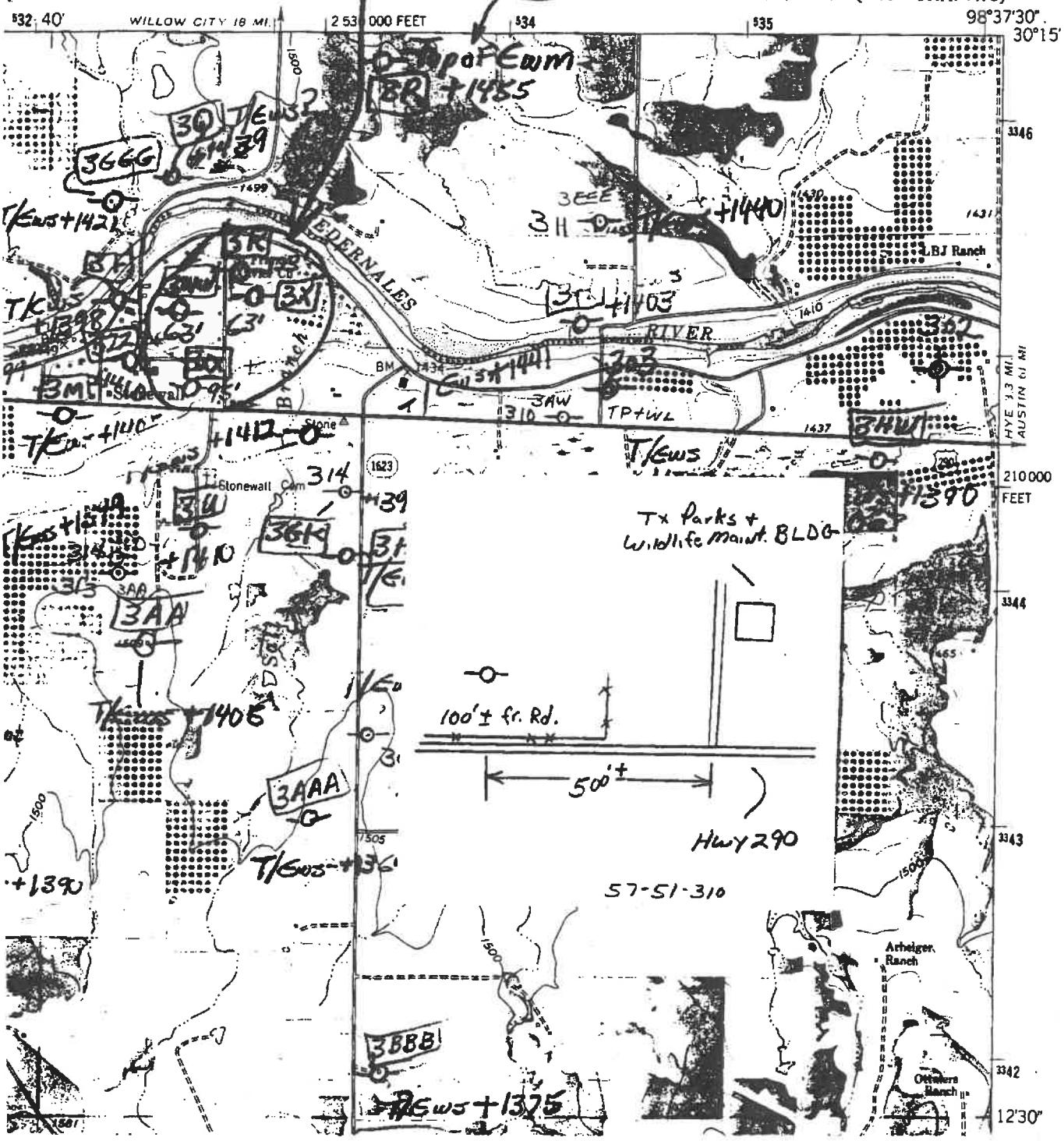
57-51-310
57-61-3AW

Note Granite Reported at various depths in this area in 1 well 3K, in 2 well 3WW, in 7 wells 3X, and in 1 well 3XX

57-51

Note

STONEWALL QUADRANGLE
TEXAS
7.5 MINUTE SERIES (TOPOGRAPHIC)



57-51-310

TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 57 51 311 Previous Well Number - County - Gillespie 171
River Basin - Colorado River - 14 Zone - 3 Latitude - 30 14 34 Longitude - 98 38 33 Source of Coords - 1

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - B.C. Hulett Driller - L & L Drilling Co.

Address _____ Tenant/Oper. _____
Date Drilled - 07/24/1980 Depth - 614 ft. Source of Depth - D Altitude - 1,461 ft. Source of Alt. - M
Aquifer - 371SNSB SAN SABA LIMESTONE Well Type - W User -

WELL CONSTRUCTION
Const. Method - AIR PERCUSSION
Completion - OPEN HOLE
Casing Material - PVC, FIBERGLASS, OTHER PLASTIC
Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - SUBMERSIBLE PUMP No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.
Motor Mfr. - _____ Fuel or Power - ELECTRIC MOTOR Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- STOCK Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- M Quality- N Logs- D Other Data-

WATER LEVELS Date- 07/24/1980 Measurement- -36.00
Date- / / Measurement-

Recorded By J. Derton Date Record Collected or Updated- 06/18/1993

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (
Open Hole (D)
Cemented from_____to_____

		Diam. (in.)	Setting(feet) From	To
1	C	6	0	26
2	C	6	26	614
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				

Reporting Agency - TEXAS WATER DEVELOPMENT BOARD
REMARKS -
Jetted 3.33 GPM in 1980. Cemented
0 to 24 feet.

Aquifer - 371SNSB
Well No. - 57 51 311

id original copy by
tified mail to the
as Department of Water Resources
). Box 13087
stin, Texas 78711

State of Texas

WATER WELL REPORT

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

For TDWR use
Well No. 57-51-[illegible]
Located on map Yes
Received: [illegible]

OWNER B. C. Rulett (Name) Address 502 N. Orange (Street or RFD) Fredericksburg (City) Texas (State) 78624 (Zip)

LOCATION OF WELL:
County Gillespie 12.75 miles in E. (N.E., S.W., etc.) direction from Fredericksburg (Town)

iller must complete the legal description to the right
h distance and direction from two intersecting sec-
n or survey lines, or he must locate and identify the
ll on an official Quarter- or Half-Scale Texas County
neral Highway Map and attach the map to this form.
4.

☐ Legal description:
Section No. _____ Block No. _____ Township _____
Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines _____
☑ See attached map. Mapon 57-51-70

TYPE OF WORK (Check):
☐ New Well ☐ Deepening
☐ Reconditioning ☐ Plugging

4) PROPOSED USE (Check):
☑ Domestic ☐ Industrial ☐ Public Supply
☐ Irrigation ☐ Test Well ☐ Other _____

5) DRILLING METHOD (Check):
☐ Mud Rotary ☐ Air Hammer ☐ Driven ☐ Bored
☑ Air Rotary ☐ Cable Tool ☐ Jetted ☐ Other _____

WELL LOG:
Date drilled 7/24/80

DIAMETER OF HOLE

Dia. (in.)	From (ft.)	To (ft.)
8.75	Surface	26
5.625	26	614

7) BOREHOLE COMPLETION:
☐ Open Hole ☑ Straight Wall ☐ Underreamed
☐ Gravel Packed ☐ Other _____
If Gravel Packed give interval . . . from _____ ft. to _____ ft.

From (ft.)	To (ft.)	Description and color of formation material
0	1	topsoil (brown)
1	5	caliche (white)
5	51	limestone (brown, gray, red)
51	52	water (3.33 gpm)
51	87	limestone (brown, gray, red)
87	614	limestone (brown, gray, white)

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing Screen
6	new	plastic solid	0	26	280

CEMENTING DATA
Cemented from 0 ft. to 24 ft.
Method used gravity cemented
Cemented by L&L Drilling Co. (Company or Individual)

9) WATER LEVEL:
Static level 36 ft. below land surface Date 7/24/80
Artesian flow _____ gpm. Date _____

10) PACKERS: Type poor boy Depth 25 ft.

11) TYPE PUMP:
☐ Turbine ☐ Jet ☐ Submersible ☐ Cylinder
☐ Other _____
Depth to pump bowls, cylinder, jet, etc., _____ ft.

(Use reverse side if necessary)

9) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☑ No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata _____
Was a chemical analysis made? ☐ Yes ☑ No

12) WELL TESTS:
☐ Type Test: ☐ Pump ☐ Bailer ☐ Jetted ☑ Estimated
Yield: 3.33 gpm with _____ ft. drawdown after _____ hrs.

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

RECEIVED
FEB 3 1982

NAME Gregory Smith (Type or Print) Water Well Drillers Registration No. 1595

ADDRESS P.O. Box 192 (Street or RFD) Hye (City) Texas (State) 78635 (Zip)

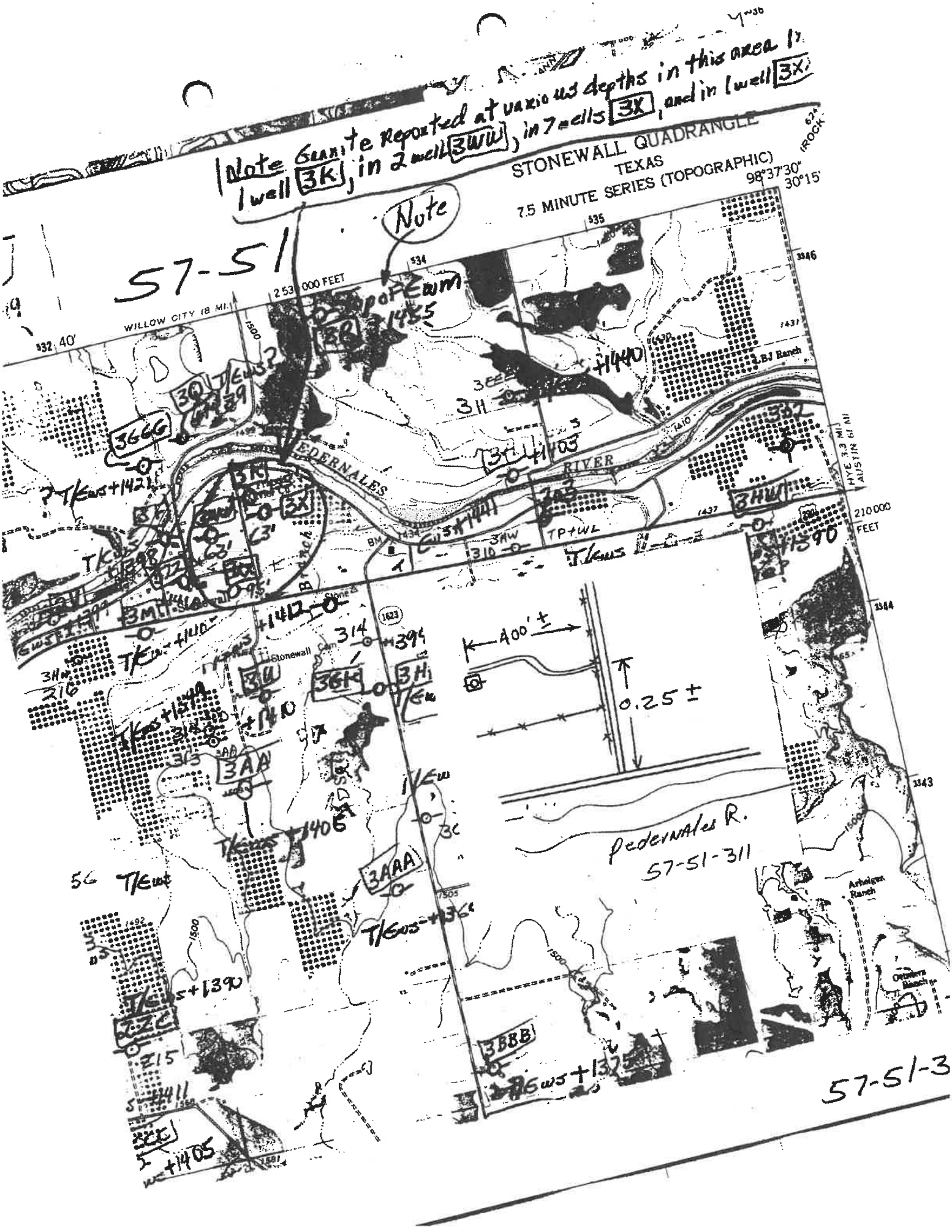
(Signed) Gregory Smith (Water Well Driller) L & L Drilling Company (Company Name)

57-51-31

Please attach electric log, chemical analysis, and other pertinent information, if available.

TWR-0382 (Rev. 1-12-79)

DEPARTMENT OF WATER RESOURCES COPY


Note Granite reported at various depths in this area in 1 well 3K, in 2 wells 3WW, in 7 wells 3X, and in 1 well 3X
57-51
Note
STONEWALL QUADRANGLE
TEXAS
7.5 MINUTE SERIES (TOPOGRAPHIC)
98°37'30"
30°15'
WILLOW CITY 18 MI.
253 000 FEET
210 000 FEET
PEDERNALES
RIVER
BJ Ranch
Stonewall
400'±
0.25±
Pedernales R.
57-51-311
57-51-3

TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

State Well Number - 57 51 315 Previous Well Number - County - Gillespie 171
River Basin - Colorado River - 14 Zone - 3 Latitude - 30 13 49 Longitude - 98 38 10 Source of Coords - 1

Owners Well No. _____ Location _____ 1/4, _____ 1/4, Section _____, Block _____, Survey _____

Owner - Hugo Werner

Driller - Virdell Drilling, Inc.

Address _____ Tenant/Oper. _____
Date Drilled - 10/14/1987 Depth - 340 ft. Source of Depth - D Altitude - 1,450 ft. Source of Alt. - M
Aquifer - 371SNSB SAN SABA LIMESTONE Well Type - W User -

WELL CONSTRUCTION
Const. Method - AIR PERCUSSION
Completion - OPEN HOLE
Casing Material - PVC, FIBERGLASS, OTHER PLASTIC
Screen Material - _____

LIFT DATA - Pump Mfr. _____ Type - SUBMERSIBLE PUMP No. Stages ____
Bowls Diam. - _____ in. Setting - _____ ft. Column Diam. - _____ in.
Motor Mfr. - _____ Fuel or Power - ELECTRIC MOTOR Horsepower -

YIELD Flow- _____ GPM Pump- _____ GPM Meas.,Rept.,Est- _____ Date- _____

PERFORMANCE TEST Date- _____ Length of Test- _____ Production- _____GPM

Static Level- _____ft. Pumping Level- _____ft. Drawdown- _____ft. Sp.Cap.- _____GPM/ft

QUALITY (Remarks- _____

WATER USE Primary- IRRIGATION Secondary- _____ Tertiary- _____

OTHER DATA AVAILAIBLE Water Levels- M Quality- N Logs- D Other Data-

WATER LEVELS Date- 10/14/1987 Measurement- -41.00
Date- / / Measurement-

Recorded By J. Derton Date Record Collected or Updated- 06/18/1993

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (
Open Hole (O)
Cemented from_____to_____

		Diam. (in.)	Setting(feet) From	To
1	C	6	0	41
2	O	6	41	340
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				

Reporting Agency - TEXAS WATER DEVELOPMENT BOARD
REMARKS -
Estimated yield 30 GPM in 1987.
Cemented from 0 to 41 feet.

Aquifer - 371SNSB
Well No. - 57 51 315

1) OWNER: WERNER, HUGO ADDRESS: P.O. BOX 1151 CITY: FREDERICKSB STATE: TX ZIP: 78624
2) LOCATION OF WELL: County: GILLESPIE ..1 miles in EAST direction from FM 1623 on ..y. 290; .3 mile South in field

LEGAL DESCRIPTION: SEE ATTACHED MAP: 07183
Section No.: Block No.: Township:
Abstract No.: Survey Name:
Distance and direction from two intersecting section or survey lines: on 56-39-6

3) TYPE OF WORK: NEW WELL 4) PROPOSED USE: IRRIGATION 5) DRILLING METHOD: AIR ROTARY/HAMMER

6) WELL LOG: 07183 DIAMETER OF HOLE 7) BOREHOLE METHOD:

DIAMETER	FROM	TO	
8"	0	41'	OPEN HOLE
6"	41	340'	IF GRAVEL... FROM FT. TO FT.
			FROM FT. TO FT.

DATE DRILLED: 10/14/87

GEOLOGICAL DESCRIPTION:

FROM	TO	DESCRIPTION
0	1	TOPSOIL
1	30	CLAY-BROWN
30	37	SAND
37	40	BROKEN LIMESTONE
"	"	WITH CLAY STREAKS
40	220	ELLENBURGER Lm-GR/BN
"	"	COARSE
220	340	LIMESTONE-GRAY,DARK & LIGHT

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

DIA	NEW/USED	DESCRIPTION	FROM	TO	GAGE CASING SCREEN
6"	N	PVC CASING	+2	41'	SCH 40

9) CEMENTING DATA:
Cemented from 0 FT. TO 41 FT.
FT. TO FT.
Method used: GROUT
Cemented by: VIRDELL DRILLING INC

10) SURFACE COMPLETION:
PITLESS ADAPTER USED

11) WATER LEVEL:
STATIC LEVEL : 41' FT. DATE: 10/14/87
ARTESIAN FLOW: GPM. DATE:

12) PACKERS: TYPE DEPTH

RECEIVED
DEC 07 1987

13) TYPE PUMP:
SUBMERSIBLE
DEPTH TO PUMP: 130'

14) WELL TEST:
JETTED
YIELD: 30 GPM WITH FT DRAWDOWN AFTER HRS

15) WATER QUALITY:
TYPE OF WATER: GOOD DEPTH OF STRATA: 45,50-90,125,138 NO CHEMICAL ANALYSIS MADE
NO STRATA OF UNDESIRABLE WATER PENETRATED

COMPANY NAME: VIRDELL DRILLING INC. WATER WELL DRILLER'S LICENSE NO.: 240 (1990) 2665
ADDRESS: 111 E. GRAYSON ST. CITY: LLANO STATE: TX ZIP CODE: 78643

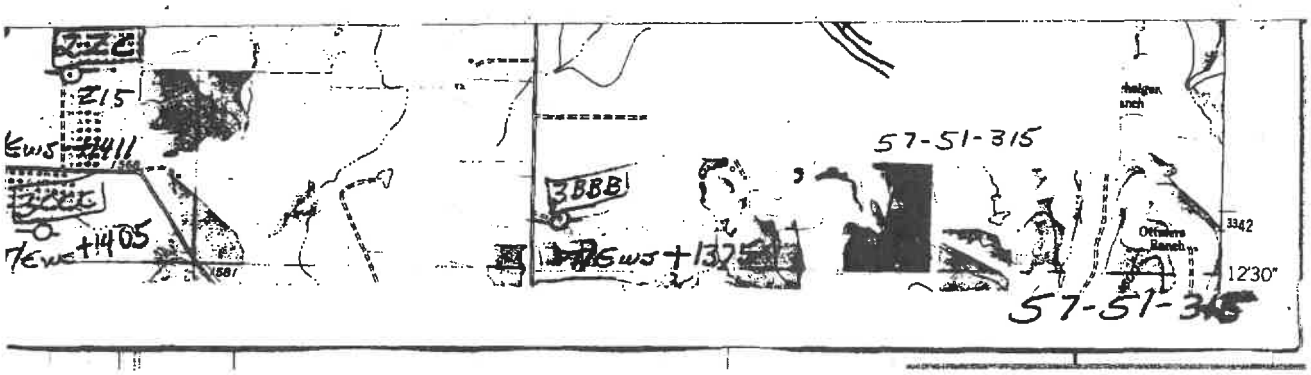
FOR TWDB USE ONLY
WELL NO. 57-51-3
LOCATED ON MAP

I HEREBY CERTIFY THAT THIS WELL WAS DRILLED BY ME (OR UNDER MY SUPERVISION) AND THAT EACH AND ALL OF THE STATEMENTS HEREIN ARE TRUE TO THE BEST OF MY KNOWLEDGE AND BELIEF. I UNDERSTAND THAT FAILURE TO COMPLETE ITEMS 1 THRU 12 WILL RESULT IN THE LOG(S) BEING RETURNED FOR COMPLETION AND RESUBMITTAL.

57-51-315 X

(signed) [signature] (LICENSED WATER WELL DRILLER)

(signed) _____ (REGISTERED DRILLER TRAINEE)



TEXAS WATER DEVELOPMENT BOARD

WELL SCHEDULE

Aquifer(s) 367ELBG Project No. _____ State Well No. 57-52-106

_____ Field No./Owner's Well No. _____ County Gillespie

1. Location: ___ ¼, ___ ¼, Section ___, Block ___, Survey _____, Lat. 30-14-06 Long. 98-37-28

2. Owner: Texas Parks & Wildlife Address: Stonewall Tx

Tenant (other): LBJ State Park Address: _____

Driller: Taylor Virdell Address: Llano Texas

3. Land Surface Elevation: 1422 ft. above msl determined by TOPO

4. Drilled: 9-19 1970; Dug, Cable Tool, Rotary, Air, _____

5. Depth: Rept. 120 ft. Meas. _____ ft.

6. Borehole Completion: Open Hole, Straight Wall, Underreamed, Gravel Packed

7. Pump: Mfr. _____ Type Sub

No. Stages _____, Bowls Diam. ___ in., Setting _____ ft.

Column Diam. _____ in., Length Tailpipe _____ ft.

8. Motor: Mfr. _____ Fuel Elec HP. ___

9. Yield: Flow ___ gpm, Pump 358 gpm, (Meas.) Rept., Est. Date 1970

10. Performance Test: Date _____ Length of Test _____ Made by _____

Static Level ___ ft. Pumping Level ___ ft. Drawdown _____ ft.

Production _____ gpm Specific Capacity _____ gpm/ft.

11. Quality: (Remarks on taste, odor, color, etc.) _____

Analyses

Date _____ Laboratory _____ TDS ___ Sp Cond _____

Date _____ Laboratory _____ TDS ___ Sp Cond _____

12. Other data available (as circled): Pumping Test, Power & Yield Test, Drillers Log,

Formation Samples, Geophysical Log(s) _____ (type)

13. Water Level(s): 47M ft. rept. meas. 6-26 19 87 above/below _____ which is ___ ft. above/below Land Surface

_____ ft. rept. meas. _____ 19 ___ above/below _____ which is ___ ft. above/below Land Surface

14. Use: Dom., Stock, Public Supply, Ind., Irr., Observation, Other (Test Hole, Oil Test, etc.) _____

15. Recorded by: G Adair Source of data: Obs, D.L Date: 6-26-87

16. Remarks: _____

17. Location or Sketch:

CASING, BLANK PIPE & WELL SCREEN
Cemented From ___ ft. to ___ ft.

Diam. (in.)	Type	Setting (feet) from	to
6 5/8	Steel	0	71

TWDB-0308 (Rev. 12-11-85)

W/L Obs. Well ___ W/Q Obs. Well ___
State Well No. 57-52-106

Dup

Send original copy by certified mail to the Texas Water Development Board P. O. Box 12386 Austin, Texas 78711

State of Texas

WATER WELL REPORT

For TWDB use only
Well No. 57-52-106
Located on map
Received: 9/70

1) OWNER:
Person having well drilled Blanchard Associates (Name) Address Fredericksburg, Texas 78624 (Street or RFD) (City) (State)

Landowner LBJ State Park (Name) Address (Street or RFD), (City) (State)

2) LOCATION OF WELL:
County Gillaspie County, Texas miles in (N.E., S.W., etc.) direction from (Town)

Locate by sketch map showing landmarks, roads, creeks, hiway number, etc.* (Use reverse side if necessary)

North ↑

or Give legal location with distances and directions from adjacent sections or survey lines.

Labor League
Block Survey
Abstract No.
(NW¼ NE¼ SW¼ SE¼) of Section

3) TYPE OF WORK (Check): New Well X Deepening Reconditioning Plugging

4) PROPOSED USE (Check): Domestic X Industrial Municipal Irrigation Test Well Other

5) TYPE OF WELL (Check): Rotary X Driven Dug Cable Jetted Bored

6) WELL LOG:
Diameter of hole 6-1/8 in. Depth drilled 120 ft. Depth of completed well 120 ft. Date drilled 9-19-70
All measurements made from 0 ft. above ground level.

From (ft.)	To (ft.)	Description and color of formation material
0	9	Blk. top soil w/clay
9	10	Limerock
10	13	Blk. clay
13	24	Blk. Chalk lime
24	26	Cavity w/red clay
26	64	Blk. lime
64	68	Yellow clay
68	110	Gray lime
110	120	Green lime

(Use reverse side if necessary)

9) Casing:
Type: Old New X Steel X Plastic Other
Cemented from ft. to ft.

Diameter (inches)	Setting From (ft.)	To (ft.)	Gage
6 5/8"OD	0	71	.156

10) SCREEN:
Type
Perforated Slotted

Diameter (inches)	Setting From (ft.)	To (ft.)	Slot Size

7) COMPLETION (Check):
Straight wall Gravel packed Other
Under reamed Open Hole

8) WATER LEVEL:
Static level ft. below land surface Date
Artesian pressure lbs. per square inch Date
Depth to pump bowls, cylinder, jet, etc., ft. below land surface.

11) WELL TESTS:
Was a pump test made? Yes X No If yes, by whom? Community Service & Supply, Mason, Texas
Yield: 358 gpm with ft. drawdown after hrs.
Bailer test gpm with ft. drawdown after hrs.
Artesian flow gpm
Temperature of water

12) WATER QUALITY:
Was a chemical analysis made? Yes No X
Did any strata contain undesirable water? Yes No X
Type of water? depth of strata

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

NAME Taylor Virdell (Type or Print) Water Well Drillers Registration No. 240

ADDRESS Llano, Texas (Street or RFD) (City) (State)

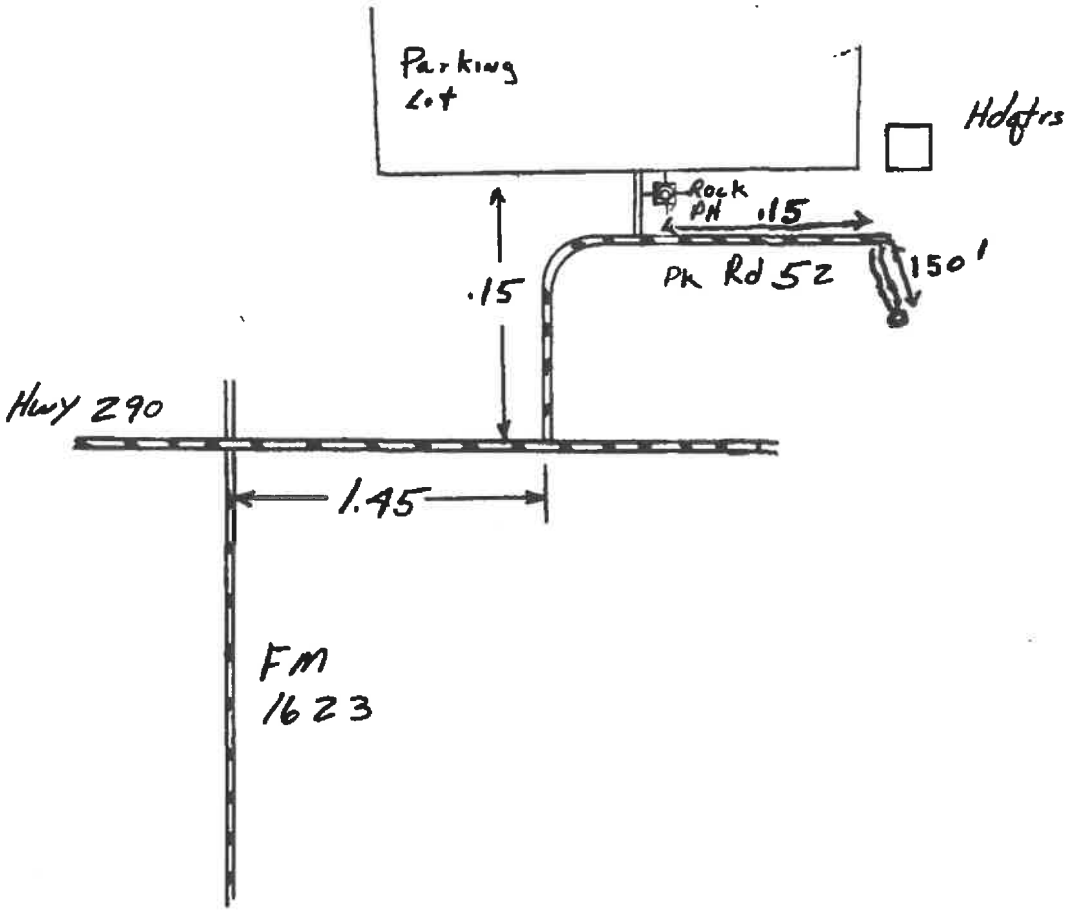
(Signed) Taylor Virdell (Water Well Driller) Virdell Brothers Drilling Co. (Company Name)

Please attach electric log, chemical analysis, and other pertinent information, if available.

*Additional instructions on reverse side.

TWDBE-GW-53

KK 57-52-106


Parking Lot
Hdqtrs
Rock PH
.15
Pk Rd 52
150'
.15
Hwy 290
1.45
FM 1623
N

57-52-106

End original copy by certified mail to the Texas Water Development Board P. O. Box 12386 Austin, Texas 78711

State of Texas

WATER WELL REPORT

For TWDB use only
Well No. 57-52-306
Located on map yes
Received 10-7 dlr

1) OWNER:
Person having well drilled Blanchard Associates (Name) Address Fredericksburg, Texas 78624 (Street or RFD) (City) (State)

Landowner LBJ State Park (Name) Address (Street or RFD) (City) (State)

2) LOCATION OF WELL:
County Gillespie County, Texas miles in direction from (N.E., S.W., etc.) (Town)

Locate by sketch map showing landmarks, roads, creeks, hiway number, etc.*

North

(Use reverse side if necessary)

or Give legal location with distances and directions from adjacent sections or survey lines.

Labor League

Block Survey

Abstract No.

(NW¼ NE¼ SW¼ SE¼) of Section

3) TYPE OF WORK (Check): New Well X Deepening Reconditioning Plugging

4) PROPOSED USE (Check): Domestic X Industrial Municipal Irrigation Test Well Other

5) TYPE OF WELL (Check): Rotary X Driven Dug Cable Jetted Bored

6) WELL LOG:
Diameter of hole 6-1/8 in. Depth drilled 120 ft. Depth of completed well 120 ft. Date drilled 9-19-70

All measurements made from 0 ft. above ground level.

From (ft.)	To (ft.)	Description and color of formation material
0	9	Blk. top soil w/clay
9	10	Limerock
10	13	Blk. clay
13	24	Blk. Chalk lime
24	26	Cavity w/red clay
26	64	Blk. lime
64	68	Yellow clay
68	110	Gray lime
110	120	Green lime

(Use reverse side if necessary)

9) Casing:
Type: Old New X Steel X Plastic Other

Cemented from ft. to ft.

Diameter (inches)	Setting From (ft.)	To (ft.)	Gage
6-5/8"OD	0	71	.156

10) SCREEN:
Type

Perforated Slotted

Diameter (inches)	Setting From (ft.)	To (ft.)	Slot Size

7) COMPLETION (Check):
Straight wall Gravel packed Other
Under reamed Open Hole

8) WATER LEVEL:
Static level ft. below land surface Date

Artesian pressure lbs. per square inch Date

Depth to pump bowls, cylinder, jet, etc., ft. below land surface.

11) WELL TESTS:
Was a pump test made? Yes X No If yes, by whom? Community Service & Supply Mason, Texas

Yield: 358 gpm with ft. drawdown after hrs.

Bailer test gpm with ft. drawdown after hrs.

Artesian flow gpm

Temperature of water

12) WATER QUALITY:
Was a chemical analysis made? Yes No X

Did any strata contain undesirable water? Yes No X

Type of water? depth of strata

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

NAME Taylor Virdell (Type or Print) Water Well Drillers Registration No. 240

ADDRESS Llano, Texas (Street or RFD) (City) (State)

(Signed) Taylor Virdell (Water Well Driller) Virdell Brothers Drilling Co. (Company Name)

Please attach electric log, chemical analysis, and other pertinent information, if available.

*Additional instructions on reverse side.

TWDBE-GW-53

KK 57-52-106

Attachment T8
Soil Map and Report

Permit No. WQ0011480001

United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Gillespie County, Texas

June 24, 2024

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require

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Contents

How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map

Map Scale: 1:2,400 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 35 70 140 210

Feet
0 100 200 400 600

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 14N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Gillespie County, Texas
Survey Area Data: Version 19, Sep 5, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Dec 15, 2019—Dec 19, 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
DeC	Loneoak fine sand, 1 to 5 percent slopes	3.6	12.3%
Gp	Boerne loam, occasionally flooded	3.2	11.0%
PeC	Pedernales fine sandy loam, 3 to 5 percent slopes	2.6	8.9%
VaC	Campair loamy fine sand, 1 to 5 percent slopes	19.7	67.8%
Totals for Area of Interest		**29.1**	**100.0%**

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Gillespie County, Texas

DeC—Loneoak fine sand, 1 to 5 percent slopes

Map Unit Setting

National map unit symbol: d917
Elevation: 1,100 to 1,700 feet
Mean annual precipitation: 22 to 28 inches
Mean annual air temperature: 64 to 66 degrees F
Frost-free period: 215 to 230 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Loneoak and similar soils: 100 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Loneoak

Setting

Landform: Plains
Down-slope shape: Concave
Across-slope shape: Linear
Parent material: Residuum weathered from sandstone

Typical profile

H1 - 0 to 12 inches: sand
H2 - 12 to 26 inches: loamy sand
H3 - 26 to 56 inches: sandy clay
H4 - 56 to 63 inches: bedrock

Properties and qualities

Slope: 1 to 5 percent
Depth to restrictive feature: 40 to 60 inches to paralithic bedrock
Drainage class: Moderately well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Gypsum, maximum content: 3 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 6.0
Available water supply, 0 to 60 inches: Low (about 5.9 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: C
Ecological site: R082AY372TX - Sandy 25-32 PZ
Hydric soil rating: No

Gp—Boerne loam, occasionally flooded

Map Unit Setting

National map unit symbol: d91j
Elevation: 600 to 2,300 feet
Mean annual precipitation: 28 to 36 inches
Mean annual air temperature: 64 to 70 degrees F
Frost-free period: 215 to 255 days
Farmland classification: Not prime farmland

Map Unit Composition

Boerne and similar soils: 99 percent
Minor components: 1 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Boerne

Setting

Landform: Stream terraces, flood plains
Landform position (three-dimensional): Tread
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Alluvium derived from limestone

Typical profile

H1 - 0 to 17 inches: loam
H2 - 17 to 37 inches: loam
H3 - 37 to 63 inches: fine sandy loam

Properties and qualities

Slope: 0 to 5 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: Occasional
Frequency of ponding: None
Calcium carbonate, maximum content: 75 percent
Available water supply, 0 to 60 inches: Moderate (about 7.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: A
Ecological site: R081BY335TX - Loamy Bottomland 23-31 PZ
Hydric soil rating: No

Minor Components

Unnamed, hydric

Percent of map unit: 1 percent
Landform: Sloughs
Hydric soil rating: Yes

PeC—Pedernales fine sandy loam, 3 to 5 percent slopes

Map Unit Setting

National map unit symbol: 2t2mc
Elevation: 670 to 2,000 feet
Mean annual precipitation: 26 to 32 inches
Mean annual air temperature: 65 to 67 degrees F
Frost-free period: 220 to 240 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Pedernales and similar soils: 91 percent
Minor components: 9 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pedernales

Setting

Landform: Hillslopes
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Base slope
Down-slope shape: Linear
Across-slope shape: Convex
Parent material: Calcareous loamy slope alluvium over residuum weathered from sandstone

Typical profile

Ap - 0 to 11 inches: fine sandy loam
Bt - 11 to 37 inches: sandy clay
Btk - 37 to 43 inches: sandy clay loam
BCtk - 43 to 80 inches: sandy clay loam

Properties and qualities

Slope: 3 to 5 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 35 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Moderate (about 8.8 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: C
Ecological site: R082AY378TX - Tight Sandy Loam 25-32 PZ
Hydric soil rating: No

Minor Components

Hensley

Percent of map unit: 3 percent
Landform: Hillslopes
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Ecological site: R081BY340TX - Redland 23-31 PZ
Hydric soil rating: No

Hye

Percent of map unit: 3 percent
Landform: Hillslopes
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Base slope
Down-slope shape: Convex
Across-slope shape: Convex
Ecological site: R082AY369TX - Red Sandy Loam 25-32 PZ
Hydric soil rating: No

Luckenbach

Percent of map unit: 2 percent
Landform: Stream terraces
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R081BY326TX - Clay Loam 23-31 PZ
Hydric soil rating: No

Doss

Percent of map unit: 1 percent
Landform: Hillslopes
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R081CY574TX - Shallow 29-35 PZ
Hydric soil rating: No

VaC—Campair loamy fine sand, 1 to 5 percent slopes

Map Unit Setting

National map unit symbol: 30gjq
Elevation: 1,350 to 1,900 feet
Mean annual precipitation: 31 to 34 inches
Mean annual air temperature: 64 to 66 degrees F
Frost-free period: 215 to 240 days
Farmland classification: Prime farmland if irrigated

Map Unit Composition

Campair and similar soils: 97 percent
Minor components: 3 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Campair

Setting

Landform: Hillslopes
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Residuum weathered from sandstone

Typical profile

Ap - 0 to 14 inches: loamy fine sand
Bt - 14 to 38 inches: sandy clay loam
R - 38 to 60 inches: bedrock

Properties and qualities

Slope: 1 to 5 percent
Depth to restrictive feature: 20 to 39 inches to lithic bedrock
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 2 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 5.0 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: C
Ecological site: R082AY368TX - Loamy Sand 25-32 PZ

Hydric soil rating: No

Minor Components

Loneoak

Percent of map unit: 2 percent
Landform: Hillslopes
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve
Down-slope shape: Concave
Across-slope shape: Linear
Ecological site: R082AY372TX - Sandy 25-32 PZ
Hydric soil rating: No

Heaton

Percent of map unit: 1 percent
Landform: Hillslopes
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve
Down-slope shape: Concave
Across-slope shape: Linear
Ecological site: R082AY372TX - Sandy 25-32 PZ
Hydric soil rating: No

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Attachment T9

Soil Analysis Memo

Permit No. WQ0011480001

TEXAS PARKS & WILDLIFE

Life's better outside.®

August 22, 2024

Application Review and Processing Team
Texas Commission on Environmental
Quality P.O. Box 13087
Austin, Texas 78711-3087

Re: LBJ State Park WWTF
TCEQ Permit/ID No. WQ0011480001
Permit Renewal Application

Concerning the permit renewal application for the Texas Parks and Wildlife Department (TPWD) LBJ State Park Wastewater Treatment Facility (WWTF). Please note that samples as required by the Technical Report, Form No. 10054, Section 8, Soil Map and Soil Analyses, are not available at this time. The samples were collected on August 20, 2024, and sent to the laboratory the same day. The results of the Laboratory analyses will be provided as soon as they are available.

If you have any questions concerning the soil analysis, please contact me at (512) 389-4301.

Sincerely,

James Harden
Facilities Management Director

JH

4200 SMITH SCHOOL ROAD
AUSTIN, TEXAS 78744-3291
512.389.4800
www.tpwd.texas.gov

Candice Calhoun

From: Madelyn Flores <Madelyn.Flores@tpwd.texas.gov>
Sent: Wednesday, October 2, 2024 12:48 PM
To: Candice Calhoun; James Harden; Erwin Madrid
Cc: Stephen Abbott; SP TCEQ
Subject: Re: Application for Permit No. WQ0011480001 – Notice of Deficiency 30-Day Will Return Letter
Attachments: ENGLISH TEMPLATE FOR TPDES or TLAP LBJ.docx; Municipal TPDES and TLAP PLS Form (Spanish) - LBJ.docx; Tech Report Section 1.pdf

Follow Up Flag: Follow up
Flag Status: Completed

Good afternoon,

Please find attached the additional requested information.
Let us know if anything else is needed.

Best,

Madelyn Flores
Facilities Management Intern
State Parks
Texas Parks and Wildlife Department
madelyn.flores@tpwd.texas.gov

From: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Sent: Monday, September 30, 2024 9:28 AM
To: James Harden <James.Harden@tpwd.texas.gov>; Erwin Madrid <Erwin.Madrid@tceq.texas.gov>
Cc: Stephen Abbott <Stephen.Abbott@tpwd.texas.gov>; SP TCEQ <SPTCEQ@tpwd.texas.gov>; Madelyn Flores <Madelyn.Flores@tpwd.texas.gov>
Subject: RE: Application for Permit No. WQ0011480001 – Notice of Deficiency 30-Day Will Return Letter

Mr. Harden,

Sounds good, thank you!

Candice Calhoun
Texas Commission on Environmental Quality
Water Quality Division
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

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From: James Harden <James.Harden@tpwd.texas.gov>
Sent: Monday, September 30, 2024 9:27 AM
To: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>; Erwin Madrid <Erwin.Madrid@tceq.texas.gov>
Cc: Stephen Abbott <Stephen.Abbott@tpwd.texas.gov>; SP TCEQ <SPTCEQ@tpwd.texas.gov>; Madelyn Flores <Madelyn.Flores@tpwd.texas.gov>
Subject: RE: Application for Permit No. WQ0011480001 – Notice of Deficiency 30-Day Will Return Letter

Good Morning Candice,
We will get you the requested information as soon as possible

Thanks

James Harden

James Harden
Director Facility Management
Texas State Parks
Texas Parks and Wildlife Department
Phone (512) 389-4301
Cell (806) 778-1348

From: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Sent: Monday, September 30, 2024 9:04 AM
To: James Harden <James.Harden@tpwd.texas.gov>; Erwin Madrid <Erwin.Madrid@tceq.texas.gov>
Cc: Stephen Abbott <Stephen.Abbott@tpwd.texas.gov>
Subject: RE: Application for Permit No. WQ0011480001 – Notice of Deficiency 30-Day Will Return Letter
Importance: High

Good morning, Mr. Harden,

Upon review of the response submitted, more information is needed for items 2 and 3 of the NOD. Attached is my previous email requesting this information.

Please let me know if you have any additional questions.

Regards,

Candice Calhoun
Texas Commission on Environmental Quality
Water Quality Division
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

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From: James Harden <James.Harden@tpwd.texas.gov>
Sent: Monday, September 30, 2024 8:55 AM
To: Erwin Madrid <Erwin.Madrid@tceq.texas.gov>
Cc: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>; Stephen Abbott <Stephen.Abbott@tpwd.texas.gov>
Subject: RE: Application for Permit No. WQ0011480001 – Notice of Deficiency 30-Day Will Return Letter

Good Morning Erwin,
I'm sorry if I have missed something the attached email containing the missing information as sent on the 24th.
If there is something else missing, we would be glad to get it to you.
Thanks in advance for your help and assistance.

James Harden
James Harden
Director Facility Management
Texas State Parks
Texas Parks and Wildlife Department
Phone (512) 389-4301
Cell (806) 778-1348

From: Erwin Madrid <Erwin.Madrid@tceq.texas.gov>
Sent: Monday, September 30, 2024 8:39 AM
To: James Harden <James.Harden@tpwd.texas.gov>
Cc: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>; Stephen Abbott <Stephen.Abbott@tpwd.texas.gov>
Subject: Application for Permit No. WQ0011480001 – Notice of Deficiency 30-Day Will Return Letter
Importance: High

Dear applicant,

The attached Notice of Deficiency 30-Day Will Return Letter was mailed on **September 30, 2024,** requesting additional information needed to declare the application administratively complete. Please mail an original and two copies (with a cover letter) of the complete response by **October 30, 2024.**

Regards,

Erwin Madrid
Team Lead
ARP Team | Water Quality Division
512-239-2191
Texas Commission on Environmental Quality

Candice Calhoun

From: James Harden <James.Harden@tpwd.texas.gov>
Sent: Tuesday, September 24, 2024 1:17 PM
To: Candice Calhoun
Cc: Stephen Abbott; Madelyn Flores; SP TCEQ
Subject: FW: Application to Renew Permit No. WQ0011480001 - Texas Parks and Wildlife Department; LBJ State Park WWTP
Attachments: Municipal Disposal Renewal Spanish NORI - LBJ.docx; Municipal TPDES and TLAP PLS Form (Spanish) - LBJ.docx; Signed- LBJ 10053.pdf; Tech Report Section 1.pdf; NOD Rsponses for LBJ Permit.pdf

Follow Up Flag: Follow up
Flag Status: Completed

Candice,
Please find attached the additional need information.
Please let me know if there is anything else needed.

Many thanks for your time and consideration

James Harden

James Harden
Director Facility Management
Texas State Parks
Texas Parks and Wildlife Department
Phone (512) 389-4301
Cell (806) 778-1348

From: Madelyn Flores <Madelyn.Flores@tpwd.texas.gov>
Sent: Tuesday, September 24, 2024 11:07 AM
To: James Harden <James.Harden@tpwd.texas.gov>
Subject: Re: Application to Renew Permit No. WQ0011480001 - Texas Parks and Wildlife Department; LBJ State Park WWTP

Good Morning!

Here are the attachments and response to the LBJ Notice of Deficiency.

Madelyn Flores
Facilities Management Intern
State Parks
Texas Parks and Wildlife Department
madelyn.flores@tpwd.texas.gov

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

DOMESTIC WASTEWATER

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

Texas Parks and Wildlife LBJ State Park (CN600134852) operates LBJ State Park Wastewater Treatment Plant RN102916871. an activated sludge process plant using the extended aeration mode. The disposal of treated wastewater is not to exceed 9,000 gallons per day via irrigation of 4.8 acres of restricted land access. The facility is located 2920 Ranch Road 1, in Stonewall, Gillespie County, Texas 78671.

Permit renewal for Texas Parks and Wildlife Department's LBJ State Park Wastewater Treatment Plant. This permit will not authorize the discharge of pollutants into water in the state. This permit will not authorize the discharge of pollutants into water in the state.

There are no expected pollutants. The discharged effluent will be applied to agricultural land restricted to public access.

Comisión de Calidad Ambiental del Estado de Texas

AVISO DE RECIBO DE LA SOLICITUD E
INTENCION DE OBTENER PERMISO PARA LA CALIDAD DEL AGUA
RENOVACION

PERMISO NO. WQ0011480001

SOLICITUD. El Departamento de Parques y Vida Silvestre de Texas (TPWD), 4200 Smith School Road, Austin, Texas 78722 ha solicitado a la Comisión de Calidad Ambiental de Texas (TCEQ) para renovar el Permiso No.WQ0011480001 de disposición de aguas residuales para autorizar la disposición de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 9,000 galones por día por medio de 4.8 acres de tierra de acceso restringido. La planta de tratamiento de aguas domésticos residuales y el área de disposición están ubicados en 2920 Ranch Road 1, cerca de la ciudad de Stonewall, en el Condado de Gillespie, Texas. La TCEQ recibió esta solicitud el día 6 de septiembre de 2024. La solicitud para el permiso estará disponible para leerla y copiarla en Lyndon B. Johnson State Park, oficinia de parque, 199 Park Road #52, Stonewall en el condado de Gillespie, Texas antes de la fecha de publicación de este aviso en el periódico. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.
https://gisweb.tceq.texas.gov/LocationMapper/?marker=-98.367222,30.739166&level=18

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

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

OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO CONTENCIOSO. Después del plazo para presentar comentarios públicos, el Director Ejecutivo considerará todos

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

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

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

Si ciertos criterios se cumplen, la TCEQ puede actuar sobre una solicitud para renovar un permiso sin proveer una oportunidad de una audiencia administrativa de lo contencioso.

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

TCEQ.

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

También se puede obtener información adicional del Departamento de Parques y Vida Silvestre de Texas (TPWD) a la dirección indicada arriba o llamando a Sr. Dennis Smith al 512-793-2022.

Fecha de emisión _____ *[Date notice issued]*

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

AGUAS RESIDUALES DOMÉSTICAS

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

El Departamento de Parques y Vida Silvestre de Texas (TPWD) (CN600134852) opera la Planta de Tratamiento de LBJ State Park Wastewater Treatment Plant (RN102916871). Una planta de proceso de lodos activados que utiliza el modo de aireación extendida. La disposición de aguas residual tratadas no debe exceder los 9,000 galones por día mediante la irrigación de 4.8 acres de terreno de acceso restringido. La instalación está ubicada 2920 Ranch Road 1, en Stonewall, Condado de Gillespie, Texas 78671.

Renovación del permiso para la Plante de Tratamiento de Aguas Residuales del LBJ State Park del Departamento de Parques y Vida Silvestre de Texas (TPWD). Este permiso no autorizará una descarga de contaminantes en el agua en el estado.

Las descargas de la instalación no se espera que contengan contaminantes. La descarga de efluentes es tratada por la planta de proceso de lodos activados que utiliza el modo de aireación extendida.

TEXAS PARKS & WILDLIFE

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Chairman-Emeritus
Fort Worth

T. Dan Friedkin
Chairman-Emeritus
Houston

David Yoskowitz, Ph.D.
Executive Director

September 23, 2024

Ms. Candice Calhoun
Texas Commission on Environmental Quality
Application Review and Processing Team (MC148)
P.O. Box 13087
Austin, Texas 78711-3087

Re: Application to Renew Permit No.: WQ0011480001
Applicant Name: Texas Parks and Wildlife Department (CN600134852)
Site Name: LBJ State Park WWTP (RN102916871)
Type of Application: Renewal

VIA EMAIL

Dear Ms. Calhoun

We received your letter with five issues raised that need to be resolved before you can declare our permit renewal application administratively complete. Below we list each issue and our response.

1. Please resubmit all pages of the administrative report on the most current version of TCEQ form number 10053.

   TPWD Response – We have completed the administrative report using the most current version of TCEQ form number 10053. All pages have been resubmitted as requested in the attachment "Signed- LBJ 10053".

2. Section 1 - Please provide a completed section, with the permitted flow information.

   TPWD Response – The flow information has been added to Section 1 of Technical Report 1.0. The completed section is attached as "Tech Report Section 1".

3. Please use the attached PLS Spanish template to translate the plain language summary to Spanish.

   TPWD Response – The plain language summary has been translated into Spanish using the provided template. The translated document is attached as "Municipal TPDES and TLAP PLS Form (Spanish) – LBJ".

4200 SMITH SCHOOL ROAD
AUSTIN, TEXAS 78744-3291
512.389.4800
www.tpwd.texas.gov

4. 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

   TPWD Response – We have reviewed the provided portion of the NORI and confirmed that it does not contain any errors or omissions. The content is accurate and complete.

5. Please provide the translated Spanish NORI in a Microsoft Word Document

   TPWD Response – The NORI has been translated into Spanish, with the first and last paragraphs translated specifically for this application. The translated Spanish NORI is provided in the attached Microsoft Word document, "Municipal Disposal Renewal Spanish NORI – LBJ".

Please feel free to contact me at sptceq@tpwd.texas.gov

Sincerely,

James Harden
Facilities Management Director
State Parks Division

JH

Enclosure(s)

Attachment 1 – Signed- LBJ 10053

Attachment 2 – Tech Report Section 1

Attachment 3 – Municipal TPDES and TLAP PLS Form (Spanish) – LBJ

Attachment 4 – Municipal Disposal Renewal Spanish NORI – LBJ

cc:

Mr. Stephen Abbot
Lead Operations Ranger
Texas Parks and Wildlife Department,
P.O. Box 238
Stonewall, Texas 78671

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: TPWD LBJ State Park

PERMIT NUMBER (If new, leave blank): WQ00 0011480001

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

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

For TCEQ Use Only

Segment Number _____County _____
Expiration Date _____Region_____
Permit Number _____

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

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

Section 1. Application Fees (Instructions Page 26)

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

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

Minor Amendment (for any flow) $150.00 ☐

Payment Information:

Mailed — Check/Money Order Number: See Cover Letter

Check/Money Order Amount: See Cover Letter

Name Printed on Check: See Cover Letter

EPAY — Voucher Number: See Cover Letter

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: Click to enter text.

f. For existing permits:

Permit Number: WQ00 11480001

EPA I.D. (TPDES only): TX n/a

Expiration Date: December 1, 2024

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?

TPWD LBJ State Park

(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: 600134852

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: Rhodes, Justin

Title: Deputy Director – State Parks Division Credential: n/a

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

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

n/a

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

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

CN: n/a

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

Prefix: n/a Last Name, First Name: n/a

Title: n/a Credential: n/a

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

C. Core Data Form

Complete the Core Data Form for each customer and include as an attachment. If the customer type selected on the Core Data Form is **Individual**, complete **Attachment 1** of Administrative Report 1.0. Attachment A1

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: Mr. Last Name, First Name: Harden, James

Title: State Parks Facilities Director Credential: n/a

Organization Name: Texas Parks and Wildlife Department

Mailing Address: 4200 Smith School Road City, State, Zip Code: Austin, TX, 78744

Phone No.: 512-389-4301 E-mail Address: james.harden@tpwd.texas.gov

Check one or both: ☒ Administrative Contact ☐ Technical Contact

B. Prefix: Mr. Last Name, First Name: Abbott, Stephen

Title: Lead Operations Ranger Credential: WO0029316

Organization Name: TPWD LBJ State Park

Mailing Address: PO Box 238 City, State, Zip Code: Stonewall, TX, 78671

Phone No.: 830-644-8015 E-mail Address: Stephen.abbott@tpwd.texas.gov

Check one or both: ☐ Administrative Contact ☒ Technical Contact

Section 5. Permit Contact Information (Instructions Page 27)

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

A. Prefix: Mr. Last Name, First Name: Harden. James

Title: State Parks Facilities Director Credential: n/a

Organization Name: Texas Parks and Wildlife Department

Mailing Address: 4200 Smith School Road City, State, Zip Code: Austin, TX, 78744

Phone No.: 512-389-4301 E-mail Address: james.harden@tpwd.texas.gov

B. Prefix: Mr. Last Name, First Name: Smith, Dennis

Title: Park Superintendent Credential: n/a

Organization Name: TPWD LBJ State Park

Mailing Address: PO Box 238 City, State, Zip Code: Stonewall, TX, 78671

Phone No.: 830-644-2252 E-mail Address: dennisedd.smith@tpwd.texas.gov

Section 6. Billing Contact Information (Instructions Page 27)

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

Prefix: Ms. Last Name, First Name: Lewis, Melanie

Title: Administrative Assistant Credential: n/a

Organization Name: Texas Parks and Wildlife Department

Mailing Address: 4200 Smith School Road City, State, Zip Code: Austin, TX, 78744

Phone No.: 512-389-8083 E-mail Address: melanie.lewis@tpwd.texas.gov

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

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

Prefix: Mr. Last Name, First Name: Abbott, Stephen

Title: Lead Operations Ranger Credential: WO0029316

Organization Name: TPWD LBJ State Park

Mailing Address: PO Box 238 City, State, Zip Code: Stonewall, TX, 78671

Phone No.: 830-644-8015 E-mail Address: Stephen.abbott@tpwd.texas.gov

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Mr. Last Name, First Name: Smith, Dennis

Title: LBJ State Park Superintendent Credential: n/a

Organization Name: TPWD LBJ State Park

Mailing Address: PO Box 238 City, State, Zip Code: Stonewall, TX, 78671

Phone No.: 830-644-2252 E-mail Address: dennisedd.smith@tpwd.texas.gov

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

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

☒ E-mail Address

☐ Fax

☐ Regular Mail

C. Contact permit to be listed in the Notices

Prefix: Mr. Last Name, First Name: Smith. Dennis

Title: LBJ State Park Superintendent Credential: n/a

Organization Name: TPWD LBJ State Park

Mailing Address: PO Box 238 City, State, Zip Code: Stonewall, TX, 78671

Phone No.: 830-644-2252 E-mail Address: dennisedd.smith@tpwd.texas.gov

D. Public Viewing Information

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

Public building name: State Park Headquarters

Location within the building: Park Headquarters Office

Physical Address of Building: 199 Park Road 52

City: Stonewall County: Gillespie

Contact (Last Name, First Name): Mr. Dennis Smith, Park Superintendent

Phone No.: 830-644-2252 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: Attachment A2

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: n/a

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** 102916871

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):

LBJ State Park Wastewater Treatment Plant

C. Owner of treatment facility: Texas Parks and Wildlife Department

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: Texas Parks and Wildlife Department

Mailing Address: 4200 Smith School Road City, State, Zip Code: Austin, TX, 78744

Phone No.: 512-389-4665 E-mail Address: james.harden@tpwd.texas.gov

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

Attachment: n/a

E. Owner of effluent disposal site:

Prefix: n/a Last Name, First Name: n/a

Title: n/a Credential: n/a

Organization Name: Texas Parks and Wildlife Department

Mailing Address: 4200 Smith School Road City, State, Zip Code: Austin, TX, 78744

Phone No.: 512-389-4665 E-mail Address: james.harden@tpwd.texas.gov

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

Attachment: n/a

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:

n/a

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:

n/a – TLAP Permit

City nearest the outfall(s): n/a

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

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

B. City nearest the disposal site: Stonewall, TX

C. County in which the disposal site is located: Gillespie

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

From treatment plant through a 4" pipe to the adjacent effluent holding pond, thence about 150' through a 4" force main to the irrigation field

E. For **TLAPs**, please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: Perdenales River, Segment 1414 of the Colorado River Basin

Section 12. Miscellaneous Information (Instructions Page 32)

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

☐ Yes ☒ No

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

☐ Yes ☐ No ☒ Not Applicable

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

n/a

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

☐ Yes ☒ No

If yes, list each person formerly employed by the TCEQ who represented your company and was paid for service regarding the application: 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 – Attachment A1, Plain Language Summary – Attachment A2, Supplemental Permit Information Form – Attachment A4

Section 14. Signature Page (Instructions Page 34)

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

Permit Number: Click to enter text.

Applicant: Click to enter text.

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): Justin Rhodes

Signatory title: Deputy Director, State Parks Division

Signature: _____ Date: 9-13-24

(Use blue ink)

Subscribed and Sworn to before me by the said Justin Rhodes

on this 13th day of September, 20 24.

My commission expires on the 19th day of October, 20 27.

_____

Notary Public

ELIZABETH ANN HIBBS
Notary Public, State of Texas
Comm. Expires 10-19-2027
Notary ID 12621935-9

[SEAL]

Travis

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: Click to enter text.

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):

Click to enter text.

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: Attachment A4

WATER QUALITY PERMIT

PAYMENT SUBMITTAL FORM

Use this form to submit the Application Fee, if the mailing the payment.

- Complete items 1 through 5 below.
- Staple the check or money order in the space provided at the bottom of this document.
- **Do Not mail this form with the application form.**
- Do not mail this form to the same address as the application.
- Do not submit a copy of the application with this form as it could cause duplicate permit entries.

Mail this form and the check or money order to:

BY REGULAR U.S. MAIL

Texas Commission on Environmental Quality
Financial Administration Division
Cashier's Office, MC-214
P.O. Box 13088
Austin, Texas 78711-3088

BY OVERNIGHT/EXPRESS MAIL

Texas Commission on Environmental Quality
Financial Administration Division
Cashier's Office, MC-214
12100 Park 35 Circle
Austin, Texas 78753

Fee Code: WQP **Waste Permit No:** Click to enter text.

1. Check or Money Order Number: Click to enter text.
2. Check or Money Order Amount: Click to enter text.
3. Date of Check or Money Order: Click to enter text.
4. Name on Check or Money Order: Click to enter text.
5. APPLICATION INFORMATION

   Name of Project or Site: Click to enter text.

   Physical Address of Project or Site: Click to enter text.

   If the check is for more than one application, attach a list which includes the name of each Project or Site (RE) and Physical Address, exactly as provided on the application.

Staple Check or Money Order in This Space

ATTACHMENT 1

INDIVIDUAL INFORMATION

Section 1. Individual Information (Instructions Page 41)

Complete this attachment if the facility applicant or co-applicant is an individual. Make additional copies of this attachment if both are individuals.

Prefix (Mr., Ms., Miss): Click to enter text.

Full legal name (Last Name, First Name, Middle Initial): Click to enter text.

Driver's License or State Identification Number: Click to enter text.

Date of Birth: Click to enter text.

Mailing Address: Click to enter text.

City, State, and Zip Code: Click to enter text.

Phone Number: Click to enter text. Fax Number: Click to enter text.

E-mail Address: Click to enter text.

CN: Click to enter text.

For Commission Use Only:
Customer Number:
Regulated Entity Number:
Permit Number:

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

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): N/A

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

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

B. Interim II Phase

Design Flow (MGD): N/A

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

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

C. Final Phase

Design Flow (MGD): .009

2-Hr Peak Flow (MGD): .003

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

D. Current Operating Phase

Provide the startup date of the facility: Final

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

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

Compliance History Report

Compliance History Report for CN600134852, RN102916871, Rating Year 2024 which includes Compliance History (CH) components from September 1, 2019, through August 31, 2024.

Customer, Respondent, or Owner/Operator: CN600134852, Texas Parks And Wildlife Department **Classification:** SATISFACTORY **Rating:** 0.35

Regulated Entity: RN102916871, LBJ STATE PARK **Classification:** UNCLASSIFIED **Rating:** -----

Complexity Points: 5 **Repeat Violator:** NO

CH Group: 08 - Sewage Treatment Facilities

Location: 1.5 MI EAST OF FM 1623 AND US HWY 290 IN GILLESPIE COUNTY GILLESPIE, TX, GILLESPIE COUNTY

TCEQ Region: REGION 13 - SAN ANTONIO

ID Number(s):
WASTEWATER PERMIT WQ0011480001

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

Date Compliance History Report Prepared: October 14, 2024

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

Component Period Selected: September 06, 2019 to October 14, 2024

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

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

Site and Owner/Operator History:

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

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

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

B. Criminal convictions:
N/A

C. Chronic excessive emissions events:
N/A

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

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.

Texas Parks and Wildlife Department, 4200 Smith School Road, Austin, Texas 78744, has applied to the TCEQ to renew Texas Land Application Permit No. WQ0011480001 to authorize the disposal of treated wastewater at a volume not to exceed a daily average flow of 9,000 gallons per day via surface irrigation of 4.8 acres of restricted access display agricultural land. The domestic wastewater treatment facility and disposal area are located at 2920 Ranch Road 1, near the city of Stonewall, in Gillespie County, Texas 78671. TCEQ received this application on September 6, 2024. The permit application will be available for viewing and copying at Lyndon B Johnson State Park, park headquarters office, 199 Park Road #52, Stonewall, in Gillespie 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/tlap-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=-98.631944,30.236666&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: _____

TCEQ Interoffice Memorandum

To: Deba Dutta, Team Leader
Municipal Permits Team
From: Mara Guerin
Water Quality Assessment Team
Date: October 25, 2024
Subject: Agronomy Recommendation, Texas Parks and Wildlife Department, LBJ State Park WWTF, Renewal, Permit WQ0011480001, Gillespie County

Based upon review of the permit application and an evaluation of soils and agronomy information, the WQA Team reviewing agronomist recommends the following:

1. Add the following Special Provision

   The permittee shall analyze the irrigation effluent a minimum of once per year for Total Kjeldahl nitrogen (TKN), nitrate-nitrogen, and total N. The permittee shall submit the annual results of these analyses to the TCEQ Water Quality Assessment Team (MC 150), TCEQ Region Office (MC Region 13) and the Compliance Monitoring Team (MC 224) of TCEQ by the end of September of each monitoring year. The permittee may request removal of this provision if for three consecutive years the land application of total nitrogen does not exceed 150 lb/ac/year. This request with an assessment of the data shall be submitted to the Water Quality Assessment Team (MC 150) for review/revision and approval with copies to the TCEQ Region Office xx and the TCEQ Compliance Monitoring Team (MC 224).

2. Add the following Special Provision:

   The permittee shall use cultural practices to promote and maintain the health and propagation of the native grasses and avoid plant lodging. The permittee shall harvest the crops (cut and remove it from the field) at least as needed to maintain minimum/maximum harvest height in accordance with the Annual Cropping Plan during the year. Harvesting and mowing dates shall be recorded in a log book kept on site to be made available to TCEQ personnel upon request.

3. Add the following Special Provision:

   The physical condition of the land application fields shall be monitored on a weekly basis. Any area with problems such as surface runoff, surficial erosion, or stressed or damaged vegetation, etc., shall be recorded in a field log kept onsite. Corrective measures will be implemented within 24 hours of discovery.

4. Add the following Special Provision:

   The irrigated crops include native grasses. Application rates to the irrigated land shall not exceed 2.10 acre-feet/acre/year. The permittee is responsible for providing equipment to determine application rates and maintaining accurate records of the volume of effluent applied. These records shall be made available for review by the Texas Commission on Environmental Quality and shall be maintained for at least three years.

5. Add the following Special Provision:

The permittee shall construct and maintain earthen berms to prevent runoff from leaving the irrigation site

6. Update Special Provision 4 to the following:

Irrigation practices shall be designed and managed as to prevent ponding of effluent or contamination of ground and surface waters and to prevent the occurrence of nuisance conditions in the area. To promote effluent and nutrient uptake by the crop, and to prevent pathways for effluent surfacing, native grasses shall be established and well maintained in the irrigation area throughout the year. Tailwater control facilities shall be provided as necessary to prevent the discharge of any effluent from the irrigated land.

7. Update Special Provision 9 to the following:

The permittee shall obtain representative soil samples from the root zones of the land application area. Composite sampling techniques shall be used. Each composite sample shall represent no more than 4.8 acres with no fewer than 10 to 15 subsamples representing each composite sample. For analysis and reporting, subsamples shall be composited by like sampling depth, type of crop, and soil type. Soil types are soils that have like topsoil or plow layer textures. These soils shall be sampled individually from 0 to 6 inches, 6 to 18 inches and 18 to 30 inches below ground level. The permittee shall sample soils in December to February of each year. Soil samples shall be analyzed within 30 days of sample collection.

Samples shall be analyzed annually according to the following table:

Parameter	**Method**	**Minimum Analytical Level (MAL)**	**Reporting units**
pH	2:1 (v/v) water to soil mixture		Reported to 0.1 pH units after calibration of pH meter
Electrical Conductivity	2:1 (v/v) water to soil mixture	0.01	dS/m (same as mmho/cm)
Nitrate-nitrogen	From a 1 N KCl soil extract	1	mg/kg (dry weight basis)
Total Kjeldahl Nitrogen (TKN)	For determination of Organic plus Ammonium Nitrogen. Procedures that use Mercury (Hg) are not acceptable.	20	mg/kg (dry weight basis)
Total Nitrogen	= TKN plus Nitrate-nitrogen		mg/kg (dry weight basis)
		1 (P)	mg/kg (dry weight basis)

Plant-available: Phosphorus	Mehlich III with inductively coupled plasma		
Plant-available: Potassium (K)	May be determined in the same Mehlich III extract with inductively coupled plasma	5 (K)	mg/kg (dry weight basis)
Amendment addition, e.g., gypsum			Report in *short tons/acre* in the year effected

A copy of this soil testing plan shall be provided to the analytical laboratory prior to sample analysis. The permittee shall submit the results of the annual soil sample analyses with copies of the laboratory reports and a map depicting the areas that have received wastewater within the permanent land application fields to the TCEQ Regional Office (MC Region 13) and the Compliance Monitoring Team (MC 224) of the Enforcement Division, no later than the end of September of each sampling year. If wastewater is not applied in a particular year, the permittee shall notify the same TCEQ offices and indicate that wastewater has not been applied on the approved land irrigation site(s) during that year.

8. Update Special Provision 11 to the following:

For any area where treated effluent is stored or where there exist hose bibs or faucets, the permittee shall erect adequate signs stating that the irrigation water is from a non-potable water supply. Signs shall consist of a red slash superimposed over the international symbol for drinking water accompanied by the message "DO NOT DRINK THE WATER" in both English and Spanish. All piping transporting the effluent shall be clearly marked with these same signs.

9. Update Special Provision 13 to the following:

Irrigation with effluent shall only be done when the irrigation area is not in use.

TCEQ Interoffice Memorandum

To: Deba Dutta, P.E., Lead, Municipal Permits Team

From: Hannah Zellner, P.G., Geologist, Water Quality Assessment Team

Date: October 9, 2024

Subject: **Geology Compliance Review of Groundwater-Related Special Provisions for Permit No. WQ0011480001, TPWD – LBJ State Park, Renewal, Gillespie County**

Based upon the review of the existing permit language the WQA Team reviewing geologist recommends the following modifications to special provisions:

Recommendations:

Add the following as new special provisions:

1. The permittee shall comply with buffer zone requirements of 30 TAC §309.13(c). A wastewater treatment plant unit, defined by 30 TAC Section §309.11(9), must be located a minimum horizontal distance of 250 ft from a private well and a minimum horizontal distance of 500 ft from a public water well site, spring, or other similar sources of public drinking water, as provided by §290.41(c)(1)(C) of this title.
2. The existing wastewater pond shall be maintained and operated in a manner that prevents unauthorized discharge to water in the state and contamination of groundwater.
3. Facilities for the retention of treated or untreated wastewater shall be adequately managed and lined to control seepage. At least once per month, the Permittee shall inspect the sides and bottom (if visible) of all wastewater ponds for signs of damage and leakage, and any pond leak detection systems that are in service. Leaking ponds shall be removed from service, or operated in a manner to prevent discharge, until repairs are made or replacement ponds are constructed.
4. Pond liner certifications and all liner construction and repair documentation shall be maintained by the Permittee for the life of the facility and be made available for TCEQ personnel for inspection and review.
5. Any new or modified wastewater ponds shall be adequately lined to control seepage in accordance with 30 TAC §217.203 **and** 30 TAC 309.13(d) since the facility overlies the recharge zone of an aquifer. The Permittee shall submit the liner certification for a newly-constructed or modified wastewater pond to the Water Quality Assessment Team (MC-150), the TCEQ San Antonio Regional Office (MC-Region 13), and the TCEQ Compliance Monitoring Section (MC-224) within 30 days of completion and prior to use. The certification shall be signed and sealed by a Texas-licensed professional engineer and include a description of how the liner meets the requirements of 30 TAC §217.203 **and** 30 TAC §309.13(d).

Hannah Zellner

From: Madelyn Flores <Madelyn.Flores@tpwd.texas.gov>
Sent: Wednesday, October 2, 2024 12:42 PM
To: Hannah Zellner; Mara Guerin
Cc: James Harden; SP TCEQ; Stephen Abbott
Subject: Re: WQ0011480001- Preliminary NOD
Attachments: 10054 LBJ Tech Report - Worksheet 3.0.pdf; Annual Cropping Plan.docx; Groundwater Quality Technical Report.docx; sitedrawing.pdf; Tech Report Section 1.pdf; USGS Map.pdf; LBJ Soil Report.pdf; Soil Memo.pdf

Good afternoon,

I am sending this email on behalf of James Harden.

We have made the following changes to address the deficiencies identified in the preliminary review of the technical report.

Geology Items

- The additional water wells were added to the USGS Well Map (USGS Map.pdf) and Table 3.0(3) - Water Well Data (10054 LBJ Tech Report - Worksheet 3.0.pdf).
- Water well #5752106 information was updated in Table 3.0(3) - Water Well Data (10054 LBJ Tech Report - Worksheet 3.0.pdf).
- The effluent storage pond and Wastewater treatment plant were labeled in USGS Map.pdf.
- The following maps have been updated to show consistent irrigation areas: USGS Map.pdf, sitedrawing.pdf, and LBJ Soil Report.pdf.
- The Groundwater Quality Technical Report is attached as Groundwater Quality Technical Report.docx

Agronomy Items

- The Permitted Flows for the Final Phase Design Flow are listed in Tech Report Section 1.pdf.
- Additional sampling will be done for Section 7, Table 1.0(2).
- Section 2. Land Application Site(s) Table 3.0(1) is updated in 10054 LBJ Tech Report - Worksheet 3.0.pdf.
- Section 5. Annual Cropping Plan is updated in Annual Cropping Plan.docx.
- The soil samples were taken on August 20, 2024. We are still waiting for the results of the soil analysis to be returned from the lab.
- The LBJ Soil Report.pdf reflects the area where soil samples were taken for the soil analysis (Soil Memo.pdf).

Best,

Madelyn Flores
Facilities Management Intern
State Parks

Texas Parks and Wildlife Department
madelyn.flores@tpwd.texas.gov

From: James Harden <James.Harden@tpwd.texas.gov>
Sent: Wednesday, September 18, 2024 2:33 PM
To: Madelyn Flores <Madelyn.Flores@tpwd.texas.gov>
Subject: FW: WQ0011480001- Preliminary NOD

Here you go

James Harden

James Harden
Director Facility Management
Texas State Parks
Texas Parks and Wildlife Department
Phone (512) 389-4301
Cell (806) 778-1348

From: Hannah Zellner <Hannah.Zellner@Tceq.Texas.Gov>
Sent: Wednesday, September 18, 2024 10:21 AM
To: James Harden <James.Harden@tpwd.texas.gov>; stephon.abbott@tpwd.texas.gov
Cc: Mara Guerin <Mara.Guerin@tceq.texas.gov>
Subject: WQ0011480001- Preliminary NOD

Good morning,

The Water Quality Assessment (WQA) Team of the Texas Commission on Environmental Quality has completed a preliminary review of the permit application information and identified deficiencies (attached) that must be addressed before the WQA Team can continue with the technical review. The deficient item(s) will require your response in a timely, complete, and accurate manner.

An accurate and complete revised permit application is essential for making recommendations to the commission regarding whether this permit should be issued. Based on the information provided in the application, the executive director does not have sufficient information to make a recommendation. Therefore, you must send updated technically complete and accurate information within **14 days** (October 2) of the date of this email.

Any revisions can be sent electronically to myself or Mara Guerin. Please let us know if you have any questions.

Hannah Zellner, P.G.

Water Quality Assessment Team/Water Quality Division
Texas Commission on Environmental Quality
MC-150
PO Box 13087
Austin, TX 78711-3087

512-239-2908

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 3.0: LAND DISPOSAL OF EFFLUENT

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

Section 1. Type of Disposal System (Instructions Page 68)

Identify the method of land disposal:

- ☐ Surface application
- ☐ Subsurface application
- ☒ Irrigation
- ☐ Subsurface soils absorption
- ☐ Drip irrigation system
- ☐ Subsurface area drip dispersal system
- ☐ Evaporation
- ☐ Evapotranspiration beds
- ☐ Other (describe in detail): Click to enter text.

NOTE: All applicants without authorization or proposing new/amended subsurface disposal MUST complete and submit Worksheet 7.0.

For existing authorizations, provide Registration Number: Click to enter text.

Section 2. Land Application Site(s) (Instructions Page 68)

In table 3.0(1), provide the requested information for the land application sites. Include the agricultural or cover crop type (wheat, cotton, alfalfa, bermuda grass, native grasses, etc.), land use (golf course, hayland, pastureland, park, row crop, etc.), irrigation area, amount of effluent applied, and whether or not the public has access to the area. Specify the amount of land area and the amount of effluent that will be allotted to each agricultural or cover crop, if more than one crop will be used.

Table 3.0(1) – Land Application Site Crops

Crop Type & Land Use	Irrigation Area (acres)	Effluent Application (GPD)	Public Access? Y/N
Native grasses & Display agriculture	4.8 acres	9000	No

Section 3. Storage and Evaporation Lagoons/Ponds (Instructions Page 68)

Table 3.0(2) – Storage and Evaporation Ponds

Pond Number	Surface Area (acres)	Storage Volume (acre-feet)	Dimensions	Liner Type
1	0.07	0.36	56’ x 56’ x 6’ Trapezoid shape	Compacted clay

Attach a copy of a liner certification that was prepared, signed, and sealed by a Texas licensed professional engineer for each pond.

Attachment: Click to enter text.

Section 4. Flood and Runoff Protection (Instructions Page 68)

Is the land application site within the 100-year frequency flood level?

☐ Yes ☒ No

If yes, describe how the site will be protected from inundation.

Click to enter text.

Provide the source used to determine the 100-year frequency flood level:

Flood Hazard Boundary Map, Gillespie County. Panel #4806960012A

Provide a description of tailwater controls and rainfall run-on controls used for the land application site.

Pond is banked higher than surrounding area

Section 5. Annual Cropping Plan (Instructions Page 68)

Attach an Annual Cropping Plan which includes a discussion of each of the following items. If not applicable, provide a detailed explanation indicating why. **Attachment**: Attachment T4

- Soils map with crops
- Cool and warm season plant species
- Crop yield goals
- Crop growing season
- Crop nutrient requirements
- Additional fertilizer requirements
- Minimum/maximum harvest height (for grass crops)
- Supplemental watering requirements
- Crop salt tolerances
- Harvesting method/number of harvests
- Justification for not removing existing vegetation to be irrigated

Section 6. Well and Map Information (Instructions Page 69)

Attach a USGS map with the following information shown and labeled. If not applicable, provide a detailed explanation indicating why. **Attachment**: Attachment T5

- The boundaries of the land application site(s)
- Waste disposal or treatment facility site(s)
- On-site buildings
- Buffer zones
- Effluent storage and tailwater control facilities
- All water wells within 1-mile radius of the disposal site or property boundaries
- All springs and seeps onsite and within 500 feet of the property boundaries
- All surface waters in the state onsite and within 500 feet of the property boundaries
- All faults and sinkholes onsite and within 500 feet of the property

List and cross reference all water wells located within a half-mile radius of the disposal site or property boundaries shown on the USGS map in the following table. Attach additional pages as necessary to include all of the wells.

Table 3.0(3) – Water Well Data

Well ID	Well Use	Producing? Y/N	Open, cased, capped, or plugged?	Proposed Best Management Practice
5752106	TPWD LBJ State Park Water Supply Well Used for livestock and Irrigation	Y	cased	
5751302	Unused	N	plugged	
5751303	Public Water Supply	Y	cased	
5751311	Stock	Y	cased	
5751310	Stock	Y	cased	
5751315	Irrigation	Y	Cased	
23492	New Well for Proposed Domestic Use	N	Plugged	
23494	New Well for Proposed Domestic Use		Cased	
23582	New Well for Proposed Domestic Use	N	Plugged	
30300	New Well for Proposed Domestic Use	Y	Cased	
34664	New Well for Proposed Domestic Use	Y	Cased	
108981	New Well for Proposed Domestic Use	Y	Cased	
382774	New Well for Proposed Domestic Use	Y	Cased	

Well ID	Well Use	Producing? Y/N	Open, cased, capped, or plugged?	Proposed Best Management Practice
41409	Withdrawal of Water	N	Plugged	

If water quality data or well log information is available please include the information in an attachment listed by Well ID.

Attachment: Attachment T6

Section 7. Groundwater Quality (Instructions Page 69)

Attach a Groundwater Quality Technical Report which assesses the impact of the wastewater disposal system on groundwater. This report shall include an evaluation of the water wells (including the information in the well table provided in Item 6. above), the wastewater application rate, and pond liners. Indicate by a check mark that this report is provided.

Attachment: N/A

Are groundwater monitoring wells available onsite? ☐ Yes ☐ No

Do you plan to install ground water monitoring wells or lysimeters around the land application site? ☐ Yes ☒ No

If yes, provide the proposed location of the monitoring wells or lysimeters on a site map.

Attachment: N/A

Section 8. Soil Map and Soil Analyses (Instructions Page 70)

A. Soil map

Attach a USDA Soil Survey map that shows the area to be used for effluent disposal.

Attachment: Attachment T7

B. Soil analyses

Attach the laboratory results sheets from the soil analyses. **Note**: for renewal applications, the current annual soil analyses required by the permit are acceptable as long as the test date is less than one year prior to the submission of the application.

Attachment: Attachment T8

List all USDA designated soil series on the proposed land application site. Attach additional pages as necessary.

Table 3.0(4) – Soil Data

Soil Series	Depth from Surface	Permeability	Available Water Capacity	Curve Number
Vac, Vashti Campair Ap	0-14 inches, Loamy fine sand	0.6 – 2.0 inches/ hour	0.10 – 0.15 inches of water per inch of soil	55

Soil Series	Depth from Surface	Permeability	Available Water Capacity	Curve Number
Vac, Vashti Campair Bt	14- 48 inches Sandy Clay Loam	0.6 – 2.0 inches/ hour	0.10 – 0.15 inches of water per inch of soil	55
Vac, Vashti Campair R	38 – 40 inches strongly cemented sandstone	0.6 – 2.0 inches/ hour	0.10 – 0.15 inches of water per inch of soil	55
PeC, Pedernales Ap	0 – 11 inches, Fine sandy loam	0.2 – 0.6 inches/ hour	0.14 – 0.18 inches per water per inch of soil	61
PeC, Pedernales Bt	11 – 37 inches, sandy clay	0.2 – 0.6 inches/ hour	0.14 – 0.18 inches per water per inch of soil	61
Pec, Pedernales Btk	37 – 43 inches, sandy clay loam	0.2 – 0.6 inches/ hour	0.14 – 0.18 inches per water per inch of soil	61
Pec, Pedernales BCtk	43 – 80 inches, sandy clay loam	0.2 – 0.6 inches/ hour	0.14 – 0.18 inches per water per inch of soil	61

Section 9. Effluent Monitoring Data (Instructions Page 71)

Is the facility in operation?

☒ Yes ☐ No

If no, this section is not applicable and the worksheet is complete.

If yes, provide the effluent monitoring data for the parameters regulated in the existing permit. If a parameter is not regulated in the existing permit, enter N/A.

Table 3.0(5) – Effluent Monitoring Data

Date	30 Day Avg Flow MGD	BOD5 mg/l	TSS mg/l	pH	Chlorine Residual mg/l	Acres irrigated
6/24	669.67	2.56	47.87	8.4	5.37	1.5
5/24	1048.93	<1.0	48	7.2	4.11	1.5
4/24	180	2.19	62.83	8.4	3.6	1.5

Date	30 Day Avg Flow MGD	BOD5 mg/l	TSS mg/l	pH	Chlorine Residual mg/l	Acres irrigated
3/24	154.44	3.9	58.97	8.6	3.43	1.5
2/24	156.78	3	68.62	8.3	4.73	1.5
1/24	17.79	5.49	54.86	8.1	5.32	1.5
12/23	114.48	3.4	45.47	8.4	5.85	1.5
11/23	160.34	2.33	36.79	8.5	5.97	1.5
10/23	289.66	7.79	33.9	8.2	5.01	1.5
9/23	557.93	4.58	43.3	8.8	4.65	1.5
8/23	703	<1.0	32.26	8.8	4.51	1.5
7/23	1492.48	2.76	32.45	8.2	4.29	1.5
6/23	845.36	3.6	33.93	8.7	3.7	1.5
5/23	936.9	6.07	32.7	8.2	3.08	1.5
4/23	367	<1.0	28.23	8.4	4.07	1.5
3/23	357.42	7.16	26.48	8.1	3.65	1.5
2/23	282.96	1.57	29.73	8.3	3.49	1.5
1/23	173.79	1.67	31.8	8.1	5.33	1.5
12/22	350.77	5.3	30.74	8.9	6.09	1.5
11/22	243.97	3.24	27.31	8.8	5.53	1.5
10/22	350	2.3	24.24	8	5.02	1.5
9/22	830.69	3.55	25.86	7.8	5.3	1.5
8/22	705.81	<1.0	30.29	7.5	3.55	1.5
7/22	860.81	<1.0	33.68	8.6	3.73	1.5

Provide a discussion of all persistent excursions above the permitted limits and any corrective actions taken.

Click to enter text.

Annual Cropping Plan

The effluent irrigation field consists of native vegetation and is outlined on the soil map. TPWD does not utilize cropping on the effluent irrigation field in that no set quality of the crop is planted per acre with the intention of grazing or harvesting for a set yield. Therefore, there is no warm or cool season cropping, no requirement for nutrients, supplemental watering, or fertilization. In place of cropping and subsequent harvesting, TPWD utilizes management of the irrigation field through mowing with clippings removal to control any buildup of nutrients.

In summary:

Soils map with crops – see map in Attachment Section

Cool and warm season plant species – native grasses

Crop yield goals – none

Crop growing season – year-round

Crop nutrient requirements – none

Additional fertilizer requirements – none

Minimum/Maximum harvest height – 6 to 18 inches

Supplemental watering requirements – none

Crop salt tolerances – not applicable

Harvesting method/number of harvests – as needed

Justification for not removing existing vegetation to be irrigated – as needed

Groundwater Quality Technical Report
TPWD LBJ State Park

In accordance with 30 TAC 309.20(a)(4)(A and B), this report provides an assessment of the impact of the wastewater disposal operation on the uses of local groundwater resources.

The Bureau of Economic Geology's Geological Atlas of Texas, Llano Sheet, indicates that TPWD LBJ State Park, including the wastewater effluent pond and irrigation areas, overlies the Cretaceous Hensell Sand formation. See the attached map excerpt.

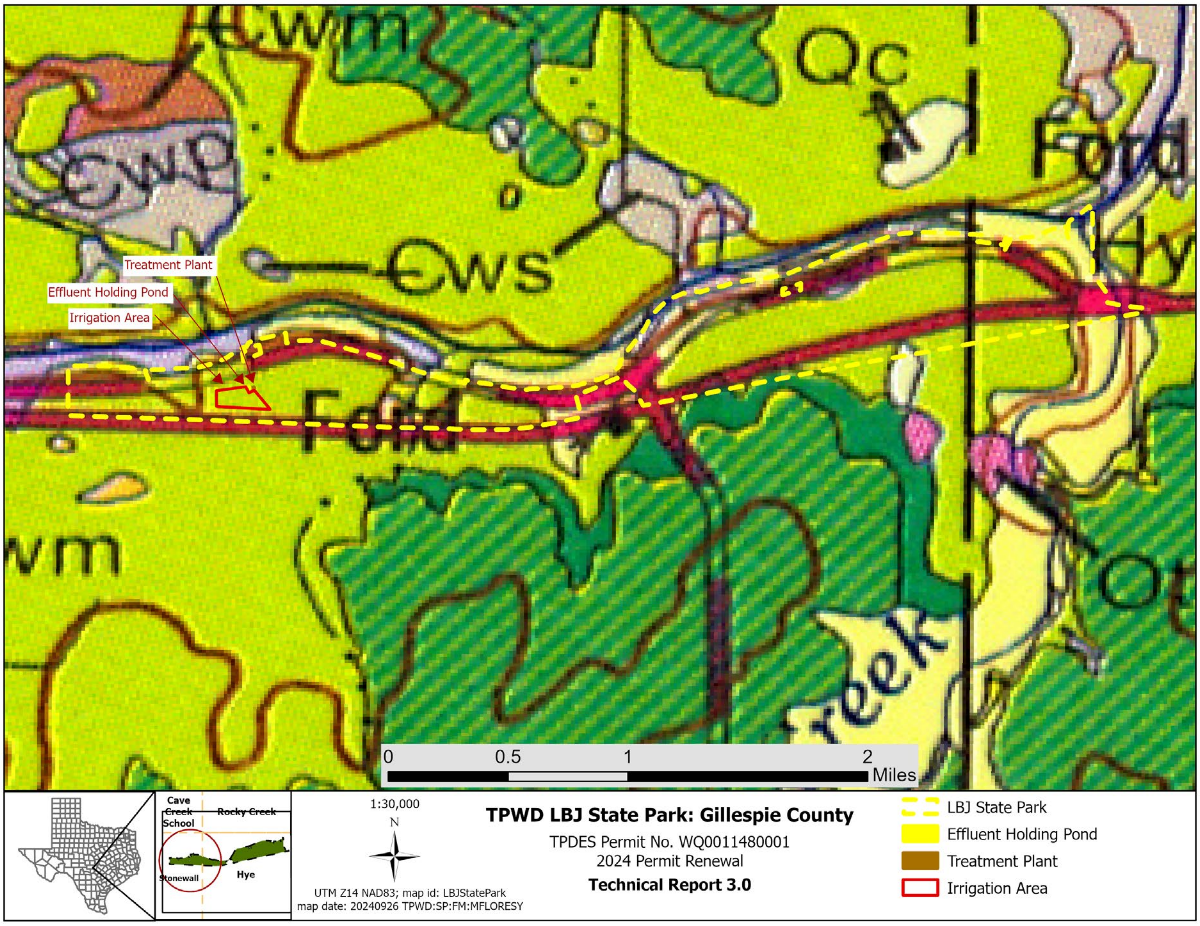
Per the table attached in response to Domestic Worksheet 3.0, Table 3.0(3) – Water Well Data, there appear to be six groundwater wells within a ½ mile radius of the irrigation site boundaries. Total depts reported for these six wells varied from 71 to 340 feet below ground surface (bgs). It appears that the wells were completed in the Cow Creek or Glen Rose limestone of the Hensell Sand formation. None of the wells are located within a 150 feet radius of the irrigation site. Water well 5752106 and 5251303 are public water supply wells within a ½ mile radius of the irrigation area. The well is owned by TPWD LBJ State Park and used for livestock and irrigation. There are no known recharge features such as wells, springs, sinkholes, or similar on site. Water well 5751302 is currently unused while the other wells are used for irrigation, stock, or are new wells with proposed domestic use. The best management practice for the wells is meeting the bugger zone distances per 30 TAC 309.13. Applicable buffer zone distances will continue to be maintained.

Out of the six wells completed within a ½ mile of the irrigation area, well screening and completion information was available for all wells. The water well identified as 34664 appears to have produced groundwater from a gray limestone layer. Water well 108981 appears to have produced water from a gray oily limestone layer, Water wells 5751302, 5751315, 5752106, and 5751303 appear to have produced water from the Sab Saba Limestone layer. This information comes from available well logs available through Texas Water Development Board's Water Data Interactive well viewer.

The wastewater effluent is used to irrigate adjacent agricultural land. The effluent applied to the land has a maximum application rate, as a permit limit, to ensure that the effluent is taken up by the crop root systems. The agronomic application rate ensures that potential contaminants do not migrate below the rooting zone.

The soil USDA NRCS report and map (see Domestic Technical Report Attachment XX) indicate that the topsoils at the wastewater pond system site and irrigation areas are sandy loams, sandy clay loams, and loamy sands. Since the soils may be permeable, the wastewater effluent pond is lined with a compacted clay liner. This clay liner acts as a barrier to prevent effluent from seeping into the underlying groundwater. The liner's low permeability ensures that the effluent remains contained within the pond, thereby reducing the risk of groundwater contamination.

In summary, the wastewater treatment plant and the effluent irrigation system are not anticipated to negatively impact the uses of groundwater resources.


Treatment Plant
Effluent Holding Pond
Irrigation Area
0 0.5 1 2 Miles
Cave Creek School
Rocky Creek
Stonewall
Hye
1:30,000
N
UTM Z14 NAD83; map id: LBJStatePark
map date: 20240926 TPWD:SP:FM:MFLORESY
TPWD LBJ State Park: Gillespie County
TPDES Permit No. WQ0011480001
2024 Permit Renewal
Technical Report 3.0
LBJ State Park
Effluent Holding Pond
Treatment Plant
Irrigation Area

United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Gillespie County, Texas

September 27, 2024

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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Contents

How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map

Map Scale: 1:1,700 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0 25 50 100 150

Feet: 0 50 100 200 300

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 14N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Gillespie County, Texas
Survey Area Data: Version 19, Sep 5, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Dec 15, 2019—Dec 19, 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
PeC	Pedernales fine sandy loam, 3 to 5 percent slopes	0.3	3.4%
VaC	Campair loamy fine sand, 1 to 5 percent slopes	7.7	96.6%
Totals for Area of Interest		**8.0**	**100.0%**

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however,

onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Gillespie County, Texas

PeC—Pedernales fine sandy loam, 3 to 5 percent slopes

Map Unit Setting

National map unit symbol: 2t2mc
Elevation: 670 to 2,000 feet
Mean annual precipitation: 26 to 32 inches
Mean annual air temperature: 65 to 67 degrees F
Frost-free period: 220 to 240 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Pedernales and similar soils: 91 percent
Minor components: 9 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pedernales

Setting

Landform: Hillslopes
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Base slope
Down-slope shape: Linear
Across-slope shape: Convex
Parent material: Calcareous loamy slope alluvium over residuum weathered from sandstone

Typical profile

Ap - 0 to 11 inches: fine sandy loam
Bt - 11 to 37 inches: sandy clay
Btk - 37 to 43 inches: sandy clay loam
BCtk - 43 to 80 inches: sandy clay loam

Properties and qualities

Slope: 3 to 5 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 35 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Moderate (about 8.8 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: C
Ecological site: R082AY378TX - Tight Sandy Loam 25-32 PZ
Hydric soil rating: No

Minor Components

Hensley

Percent of map unit: 3 percent
Landform: Hillslopes
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Ecological site: R081BY340TX - Redland 23-31 PZ
Hydric soil rating: No

Hye

Percent of map unit: 3 percent
Landform: Hillslopes
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Base slope
Down-slope shape: Convex
Across-slope shape: Convex
Ecological site: R082AY369TX - Red Sandy Loam 25-32 PZ
Hydric soil rating: No

Luckenbach

Percent of map unit: 2 percent
Landform: Stream terraces
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R081BY326TX - Clay Loam 23-31 PZ
Hydric soil rating: No

Doss

Percent of map unit: 1 percent
Landform: Hillslopes
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R081CY574TX - Shallow 29-35 PZ
Hydric soil rating: No

VaC—Campair loamy fine sand, 1 to 5 percent slopes

Map Unit Setting

National map unit symbol: 30gjq
Elevation: 1,350 to 1,900 feet
Mean annual precipitation: 31 to 34 inches
Mean annual air temperature: 64 to 66 degrees F
Frost-free period: 215 to 240 days
Farmland classification: Prime farmland if irrigated

Map Unit Composition

Campair and similar soils: 97 percent
Minor components: 3 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Campair

Setting

Landform: Hillslopes
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Residuum weathered from sandstone

Typical profile

Ap - 0 to 14 inches: loamy fine sand
Bt - 14 to 38 inches: sandy clay loam
R - 38 to 60 inches: bedrock

Properties and qualities

Slope: 1 to 5 percent
Depth to restrictive feature: 20 to 39 inches to lithic bedrock
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 2 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 5.0 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: C
Ecological site: R082AY368TX - Loamy Sand 25-32 PZ
Hydric soil rating: No

Minor Components

Loneoak

Percent of map unit: 2 percent
Landform: Hillslopes
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve
Down-slope shape: Concave
Across-slope shape: Linear
Ecological site: R082AY372TX - Sandy 25-32 PZ
Hydric soil rating: No

Heaton

Percent of map unit: 1 percent

Landform: Hillslopes
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve
Down-slope shape: Concave
Across-slope shape: Linear
Ecological site: R082AY372TX - Sandy 25-32 PZ
Hydric soil rating: No

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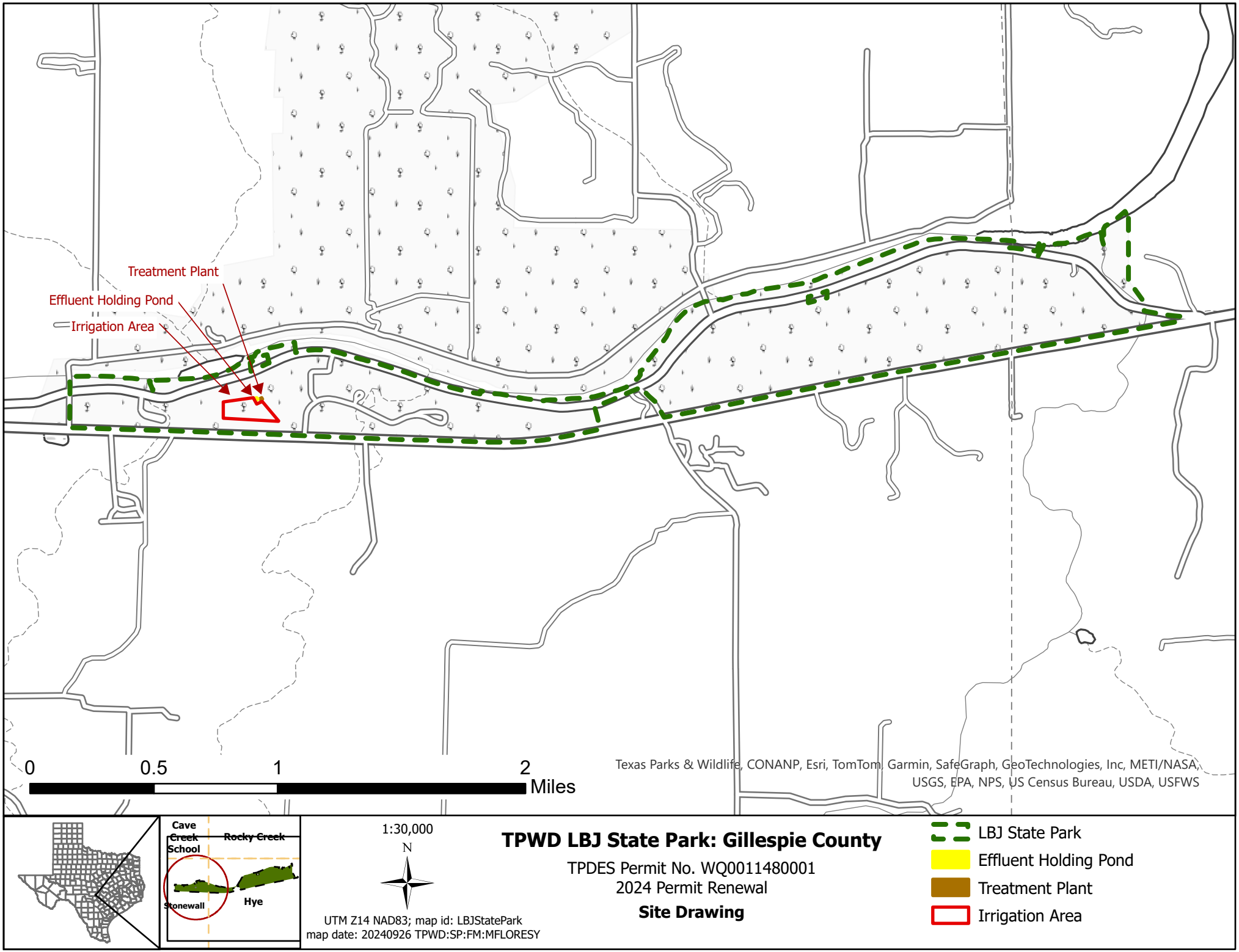
United States Department of Agriculture, Natural Resources Conservation Service. 2006. Land resource regions and major land resource areas of the United States, the Caribbean, and the Pacific Basin. U.S. Department of Agriculture Handbook 296. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053624

United States Department of Agriculture, Soil Conservation Service. 1961. Land capability classification. U.S. Department of Agriculture Handbook 210. http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_052290.pdf


Treatment Plant
Effluent Holding Pond
Irrigation Area
0
0.5
1
2
Miles
Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS
Cave Creek School
Rocky Creek
Stonewall
Hye
1:30,000
N
UTM Z14 NAD83; map id: LBJStatePark
map date: 20240926 TPWD:SP:FM:MFLORESY
TPWD LBJ State Park: Gillespie County
TPDES Permit No. WQ0011480001
2024 Permit Renewal
Site Drawing
LBJ State Park
Effluent Holding Pond
Treatment Plant
Irrigation Area

TEXAS PARKS & WILDLIFE

Life's better outside.®

August 22, 2024

Application Review and Processing Team
Texas Commission on Environmental
Quality P.O. Box 13087
Austin, Texas 78711-3087

Re: LBJ State Park WWTF
TCEQ Permit/ID No. WQ0011480001
Permit Renewal Application

Concerning the permit renewal application for the Texas Parks and Wildlife Department (TPWD) LBJ State Park Wastewater Treatment Facility (WWTF). Please note that samples as required by the Technical Report, Form No. 10054, Section 8, Soil Map and Soil Analyses, are not available at this time. The samples were collected on August 20, 2024, and sent to the laboratory the same day. The results of the Laboratory analyses will be provided as soon as they are available.

If you have any questions concerning the soil analysis, please contact me at (512) 389-4301.

Sincerely,

James Harden
Facilities Management Director

JH

4200 SMITH SCHOOL ROAD
AUSTIN, TEXAS 78744-3291
512.389.4800
www.tpwd.texas.gov

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): N/A

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

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

B. Interim II Phase

Design Flow (MGD): N/A

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

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

C. Final Phase

Design Flow (MGD): .009

2-Hr Peak Flow (MGD): .003

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

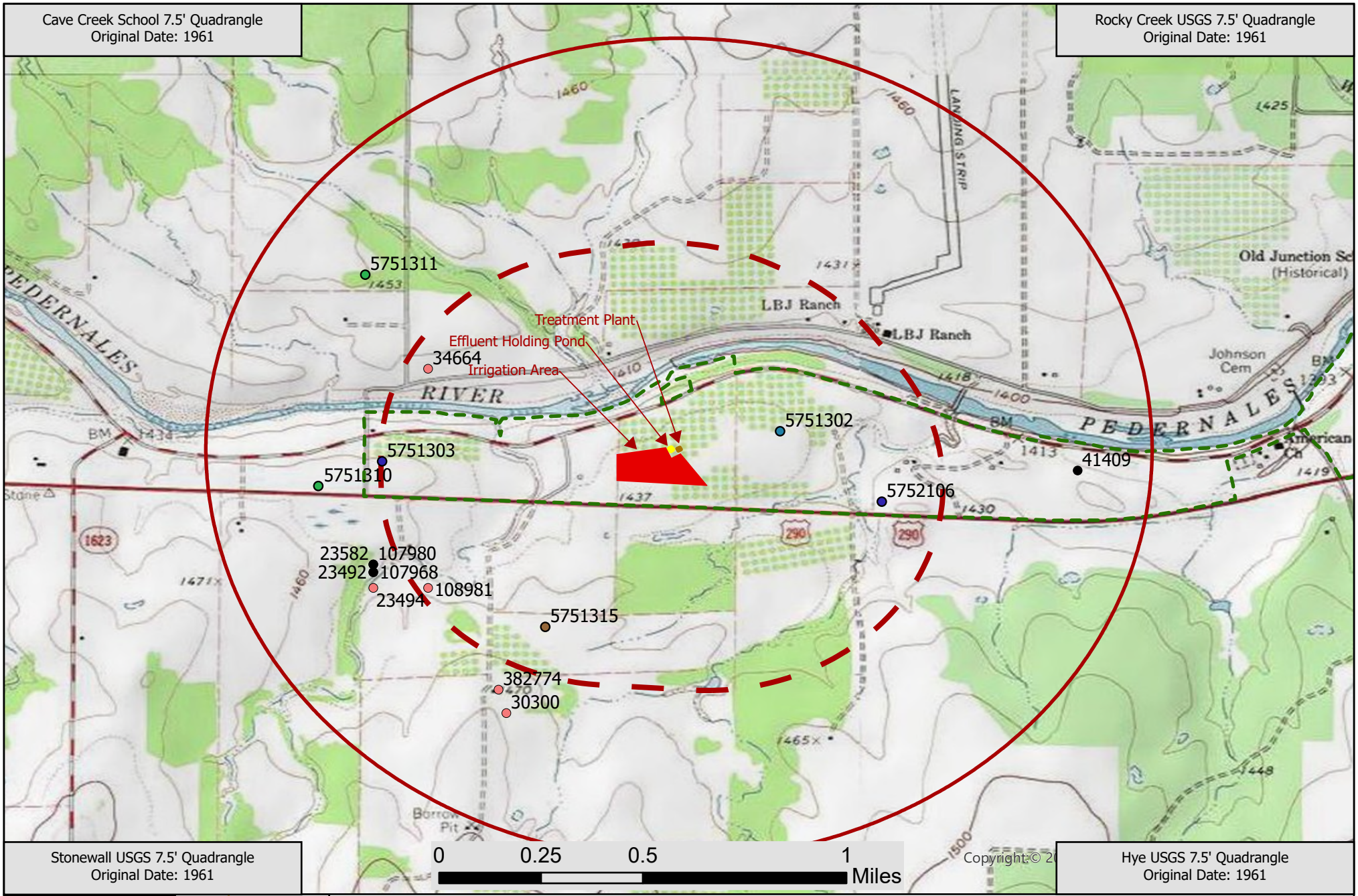
D. Current Operating Phase

Provide the startup date of the facility: Final

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


Cave Creek School 7.5' Quadrangle
Original Date: 1961
Rocky Creek USGS 7.5' Quadrangle
Original Date: 1961
Stonewall USGS 7.5' Quadrangle
Original Date: 1961
Hye USGS 7.5' Quadrangle
Original Date: 1961
Treatment Plant
Effluent Holding Pond
Irrigation Area
5751311
34664
5751303
5751310
5751302
41409
5752106
23582
107980
23492
107968
23494
108981
5751315
382774
30300
LBJ Ranch
PEDERNALES RIVER
0
0.25
0.5
1
Miles
Cave Creek School
Rocky Creek
Stonewall
Hye
1:20,000
N
UTM Z14 NAD83; map id: LBJStatePark
map date: 20240926 TPWD:SP:FM:MFLORESY
TPWD LBJ State Park: Gillespie County
TPDES Permit No. WQ0011480001
2024 Permit Renewal
Technical Report 2.0
Primary Use of Well:
Irrigation
Public Supply
Stock
Unused
New Domestic Well
Plugged
LBJ State Park
Effluent Holding Pond
Treatment Plant
Irrigation Area
1 Mile Radius
0.5 Mile Buffer

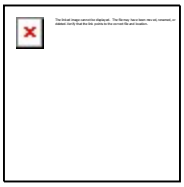
Mara Guerin

From: Mara Guerin
Sent: Tuesday, October 22, 2024 4:58 PM
To: Stephen Abbott; Madelyn Flores; Hannah Zellner
Cc: James Harden; SP TCEQ; Nina Cardenas; DennisEdd Smith; Keith Helmers
Subject: RE: WQ0011480001- Preliminary NOD

Hello,

Thank you for providing the results.

With appreciation,
Mara Guerin
Modeling & Assessment Specialist
Water Quality Assessment
512-239-4532



From: Stephen Abbott <Stephen.Abbott@tpwd.texas.gov>
Sent: Monday, October 21, 2024 12:38 PM
To: Madelyn Flores <Madelyn.Flores@tpwd.texas.gov>; Mara Guerin <Mara.Guerin@tceq.texas.gov>; Hannah Zellner <Hannah.Zellner@Tceq.Texas.Gov>
Cc: James Harden <James.Harden@tpwd.texas.gov>; SP TCEQ <SPTCEQ@tpwd.texas.gov>; Nina Cardenas <Nina.Cardenas@tpwd.texas.gov>; DennisEdd Smith <DennisEdd.Smith@tpwd.texas.gov>; Keith Helmers <Keith.Helmers@tpwd.texas.gov>
Subject: RE: WQ0011480001- Preliminary NOD

Here are the results from the nitrate nitrogen test

Stephen C. Abbott
Lead Ranger
LBJ State Park and Historic Site
Stonewall Texas
(830) 644-8015

From: Madelyn Flores <Madelyn.Flores@tpwd.texas.gov>
Sent: Wednesday, October 16, 2024 4:17 PM
To: Mara Guerin <Mara.Guerin@tceq.texas.gov>; Hannah Zellner <Hannah.Zellner@Tceq.Texas.Gov>
Cc: James Harden <James.Harden@tpwd.texas.gov>; SP TCEQ <SPTCEQ@tpwd.texas.gov>; Stephen Abbott <Stephen.Abbott@tpwd.texas.gov>
Subject: Re: WQ0011480001- Preliminary NOD

Good afternoon,

Additional samples were taken yesterday (10/15/24) to address the elevated nitrate nitrogen levels. It was put in as a rush order, and we are now awaiting the results from the lab.

Thank you,

Madelyn Flores
Facilities Management Intern
State Parks
Texas Parks and Wildlife Department
madelyn.flores@tpwd.texas.gov

From: Madelyn Flores <Madelyn.Flores@tpwd.texas.gov>
Sent: Tuesday, October 8, 2024 1:29 PM
To: Mara Guerin <Mara.Guerin@tceq.texas.gov>; Hannah Zellner <Hannah.Zellner@Tceq.Texas.Gov>
Cc: James Harden <James.Harden@tpwd.texas.gov>; SP TCEQ <SPTCEQ@tpwd.texas.gov>; Stephen Abbott <Stephen.Abbott@tpwd.texas.gov>
Subject: Re: WQ0011480001- Preliminary NOD

Good afternoon,

I will confirm the sampling timeline with the park and get that information to you as soon as possible.

Thank you,

Madelyn Flores
Facilities Management Intern
State Parks
Texas Parks and Wildlife Department
madelyn.flores@tpwd.texas.gov

From: Mara Guerin <Mara.Guerin@tceq.texas.gov>
Sent: Tuesday, October 8, 2024 1:14 PM
To: Madelyn Flores <Madelyn.Flores@tpwd.texas.gov>; Hannah Zellner <Hannah.Zellner@Tceq.Texas.Gov>
Cc: James Harden <James.Harden@tpwd.texas.gov>; SP TCEQ <SPTCEQ@tpwd.texas.gov>; Stephen Abbott <Stephen.Abbott@tpwd.texas.gov>
Subject: RE: WQ0011480001- Preliminary NOD

Hello Madelyn,

Thank you for your response to the request for additional information regarding permit WQ0011480001. The response to Agronomy Item 2 indicated you will be submitting additional samples addressing the

elevated nitrate nitrogen levels. Please provide a timeline in which the sampling and testing will be performed. The submittal of the analyses is required by November 8, 2024.

Thank you,
Mara Guerin
Modeling & Assessment Specialist
Water Quality Assessment
512-239-4532

From: Madelyn Flores <Madelyn.Flores@tpwd.texas.gov>
Sent: Wednesday, October 2, 2024 12:42 PM
To: Hannah Zellner <Hannah.Zellner@Tceq.Texas.Gov>; Mara Guerin <Mara.Guerin@tceq.texas.gov>
Cc: James Harden <James.Harden@tpwd.texas.gov>; SP TCEQ <SPTCEQ@tpwd.texas.gov>; Stephen Abbott <Stephen.Abbott@tpwd.texas.gov>
Subject: Re: WQ0011480001- Preliminary NOD

Good afternoon,

I am sending this email on behalf of James Harden.

We have made the following changes to address the deficiencies identified in the preliminary review of the technical report.

Geology Items

- The additional water wells were added to the USGS Well Map (USGS Map.pdf) and Table 3.0(3) - Water Well Data (10054 LBJ Tech Report - Worksheet 3.0.pdf).
- Water well #5752106 information was updated in Table 3.0(3) - Water Well Data (10054 LBJ Tech Report - Worksheet 3.0.pdf).
- The effluent storage pond and Wastewater treatment plant were labeled in USGS Map.pdf.
- The following maps have been updated to show consistent irrigation areas: USGS Map.pdf, sitedrawing.pdf, and LBJ Soil Report.pdf.
- The Groundwater Quality Technical Report is attached as Groundwater Quality Technical Report.docx

Agronomy Items

- The Permitted Flows for the Final Phase Design Flow are listed in Tech Report Section 1.pdf.
- Additional sampling will be done for Section 7, Table 1.0(2).
- Section 2. Land Application Site(s) Table 3.0(1) is updated in 10054 LBJ Tech Report - Worksheet 3.0.pdf.
- Section 5. Annual Cropping Plan is updated in Annual Cropping Plan.docx.
- The soil samples were taken on August 20, 2024. We are still waiting for the results of the soil analysis to be returned from the lab.

- The LBJ Soil Report.pdf reflects the area where soil samples were taken for the soil analysis (Soil Memo.pdf).

Best,

Madelyn Flores
Facilities Management Intern
State Parks
Texas Parks and Wildlife Department
madelyn.flores@tpwd.texas.gov

From: James Harden <James.Harden@tpwd.texas.gov>
Sent: Wednesday, September 18, 2024 2:33 PM
To: Madelyn Flores <Madelyn.Flores@tpwd.texas.gov>
Subject: FW: WQ0011480001- Preliminary NOD

Here you go

James Harden

James Harden

Director Facility Management

Texas State Parks

Texas Parks and Wildlife Department

Phone (512) 389-4301

Cell (806) 778-1348

From: Hannah Zellner <Hannah.Zellner@Tceq.Texas.Gov>
Sent: Wednesday, September 18, 2024 10:21 AM
To: James Harden <James.Harden@tpwd.texas.gov>; stephon.abbott@tpwd.texas.gov
Cc: Mara Guerin <Mara.Guerin@tceq.texas.gov>
Subject: WQ0011480001- Preliminary NOD

Good morning,

The Water Quality Assessment (WQA) Team of the Texas Commission on Environmental Quality has completed a preliminary review of the permit application information and identified deficiencies (attached) that must be addressed before the WQA Team can continue with the technical review. The deficient item(s) will require your response in a timely, complete, and accurate manner.

An accurate and complete revised permit application is essential for making recommendations to the commission regarding whether this permit should be issued. Based on the information provided in the application, the executive director does not have sufficient information to make a recommendation. Therefore, you must send updated technically complete and accurate information within **14 days** (October 2) of the date of this email.

Any revisions can be sent electronically to myself or Mara Guerin. Please let us know if you have any questions.

Hannah Zellner, P.G.

Water Quality Assessment Team/Water Quality Division

Texas Commission on Environmental Quality

MC-150

PO Box 13087

Austin, TX 78711-3087

512-239-2908

Lab Report

Upper Guadalupe River Authority

Date: *10/16/2024*

125 Lehmann Dr. Suite 100, Kerrville, TX 78028
(830) 896-5445
TCEQ State Lab ID: T104704283

CLIENT: LBJ State Park
PO Box 238
Stonewall , TX 78671
stephen.abbott@tpwd.texas.gov
Ph: 8306448015

Lab Order: 2410312

Project: LBJ State Park
System ID No: Private

Lab ID: 2410312-001 **Collection Date/Time:** 10/15/2024 9:22
Sample Site: 2920 RR1 Plant Stonewall TX 78 **Source:** WASTE WATER EFFLUENT
Sampled By: Keith Helmers **Sample Type:** Grab
Field Cl2 Total: NA **Field Cl2 Free:** 2.8 mg/L

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
NITRATE AS N		**Method : EPA 300.0 (N)**				
Nitrogen, Nitrate	99	2.0		mg/L	50	10/15/2024 3:52:00 PM
NITRITE AS N		**Method : EPA 300.0 (N)**				
Nitrogen, Nitrite	<0.04	2.0		mg/L	50	10/15/2024 3:52:00 PM

Lab ID: 2410312-002 **Collection Date/Time:** 10/15/2024 9:26
Sample Site: Pond 2920 RR1 Stonewall TX 78 **Source:** WASTE WATER EFFLUENT
Sampled By: Keith Helmers **Sample Type:** Grab
Field Cl2 Total: NA **Field Cl2 Free:** NA

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
NITRATE AS N		**Method : EPA 300.0 (N)**				
Nitrogen, Nitrate	55	2.0		mg/L	50	10/15/2024 4:39:00 PM
NITRITE AS N		**Method : EPA 300.0 (N)**				
Nitrogen, Nitrite	1	2.0	J	mg/L	50	10/15/2024 4:39:00 PM

Quality Control sample results available upon request.

Suffix : (N) - NELAP Accredited Analysis

Qualifiers: Q - Data qualified: see Case Narrative. All required Quality Control was acceptable unless the result is flagged with a "Q" or otherwise noted in the Case Narrative.

Abbreviations : PQL – Practical Quantitation Limit; DF – Dilution Factor

Upper Guadalupe River Authority

Date: *10/16/2024*

125 Lehmann Dr. Suite 100, Kerrville, TX 78028
(830) 896-5445
TCEQ State Lab ID: T104704283

CLIENT: LBJ State Park
PO Box 238
Stonewall , TX 78671
stephen.abbott@tpwd.texas.gov
Ph: 8306448015

Lab Order: 2410312

Project: LBJ State Park
System ID No: Private

Lab ID: 2410312-003 **Collection Date/Time:** 10/15/2024 9:33
Sample Site: Influent 2920 RR1 Plant Stonewa **Source:**
Sampled By: Keith Helmers **Sample Type:** Grab
Field Cl2 Total: NA **Field Cl2 Free:** NA

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
NITRATE AS N		**Method : EPA 300.0 (N)**				
Nitrogen, Nitrate	98	2.0		mg/L	50	10/15/2024 5:02:00 PM
NITRITE AS N		**Method : EPA 300.0 (N)**				
Nitrogen, Nitrite	<0.04	2.0		mg/L	50	10/15/2024 5:02:00 PM

Signature: Nicole Shepherd
Nicole Shepherd, Lab Manager

Test Methods: Standard Methods for the Examination of Water and Wastewater; EPA Methods for Water and Wastewater; ASTM Int'l Standard Test Methods; Hach Methods

NELAP Accredited by TCEQ
For a list of Fields of Accreditation and current NELAP certificate, visit the Lab Services section of www.ugra.org

Compliance Statement: All laboratory analyses performed in connection with the generation of the data set forth in this report were undertaken in accordance with requirements applicable to the laboratory methods used, unless otherwise noted in an attached Case Narrative. Any known problems/ anomalies observed by this laboratory (and if applicable, laboratories subcontracted through this laboratory) that might affect the quality of the data have been identified in the Case Narrative. Results shown relate only to the samples tested. Any known problems associated with the quality of the samples have been identified in the Case Narrative. All required Quality Control associated with the samples was acceptable unless the result is qualified with a "Q" flag or otherwise noted in the Case Narrative. The use of the measured values in this report for regulatory compliance purposes must be evaluated by, and is solely the responsibility of, the customer.

Quality Control sample results available upon request.

Suffix : (N) - NELAP Accredited Analysis

Qualifiers: Q - Data qualified: see Case Narrative. All required Quality Control was acceptable unless the result is flagged with a "Q" or otherwise noted in the Case Narrative.

Abbreviations : PQL – Practical Quantitation Limit; DF – Dilution Factor

Upper Guadalupe River Authority Chain of Custody

UGRA Customer Information (please fill out completely) | **Reports will be emailed unless otherwise specified.**

Company Name: LBJ State Park	Email Address 1: [redacted] keith.helmers@tpwd.texas.gov
Primary Contact: Keith Helmers	Email Address 2: stephen.abbott@tpwd.texas.gov
Alternate Contact: Stephen Abbott	Phone Number: 512-923-7369
Mailing Address: PO Box 238	Do you need a RUSH (doubles price)?
City: Stonewall State: TX Zip: 78671	☐ No ☒ Yes

Laboratory Use Only
*Subcontracted To:
Sample Intact? Y N
Ice Present? (Y) N
Temperature: 18.2/18.1 °C
Container
Preservative: ST = Na2S2O3, S=H2SO4, N=HNO3, H=HCl, O=other ______
Preservation: ☑ = acceptable
Preservative Added: type
Preservative Added: date/time
Fraction

Project/System Name

Permit/System Number
WQ00 1480-001   No Permit (Private)

Samples Collected By: Keith Helmers
Sampler Phone #: 512-923-7369

pH and Dissolved Oxygen measurements should be taken in the field. Measurements taken in a laboratory should be taken within 15 minutes of collection. Since this holding time is nearly impossible to adhere to, please be aware that all pH and DO measurements taken after 15 minutes from collection will be qualified in the reports. Qualified results may not be acceptable for regulatory compliance purposes.

Comments:
*customer supplied containers

Reporting to a third party? circle one: HGCD TCEQ Lender Other______

	Total Coliform/E. Coli P/A	Standard	BOD or CBOD (circle one)	TSS	Total Coliform/E. Coli Counts	Nitrite Nitrate Nitrogen test
Container	U1	U2	U2	U2	U4	*
Preservative	ST	NA	NA	NA	ST	
		NA	NA	NA		
	NA	NA	NA	NA	NA	LD 10/15/24

Please mark tests to be run with an X

Sample Location	Date	Time	Res. Cl2	Sample Source	Sample Type	Tests	UGRA Work Order Number
2920 RR 1, Plant Stonewall, TX 78671 - Plant -	10/15/24	9:22 AM	2.8 (Free)	Waste Water (Effluent)	Grab (X)	Nitrite Nitrate Nitrogen: X	2410312-1
2920 RR1, Pond Stonewall, TX 78671	10/15/24	9:26 AM	Free / Total	Waste Water (Effluent)	Grab (X)	Nitrite Nitrate Nitrogen: X	2410312-2
2920 RR1, Plant Stonewall, TX 78671	10/15/24	9:33 AM	Free / Total	Raw / Treated / Effluent	Grab (X)	Nitrite Nitrate Nitrogen: X	2410312-3
		AM / PM	Free / Total	Raw / Treated / Effluent			

Sample Source options: Drinking Water (Raw / Treated), Waste Water (Raw / Effluent), Surface Water, Other ____. Sample Type options: Grab, Composite start date/time, other.

Relinquished By	Date	Time	Received By	Date	Time
Keith Helmers	10/15/24	10:27			
			Lan Sylman	10/15/24	10:27

MF
240 + 7.20 = 247.20
$ ~~240~~ LD 10/15/24 ☑ Paid
Cash CC Check Ref MC 027530

UGRA may subcontract testing to other labs. Subcontracted work will be identified in the report.
UGRA supplied containers: U1 = 120ml Sterile U2 = 2L HPDE no preservative U3 = 250ml HPDE preservative as noted U4 = 250ml Sterile S = bottle from subcontract lab

125 Lehmann Drive, Suite 100 Kerrville, TX 78028 Phone (830) 896-5445 Fax (830) 257-2621