



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 **

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.

Aqua Texas, Inc. (CN604062463) operates the Lakeside Utility Wastewater Treatment Facility RN101525715. a domestic wastewater treatment facility. The facility is located on Haynie Flat Road, approximately two miles north of the intersection of state highway 71 and Haynie Road, in Spicewood, Travis County, Texas 78669.

Request for renewal of permit authorizing the disposal of 120,000 GPD of treated domestic wastewater via surface irrigation. This permit will not authorize a discharge of pollutants into water in the state.

Discharges from the facility are expected to contain BOD(5), Total Suspended solids..Domestic wastewater is treated by **complete mix variation of the activated sludge process.**

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.

Aqua Texas, Inc. (CN604062463) opera la Instalación de Tratamiento de Aguas Residuales de Lakeside Utility RN101525715, una instalación de tratamiento de aguas residuales domésticas. La instalación está ubicada en Haynie Flat Road, aproximadamente dos millas al norte de la intersección de State Highway 71 y Haynie Road, en Spicewood, Condado de Travis, Texas 78669.

Solicitud de renovación de permiso que autoriza la disposición de 120,000 GPD de aguas residuales domésticas tratadas mediante riego superficial. Este permiso no autorizará una descarga de contaminantes al agua del estado.

Se espera que las descargas de la instalación contengan BOD(5), Sólidos Suspendidos Totales. Las aguas residuales domésticas se tratan mediante **una variación completa de la mezcla del proceso de lodos activados.**

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

PERMIT NO. WQ0013477001

APPLICATION. Aqua Texas, Inc., 1106 Clayton Lane, Suite 400W, Austin, Texas 78723, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Land Application Permit (TLAP) No. WQ0013477001 to authorize the disposal of treated wastewater at a volume not to exceed a daily average flow of 160,000 gallons per day via surface irrigation of 193 acres of golf course. The domestic wastewater treatment facility and disposal area are located approximately 2 miles north of the intersection of Haynie Road and State Highway 71, in Travis County, Texas 78669. TCEQ received this application on June 27, 2024. The permit application will be available for viewing and copying at Spicewood Community Library, 1011 Spur 191, Spicewood, in Travis 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=-98.092222,30.455277&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 Aqua Texas, Inc. at the address stated above or by calling Mr. Abel Bautista, Wastewater Compliance Coordinator, at 281-651-0174.

Issuance Date: July 16, 2024

Comisión de Calidad Ambiental del Estado de Texas



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

PERMISO NO. WQ0013477001

SOLICITUD. Aqua Texas, Inc., 1106 Clayton Lane, Suite 400W, Austin, Texas 78723, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso para la Aplicación en Terrenos de Texas (TLAP) No. WQ0013477001 para autorizar la disposición de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 120,000 galones por día vía la irrigación de superficie de 193 acres de un campo de golf. La instalación de tratamiento de aguas residuales domésticas y el sitio de disposición están ubicados aproximadamente 2 millas al norte de la intersección de Haynie Road y State Highway 71, en el Condado de Travis, Texas 78669. La TCEQ recibió esta solicitud el 27 de junio de 2024. La solicitud del permiso está disponible para leerla y copiarla en la Biblioteca de la Comunidad de Spicewood, 1011 Spur 191, Spicewood, en el Condado de Travis, Texas, antes de la fecha de publicación de este aviso en el periódico. La solicitud, incluidas las actualizaciones y los avisos asociados, están disponibles electrónicamente en la siguiente página web:

<https://www.tceq.texas.gov/permitting/wastewater/pendingpermits/tlap-applications>. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-98.092222,30.455277&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. Además, puede pedir que la TCEQ ponga su nombre en una o más de las listas de correos siguientes (1) la lista de correo permanente para recibir los avisos de el solicitante indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado específico. Si desea que se agregue su nombre en una de las listas designe cual lista(s) y envía por correo su pedido a la Oficina del Secretario Principal de la

TCEQ.

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

También se puede obtener información adicional de Aqua Texas, Inc. a la dirección indicada arriba o llamando al Sr. Abel Bautista, Coordinador de Cumplimiento de Aguas Residuales, al 281-651-0174.

Fecha de emisión: 16 de julio 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. WQ0013477001

APPLICATION AND PRELIMINARY DECISION. Aqua Texas, Inc., 1106 Clayton Lane, Suite 400W, Austin, Texas 78723, has applied to the Texas Commission on Environmental Quality (TCEQ) for a renewal of TCEQ Permit No. WQ0013477001 which authorizes the disposal of treated domestic wastewater at a daily average flow not to exceed 160,000 gallons per day via surface irrigation of 193 acres of golf course land. This permit will not authorize a discharge of pollutants into water in the state. TCEQ received this application on June 27, 2024.

The wastewater treatment facility and disposal site are located on Haynie Flat Road, approximately two miles north of the intersection of State Highway 71 and Haynie Road, in Travis County, Texas 78669. The wastewater treatment facility and disposal site are located in the drainage basin of Lake Travis in Segment No. 1404 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=-98.092222,30.455277&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 Spicewood Community Library, 1011 Spur 191, Spicewood, in Travis 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 Aqua Texas, Inc. at the address stated above or by calling Mr. Abel Bautista, Wastewater Compliance Coordinator, at 281-651-0174.

Issuance Date: April 16, 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. WQ0013477001

SOLICITUD Y DECISIÓN PRELIMINAR. Aqua Texas, Inc., 1106 Clayton Lane, Suite 400W, Austin, Texas 78723, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) por una renovación el Permiso de TCEQ No. WQ0013477001 para autorizar la disposición de aguas residuales domésticas tratadas con un flujo promedio diario que no sobrepasa los 160,000 galones por día por medio de la irrigación de superficie de 193 acres de terreno para campos de golf. Este permiso no autorizará una descarga de contaminantes a las aguas del estado. La TCEQ recibió esta solicitud el 27 de junio de 2024.

La instalación de tratamiento de aguas residuales y el sitio de disposición están ubicados en Haynie Flat Road, aproximadamente dos millas al norte de la intersección de State Highway 71 y Haynie Road, en el Condado de Travis, Texas 78669. La instalación de tratamiento de aguas residuales y el sitio de disposición están ubicados en la cuenca de drenaje de Lake Travis en el Segmento No. 1404 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=-98.092222,30.455277&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 la Biblioteca de la Comunidad de Spicewood, 1011 Spur 191, Spicewood, en el Condado de Travis, Texas. La solicitud, incluidas las actualizaciones y los avisos asociados, están disponibles electrónicamente en la siguiente página web: <https://www.tceq.texas.gov/permitting/wastewater/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/plain-language-summaries-and-public-notice>.

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 todos 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 TCEQ para consideración en una reunión programada de la Comisión.

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

Todos los comentarios escritos del público y los pedidos una reunión deben ser presentados durante los 30 días después de la publicación del aviso en el periódico a la Oficina del Secretario Principal, MC 105, TCEQ, P.O. Box 13087, Austin, TX 78711-3087 o electrónicamente en www.tceq.texas.gov/goto/comment.

INFORMACIÓN DISPONIBLE EN LÍNEA. Para obtener detalles sobre el estado de la solicitud, visite la base de datos integrada de los comisionados en www.tceq.texas.gov/goto/cid. Busque en la base de datos utilizando el número de permiso para esta solicitud, que se encuentra en la parte superior de este aviso.

CONTACTOS E INFORMACIÓN DE LA AGENCIA. Los comentarios y solicitudes públicas deben enviarse electrónicamente a www.tceq.texas.gov/goto/comment, o por escrito a Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Cualquier información personal que envíe a la TCEQ pasará a formar parte del registro de la agencia; esto incluye las direcciones de correo electrónico. Para obtener más información sobre esta solicitud de permiso o el proceso de permisos, llame al Programa de Educación Pública de 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 más información de Aqua Texas, Inc. en la dirección indicada anteriormente o llamando al Sr. Abel Bautista, Coordinador de Cumplimiento de Aguas Residuales, al 281-651-0174.

Fecha de emisión: 16 de abril de 2025



PERMIT NO. WQ0013477001

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

This is a renewal of Permit No.
WQ0013477001 issued on
April 7, 2015.

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

Aqua Texas, Inc.

whose mailing address is

1106 Clayton Lane, Suite 400W
Austin, Texas 78723

Nature of Business Producing Waste: Domestic wastewater treatment operation, SIC Code 4952.

General Description and Location of Waste Disposal System:

Description: The Lakeside Utility Wastewater Treatment Facility consists of an activated sludge process plant using complete mix mode. Treatment units include a bar screen, two aeration basins, a sludge digester, a final clarifier, and a chlorine contact basin. The permittee is authorized to dispose of treated domestic wastewater effluent at a daily average flow not to exceed 0.160 million gallons per day (MGD) via surface irrigation of 193 acres of golf course land. The facility includes a storage pond with a total surface area of 1.98 acres and total capacity of 19.73 acre-feet for storage of treated effluent prior to irrigation. Application rates to the irrigated land shall not exceed 0.93 acre-feet per year per acre irrigated.

Location: The wastewater treatment facility and disposal site are located on Haynie Flat Road, approximately two miles north of the intersection of State Highway 71 and Haynie Road, in Travis County, Texas 78669. (See Attachment A.)

Drainage Area: The wastewater treatment facility and disposal site are located in the drainage basin of Lake Travis in Segment No. 1404 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 – 0.160 MGD from the treatment system

Quality: The following effluent limitations are required:

| <u>Parameter</u> | <u>Effluent Concentrations</u> (Not to Exceed) | | | |
|-----------------------------------|---|------------------------------|-----------------------------|----------------------------|
| | <u>Daily Average</u> mg/l | <u>7-Day Average</u> mg/l | <u>Daily Maximum</u> mg/ | <u>Single Grab</u> mg/l |
| Biochemical Oxygen Demand (5-day) | 20 | 30 | 45 | 65 |
| Total Suspended Solids | 20 | 30 | 45 | 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. 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 total chlorine residual shall be maintained in the effluent at the point of irrigation application.

B. Monitoring Requirements:

| <u>Parameter</u> | <u>Monitoring Frequency</u> | <u>Sample Type</u> |
|-----------------------------------|-----------------------------|--------------------|
| Flow | Continuous | Totalizing Meter |
| Biochemical Oxygen Demand (5-day) | One/month | Grab |
| Total Suspended Solids | 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.

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

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

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

TABLE 1

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

* Dry weight basis

3. Pathogen Control

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

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

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

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

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

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

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

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

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

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

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

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

Alternative 1

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

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

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

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

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

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

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

- i. Food crops with harvested parts that touch the biosolids /soil mixture and are totally above the land surface shall not be harvested for 14 months after application of biosolids.
- ii. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after application of biosolids when the biosolids remain 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 |
| PCBs | - once during the term of this permit |

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

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

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

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

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

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

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

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

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

A. Pollutant Limits

Table 2

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

Table 3

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

*Dry weight basis

B. Pathogen Control

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

C. Management Practices

1. Bulk biosolids shall not be applied to agricultural land, forest, a public contact site, or a reclamation site that is flooded, frozen, or snow-covered so that the bulk 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 permittee requests and obtains an electronic reporting waiver, the annual report can be submitted in hard copy to the TCEQ Regional Office (MC Region 11) 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 in accordance with the method specified in both 40 CFR Part 261, Appendix II and 40 CFR Part 268, Appendix I (Toxicity Characteristic Leaching Procedure) or other method, which receives the prior approval of the TCEQ for contaminants listed in Table 1 of 40 CFR § 261.24. Sewage sludge or biosolids failing this test shall be managed according to RCRA standards for generators of hazardous waste, and the waste's disposition must be in accordance with all applicable requirements for hazardous waste processing, storage, or disposal.

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

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

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

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

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

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

G. Reporting Requirements

The permittee shall submit the following information in an annual report to the TCEQ by September 30th of each year. The permittee must submit this annual report using the online electronic reporting system available through TCEQ's website. If the permittee requests and obtains an electronic reporting waiver, the annual report can be submitted in hard copy to the TCEQ Regional Office (MC Region 11) 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 permittee requests and obtains an electronic reporting waiver, the annual report can be submitted in hard copy to the TCEQ Regional Office (MC Region 11) 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, Bermuda grass 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. Application rates to irrigated land shall not exceed 0.70 acre-feet per year per acre irrigated in the Interim phase and 0.93 acre-feet per year per acre irrigated in the Final phase. 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 according to 30 TAC Chapter 217, Design Criteria for Domestic Wastewater Systems.
8. Plans and specifications have been approved for the 0.160 MGD wastewater treatment facility, in accordance with 30 TAC § 217, Design Criteria for Domestic Wastewater Systems. A summary transmittal approval letter was issued October 22, 2020 (Log No. 1020/007). A copy of the summary transmittal letter shall be available at the plant site for inspection by authorized representatives of the TCEQ.
9. The permittee shall maintain a long-term contract with the owner(s) of the land application site, which is authorized for use in this permit, or own the land authorized for land application of treated effluent.
10. If the effluent is to be transferred to a holding pond or tank, re-chlorination prior to the effluent delivered into the irrigation system will be required. A trace of chlorine residual shall be maintained in the effluent at the point of irrigation application.
11. The permittee shall erect adequate signs stating that the irrigation water is from a non-potable water supply for any area where treated effluent is stored or where hose bibs or faucets exists. 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 be accomplished only when the area specified 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. For the existing pond: Facilities for the retention of treated or untreated wastewater shall be adequately lined to control seepage. The following methods of pond lining are acceptable.
 - a. In-situ clay soils or placed and compacted clay soils meeting the following requirements:
 - 1) More than 30% passing a No. 200 mesh sieve
 - 2) Liquid limit greater than 30%
 - 3) Plasticity index greater than 15
 - 4) A minimum thickness of 2 feet
 - b. Membrane lining with a minimum thickness of 20 mils, and an underdrain leak detection system.

- c. An alternate method of pond lining may be utilized with prior approval from the Executive Director.

The permittee shall furnish certification by a Texas Licensed Professional Engineer that the completed pond lining meets the appropriate criteria above. The certification shall be sent to the TCEQ Regional Office (MC Region 11) and Water Quality Compliance Monitoring Team (MC 224) of the Enforcement Division.

16. The permittee shall comply with the requirements of 30 TAC § 309.13 (a) through (d). In addition, by ownership of the required buffer zone area, the permittee shall comply with the requirements of 30 TAC § 309.13(e).
17. The effluent holding pond shall have aerators to provide continuous introduction of oxygen into the water.
18. Effluent holding ponds shall have berms constructed around the perimeter. To further provide visual screening of the holding pond, vegetation of sufficient height and density shall be planted parallel to Haynie Flat Road along the length of the pond.
19. 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 80 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, ammonium nitrogen | From a 1 <u>N</u> KCl soil extract | 1 | mg/kg (dry weight basis) |
| | | 20 | mg/kg (dry weight |

| | | | |
|----------------------------------|---|-------|---|
| Total Kjeldahl Nitrogen (TKN) | For determination of Organic plus Ammonium Nitrogen. Procedures that use Mercury (Hg) are not acceptable. | | 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 <i>short tons/acre</i> in the year effected |

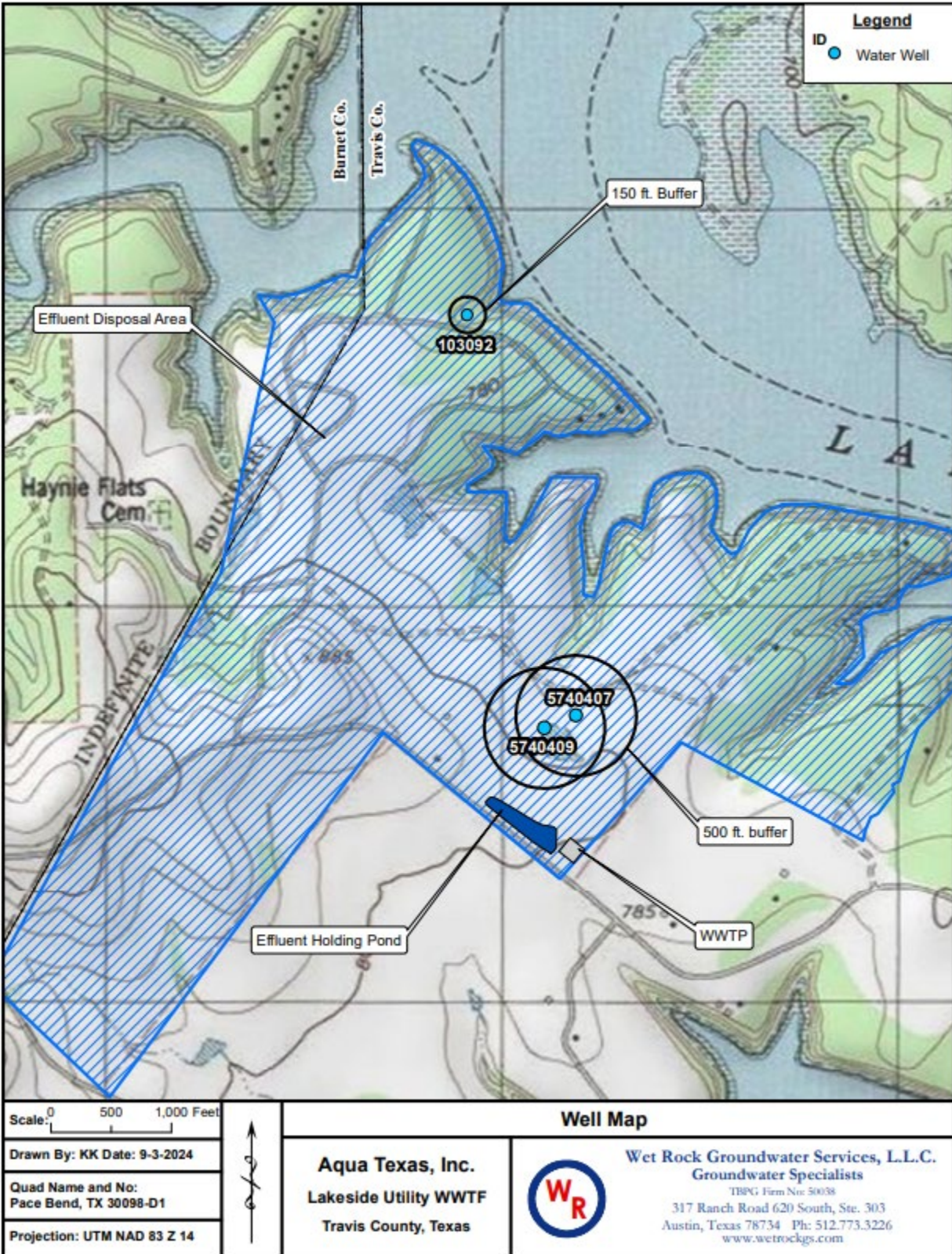
A copy of this soil testing plan shall be provided to the analytical laboratory prior to sample analysis. The permittee shall submit the results of the annual soil sample analyses with copies of the laboratory reports and a map depicting the areas that have received wastewater within the permanent land application fields to the TCEQ Regional Office (MC Region 11) 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.

20. The permittee shall provide facilities for the protection of its wastewater treatment facilities from a 100-year flood.
21. 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.
22. 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.

23. The existing storage pond shall be maintained and operated in a manner that prevents unauthorized discharge to water in the state and contamination of groundwater.
24. 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.
25. 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.
26. 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 Austin Regional Office (MC-Region 11), 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'
Site Map
Aqua Texas, Inc.
TCEQ Permit No. WQ0013477001



TECHNICAL SUMMARY AND EXECUTIVE DIRECTOR'S PRELIMINARY DECISION

DESCRIPTION OF APPLICATION

| | |
|----------------------|---|
| Applicant: | Aqua Texas, Inc. TCEQ Permit No. WQ0013477001 |
| 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

Aqua Texas, Inc. has applied to the Texas Commission on Environmental Quality (TCEQ) for a renewal of Permit No. WQ0013477001 to authorize the disposal of treated domestic wastewater at a daily average flow not to exceed 0.160 million gallons per day (MGD) via surface irrigation of 193 acres of golf course land. The facility includes a storage pond with a total surface area of 1.98 acres and total capacity of 19.73 acre-feet for storage of treated effluent prior to irrigation. The existing wastewater treatment facility serves Barton Creek Lakeside, a residential development in Travis County.

PROJECT DESCRIPTION AND LOCATION

The Lakeside Utility Wastewater Treatment Facility consists of an activated sludge process plant using complete mix mode. Treatment units include a bar screen, two aeration basins, a sludge digester, a final clarifier, and a chlorine contact basin. 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 on Haynie Flat Road, approximately two miles north of the intersection of State Highway 71 and Haynie Road in Travis County, Texas 78669.

The wastewater treatment facility and disposal site are located in the drainage basin of Lake Travis in Segment No. 1404 of the Colorado River Basin. No discharge of pollutants into water in the state is authorized by this permit.

Aqua Texas, Inc.

Permit No. WQ0013477001

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

SUMMARY OF EFFLUENT DATA

The following is a summary of the applicant's effluent monitoring data for the period January 2023 through December 2024. The average of Daily Average value is computed by averaging of all 30-day average values for the reporting period for each parameter: flow, five-day biochemical oxygen demand (BOD₅), and total suspended solids (TSS).

| <u>Parameter</u> | <u>Average of Daily Average</u> |
|-------------------------|---------------------------------|
| Flow, MGD | 0.072 |
| BOD ₅ , mg/l | 2.1 |
| TSS, mg/l | 2.8 |

DRAFT PERMIT CONDITIONS

The draft permit authorizes the disposal of treated domestic wastewater effluent at a daily average flow not to exceed 0.160 MGD via surface irrigation of 193 acres of golf course land. The facility includes a storage pond with a total surface area of 1.98 acres and total capacity of 19.73 acre-feet for storage of treated effluent prior to irrigation. Application rates to the irrigated land shall not exceed 0.93 acre-feet per year per acre irrigated. 0

The effluent limitations in the draft permit, based on a daily average, are 20 mg/l BOD₅, and 20 mg/l TSS. The effluent limitation in the draft permit, based on a single grab, is 100 mg/l BOD₅. The effluent shall contain a total chlorine residual of at least 1.0 mg/l after a detention time of at least 20 minutes based on peak flow.

The 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 Interim phase in the existing permit has been removed in the draft permit as it is no longer applicable.

Special Provisions Nos. 4, 8, 16 (No. 15 in the draft permit), and 20 (No. 19 in the draft permit) in the existing permit have been updated in the draft permit.

New Special Provisions Nos. 21, 22, 23, 24, 25, and 26 have been added to the draft permit.

The Sludge Provisions, Special Provisions, and Standard Provisions have been revised in the draft permit.

Aqua Texas, Inc.

Permit No. WQ0013477001

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

SECTION IV, REQUIREMENTS APPLYING TO SLUDGE OR BIOSOLIDS TRANSPORTED TO ANOTHER FACILITY FOR FURTHER PROCESSING, has been added to the Sludge Provisions of the draft permit to allow the transportation of sludge or biosolids to another facility.

Special Provision 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.

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 June 27, 2024, and additional information received on March 7, 2024.
2. Existing TCEQ permit: Permit No. WQ0013477001 issued on April 7, 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

Aqua Texas, Inc.

Permit No. WQ0013477001

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

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 Shaun M. Speck at (512) 239-4549.

Shaun M. Speck

Shaun M. Speck
Municipal Permits Team
Wastewater Permitting Section (MC 148)

March 10, 2025

Date



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
DOMESTIC WASTEWATER PERMIT APPLICATION
CHECKLIST

Complete and submit this checklist with the application.

APPLICANT: Aqua Texas, Inc.

PERMIT NUMBER: WQ0013477001

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

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

For TCEQ Use Only

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



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

Minor Amendment (for any flow) \$150.00 ☐

Payment Information:

Mailed Check/Money Order Number:
Check/Money Order Amount:
Name Printed on Check:
EPAY Voucher Number: 708696/708697
Copy of Payment Voucher enclosed? Yes ☒

Section 2. Type of Application (Instructions Page 29)

- | | |
|---|---|
| <input type="checkbox"/> New TPDES | <input type="checkbox"/> New TLAP |
| <input type="checkbox"/> Major Amendment <u>with</u> Renewal | <input type="checkbox"/> Minor Amendment <u>with</u> Renewal |
| <input type="checkbox"/> Major Amendment <u>without</u> Renewal | <input type="checkbox"/> Minor Amendment <u>without</u> Renewal |
| <input checked="" type="checkbox"/> Renewal without changes | <input type="checkbox"/> Minor Modification of permit |

For amendments or modifications, describe the proposed changes:

For existing permits:

Permit Number: WQ00131477001

EPA I.D. (TPDES only): TX

Expiration Date: 12/1/2024

TCEQ ePay Voucher Receipt**Transaction Information**

| | |
|-----------------|---|
| Voucher Number: | 708696 |
| Trace Number: | 582EA000613364 |
| Date: | 06/10/2024 08:00 AM |
| Payment Method: | CC - Authorization 0000029702 |
| Voucher Amount: | \$800.00 |
| Fee Type: | WW PERMIT - FACILITY WITH FLOW >= .10 & < .25 MGD - RENEWAL |
| ePay Actor: | SCOT FOLIZ |

Payment Contact Information

| | |
|----------|--|
| Name: | SCOT FOTLZ |
| Company: | AQUA TEXAS |
| Address: | 1106 CLAYTON LN SUITE 400W, AUSTIN, TX 78723 |
| Phone: | 512-844-6475 |

Site Information

| | |
|----------------|--|
| Site Name: | LAKESIDE UTILITY WASTEWATER TREATMENT FACILITY |
| Site Location: | HAYNIE FLAT RD APPROX 2 MI N OF HWY 71 AND HAYNIE RD |

Customer Information

| | |
|-------------------|--|
| Customer Name: | AQUA TEXAS |
| Customer Address: | 1106 CLAYTON LN SUITE 400W, AUSTIN, TX 78723 |

Other Information

| | |
|------------------|------------|
| Program Area ID: | 0013477001 |
|------------------|------------|

TCEQ ePay Voucher Receipt**Transaction Information**

| | |
|------------------------|--|
| Voucher Number: | 708697 |
| Trace Number: | 582EA000613364 |
| Date: | 06/10/2024 08:00 AM |
| Payment Method: | CC - Authorization 0000029702 |
| Voucher Amount: | \$15.00 |
| Fee Type: | 30 TAC 305.53B WQ RENEWAL NOTIFICATION FEE |
| ePay Actor: | SCOT FOLTZ |

Payment Contact Information

| | |
|-----------------|--|
| Name: | SCOT FOLTZ |
| Company: | AQUA TEXAS |
| Address: | 1106 CLAYTON LN SUITE 400W, AUSTIN, TX 78723 |
| Phone: | 512-844-6475 |

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

Aqua Texas, Inc.

(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: 604062463

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: Craig Blanchette

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

Title: President

B. Co-applclicant 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-applclicant 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-applclicant 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:

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):

First and Last Name:

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

Title:

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

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: D

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): Ms

First and Last Name: Stephanie Landsman

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

Title: [REDACTED]

Organization Name: Landsman Environmental LLC

Mailing Address: 9597 Jones Road #962

City, State, Zip Code: Jersey Village, TX 77065

Phone No.: 281-658-5899 Ext.: [REDACTED]

Fax No.: [REDACTED]

E-mail Address: stephanie@landsmanenviro.com

Check one or both: ☒ Administrative Contact

☐ Technical Contact

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

First and Last Name: Abel Bautista

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

Title: Wastewater Compliance Coordinator

Organization Name: Aqua Texas, Inc.

Mailing Address: 19244 Ella Blvd.

City, State, Zip Code: Spring, TX 77388

Phone No.: 281-651-0174 Ext.: 54119 Fax No.: [REDACTED]

E-mail Address: abautista@aquaamerica.com

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: Craig Blanchette

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

Title: President

Organization Name: Aqua Texas, Inc.

Mailing Address: 1106 Clayton Lane Ste. 400W

City, State, Zip Code: Austin, TX 78723

Phone No.: 512-990-4400 Ext.: 56105 Fax No.: [REDACTED]

E-mail Address: clblanchette@aquaamerica.com

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

First and Last Name: Abel Bautista

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

Title: Wastewater Compliance Coordinator

Organization Name: Aqua Texas, Inc.

Mailing Address: 19244 Ella Blvd.

City, State, Zip Code: Spring, TX 77388

Phone No.: 281-651-0174 Ext.: 54119 Fax No.: [REDACTED]

E-mail Address: abautista@aquaamerica.com

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): Mr.

First and Last Name: Jose Loya

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

Title: [REDACTED]

Organization Name: Aqua Texas, Inc.

Mailing Address: 1106 Clayton Lane Ste. 400W

City, State, Zip Code: Austin, TX 78723

Phone No.: 512-990-4400 Ext.: [REDACTED]

Fax No.: [REDACTED]

E-mail Address: aquatexasAP@aquaamerica.com

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: Scot Foltz

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

Title: Environmental Compliance Manager

Organization Name: Aqua Texas, Inc.

Mailing Address: 1106 Clayton Lane Ste. 400W

City, State, Zip Code: Austin, TX 78723

Phone No.: 512-990-4400 Ext.: 56101 Fax No.: [REDACTED]

E-mail Address: swfoltz@aquaamerica.com

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): Ms.

First and Last Name: Stephanie Landsman

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

Title: [REDACTED]

Organization Name: Landsman Environmental LLC

Mailing Address: 9597 Jones Road #962

City, State, Zip Code: Jersey Village, TX 77065

Phone No.: 2818-658-5899 Ext.: [REDACTED]

Fax No.: [REDACTED]

E-mail Address: stephanie@landsmanenviro.com

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

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

☒ E-mail Address

☐ Fax

☐ Regular Mail

C. Contact person to be listed in the Notices

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

First and Last Name: Abel Bautista

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

Title: Wastewater Compliance Coordinator

Organization Name: Aqua Texas, Inc.

Phone No.: 281-651-0174 Ext.: 54119

E-mail: abautista@aquaamerica.com

D. Public Viewing Information

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

Public building name: Spicewood Community Library

Location within the building: [REDACTED]

Physical Address of Building: 1011 Spur 191

City: Spicewood

County: Travis

Contact Name: [REDACTED]

Phone No.: 830-693-7892 Ext.: [REDACTED]

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. RN101525715

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):

Lakeside Utility Wastewater Treatment Facility

- C. Owner of treatment facility: Aqua Texas, Inc.

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

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

Prefix (Mr., Ms., Miss):

First and Last Name: Aqua Texas, Inc.

Mailing Address: 1106 Clayton Lane Ste. 400W

City, State, Zip Code: Austin, TX 78723

Phone No.: 512-990-4400

E-mail Address: swfoltz@aquaaamerica.com

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

Attachment:

- E. Owner of effluent disposal site:

Prefix (Mr., Ms., Miss):

First and Last Name: Barton Creek Lakeside Country Club

Mailing Address: 1900 Clubhouse Hill Dr.

City, State, Zip Code: Spicewood, TX 78669

Phone No.: 830-693-7583

E-mail Address: [REDACTED]

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: [REDACTED]

- 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: [REDACTED]

Mailing Address: [REDACTED]

City, State, Zip Code: [REDACTED]

Phone No.: [REDACTED]

E-mail Address: [REDACTED]

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: [REDACTED]

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:

[REDACTED]

- 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:

[REDACTED]

City nearest the outfall(s): [REDACTED]

County in which the outfalls(s) is/are located: [REDACTED]

Outfall Latitude: _

Longitude: [REDACTED]

- 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:

- 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:

- B. City nearest the disposal site: Spicewood

- C. County in which the disposal site is located: Travis

- D. Disposal Site Latitude: 30.457222 Longitude: -98.098889

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

From the WWTP discharged by gravity to the effluent pond and then pumped to the driving range or golf course.

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

Due to the distance from the irrigation site and the potential amount of treated effluent it is unlikely that the water will reach any water course.

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.

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:

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:

Section 14. Signature Page (Instructions Page 39)

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

Permit Number: WQ0013477001

Applicant: Aqua Texas, Inc.

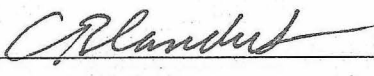
Certification:

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.

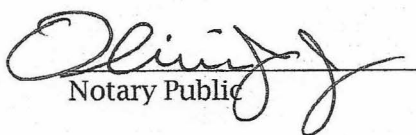
I further certify that I am authorized under 30 Texas Administrative Code § 305.44 to sign and submit this document, and can provide documentation in proof of such authorization upon request.

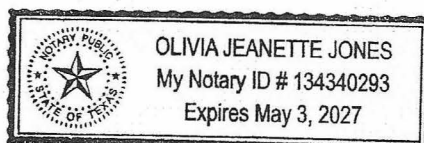
Signatory name (typed or printed): Craig L. Blanchette

Signatory title: President

Signature:  Date: 6/10/24
(Use blue ink)

Subscribed and Sworn to before me by the said Craig Blanchette
on this 10 day of June, 2024.
My commission expires on the 3 day of May, 2027.


Notary Public



[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.

Aqua Texas, Inc. (CN604062463) operates the Lakeside Utility Wastewater Treatment Facility RN101525715. a domestic wastewater treatment facility. The facility is located on Haynie Flat Road, approximately two miles north of the intersection of state highway 71 and Haynie Road, in Spicewood, Travis County, Texas 78669.

Request for renewal of permit authorizing the disposal of 120,000 GPD of treated domestic wastewater via surface irrigation. This permit will not authorize a discharge of pollutants into water in the state.

Discharges from the facility are expected to contain BOD(5), Total Suspended solids..Domestic wastewater is treated by **complete mix variation of the activated sludge process.**

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.

Aqua Texas, Inc. (CN604062463) opera la Instalación de Tratamiento de Aguas Residuales de Lakeside Utility RN101525715. una instalación de tratamiento de aguas residuales domésticas. La instalación está ubicada en Haynie Flat Road, aproximadamente dos millas al norte de la intersección de State Highway 71 y Haynie Road, en Spicewood, Condado de Travis, Texas 78669.

Solicitud de renovación de permiso que autoriza la disposición de 120,000 GPD de aguas residuales domésticas tratadas mediante riego superficial. Este permiso no autorizará una descarga de contaminantes al agua del estado.

Se espera que las descargas de la instalación contengan BOD(5), Sólidos Suspendidos Totales. Las aguas residuales domésticas se tratan mediante **una variación completa de la mezcla del proceso de lodos activados.**

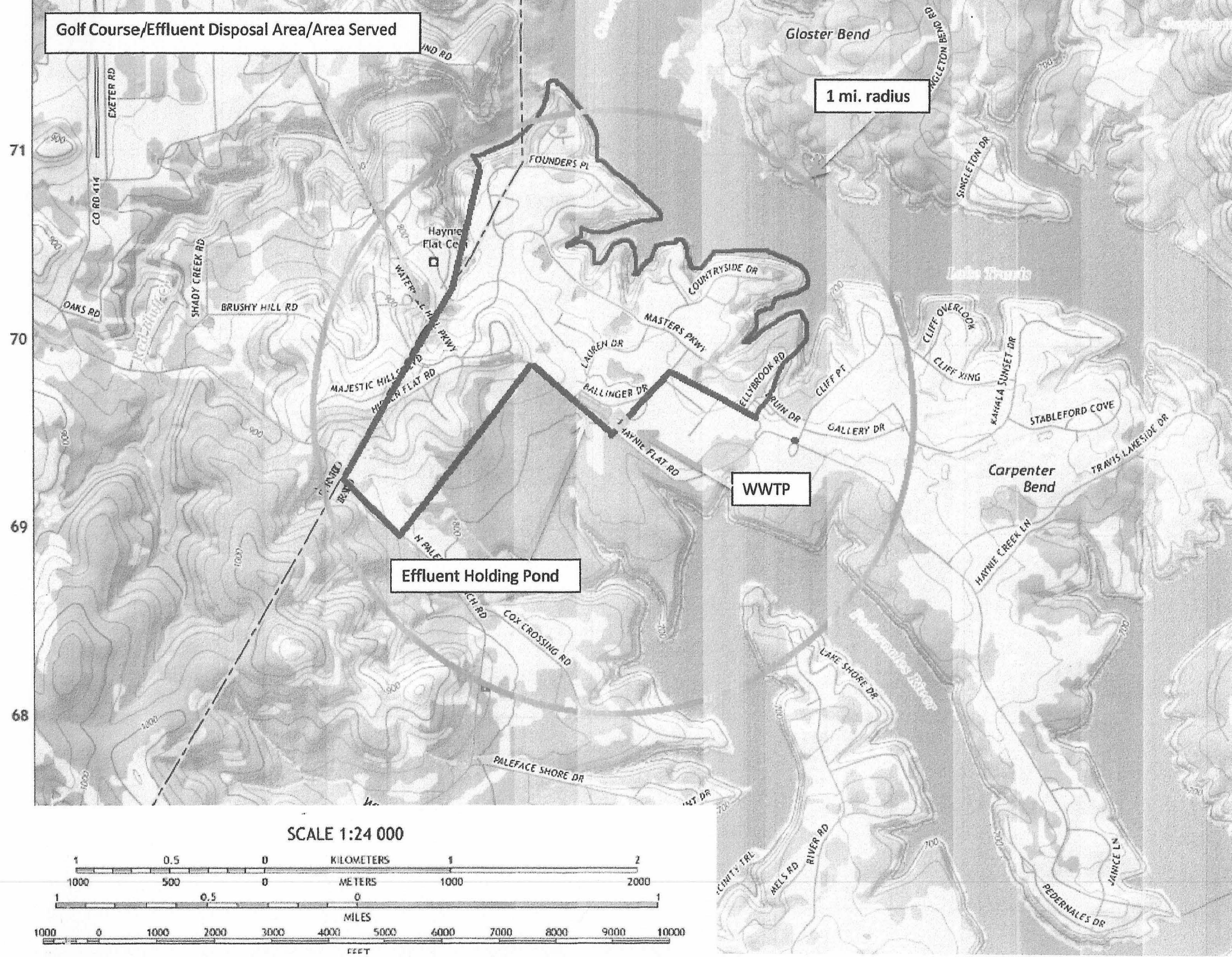
Attachment Index

| <i>Attachment</i> | <i>Title</i> |
|--------------------------|-------------------------------|
| A | Original USGS Topographic Map |
| B | Site Drawing |
| C | Flow Diagram |
| D | Core Data Form |
| E | Treatment Unit Dimensions |
| F | Summary Transmittal Letter |
| G | Soil Map and Analyses Results |
| H | Agreed Order |
| I | Easement |
| J | Cropping Plan |

Attachment A

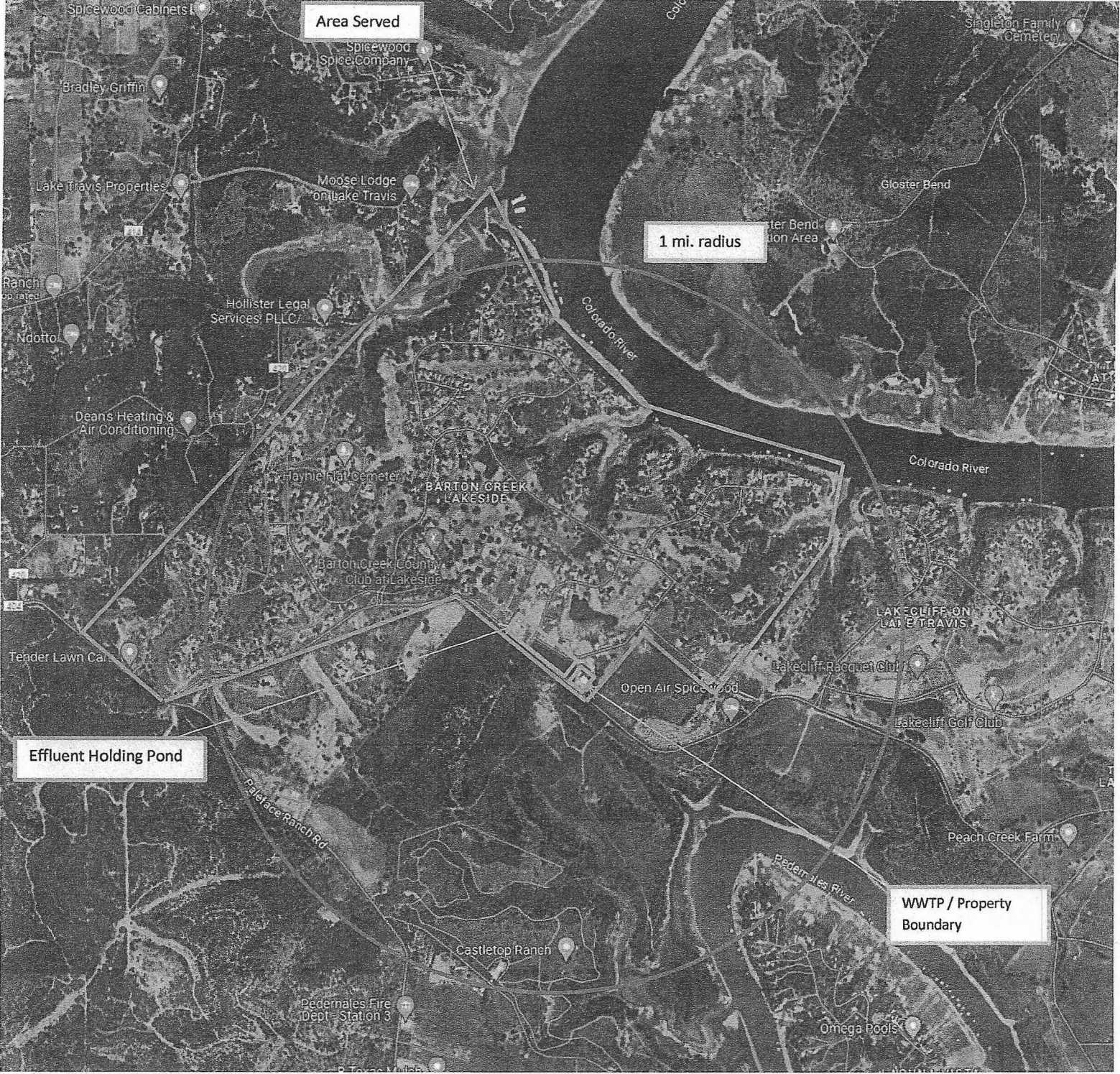
Original USGS Topographic Map

Golf Course/Effluent Disposal Area/Area Served



Attachment B

Site Drawing

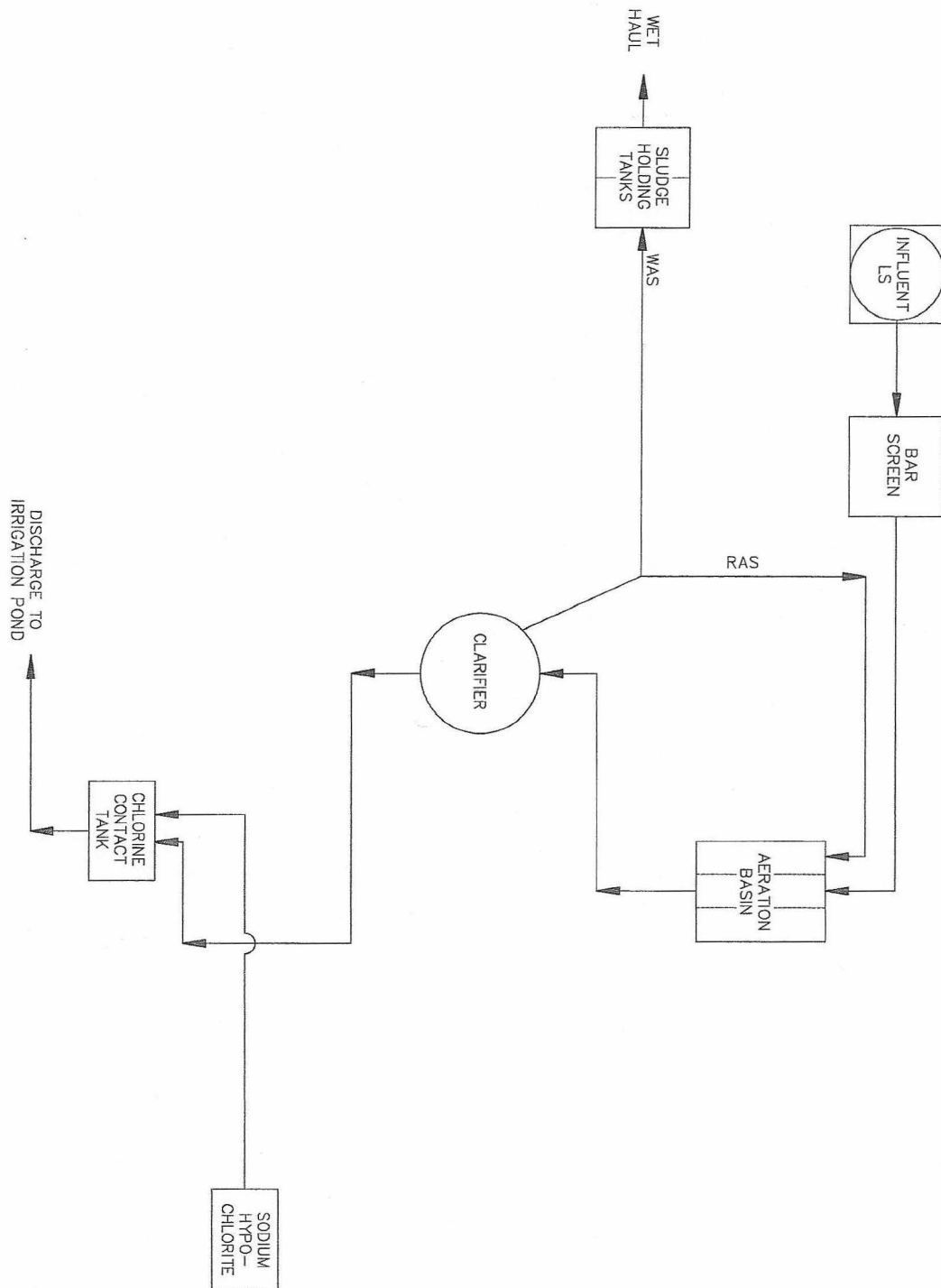


Aqua Texas, INC
WQ0013477001
April 2024



Attachment C

Flow Diagram



BAR IS ONE INCH ON
 DIVISION, DRAWING.
 ONE INCH
 DESIGNED BY
 CHECKED BY
 DRAWN BY
 DATE 5/2/66
 P-01
 15700.004.001



AQUA TEXAS, INC.
 BARTON CREEK LAKESIDE WASTEWATER TREATMENT PLANT

PROCESS FLOW DIAGRAM

| NO. | DATE | REVISION | BY |
|-----|------|----------|----|
| | | | |
| | | | |

AQUA TEXAS, INC.

WESTON
 FIRM REGISTRATION No. 3123
 6301 SOUTHWEST PARKWAY, SUITE 450
 AUSTIN, TEXAS 78735
 PHONE: 512-451-7100
 FAX: 512-451-7101

Attachment D

Core Data Form



TCEQ Core Data Form

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

SECTION I: General Information

| | |
|---|---|
| 1. Reason for Submission (If other is checked please describe in space provided.) <input type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.) <input checked="" type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form) <input type="checkbox"/> Other | |
| 2. Customer Reference Number (if issued) CN 604062463 | 3. Regulated Entity Reference Number (if issued) RN 101525715 |

Follow this link to search for CN or RN numbers in Central Registry**

SECTION II: Customer Information

| | | | |
|---|--|---|--|
| 4. General Customer Information | | 5. Effective Date for Customer Information Updates (mm/dd/yyyy) | |
| <input type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership <input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts) | | | |
| <i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i> | | | |
| 6. Customer Legal Name (If an individual, print last name first: eg: Doe, John) Aqua Texas, Inc. | | <i>If new Customer, enter previous Customer below:</i> | |
| 7. TX SOS/CPA Filing Number 0800304878 | 8. TX State Tax ID (11 digits) 32014405503 | 9. Federal Tax ID (9 digits) | 10. DUNS Number (if applicable) |
| 11. Type of Customer: <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Individual Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other <input type="checkbox"/> Sole Proprietorship <input type="checkbox"/> Other: | | 13. Independently Owned and Operated? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| 12. Number of Employees <input type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input checked="" type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher | | | |
| 14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following <input type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Owner & Operator <input type="checkbox"/> Other: <input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant | | | |
| 15. Mailing Address: 1106 Clayton Lane Ste. 400W City: Austin State: TX ZIP: 78723 ZIP + 4: | | | |
| 16. Country Mailing Information (if outside USA) | | 17. E-Mail Address (if applicable) abautista@aquaaamerica.com | |
| 18. Telephone Number (281) 651-0174 | 19. Extension or Code 54119 | 20. Fax Number (if applicable) () - | |

SECTION III: Regulated Entity Information

| |
|--|
| 21. General Regulated Entity Information (If 'New Regulated Entity' is selected, a new permit application is also required.) <input type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information <i>The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).</i> |
| 22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.) Lakeside Utility Wastewater Treatment Facility |

| | | | | | | | |
|--|--------|--|-------|--|-----|--|---------|
| 23. Street Address of the Regulated Entity: (No PO Boxes) | | | | | | | |
| | | | | | | | |
| | City | | State | | ZIP | | ZIP + 4 |
| 24. County | Travis | | | | | | |

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

| | | | | | | | |
|---|--|---------|--|-------------------------------|--|-------|---------|
| 25. Description to Physical Location: | Located on Haynie Flat Road, approximately two miles north of the intersection of State Highway 71 and Haynie Road | | | | | | |
| 26. Nearest City | State | | | | Nearest ZIP Code | | |
| Spicewood | TX | | | | 78669 | | |
| 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: | 30.455364 | | | 28. Longitude (W) In Decimal: | -98.092315 | | |
| Degrees | Minutes | Seconds | Degrees | Minutes | Seconds | | |
| 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 | | | 22132 | | | | |
| 33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.) | | | | | | | |
| Water and Wastewater Service Provider | | | | | | | |
| 34. Mailing Address: | 1106 Clayton Lane Ste. 400W | | | | | | |
| | | | | | | | |
| | City | Austin | State | TX | ZIP | 78723 | ZIP + 4 |
| 35. E-Mail Address: | aboutista@aquaamerica.com | | | | | | |
| 36. Telephone Number | 37. Extension or Code | | 38. Fax Number (if applicable) | | | | |
| (281) 651-174 | 54119 | | () - | | | | |

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

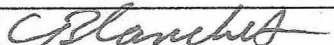
| | | | | |
|--|--|---|--|---|
| <input type="checkbox"/> Dam Safety | <input type="checkbox"/> Districts | <input type="checkbox"/> Edwards Aquifer | <input type="checkbox"/> Emissions Inventory Air | <input type="checkbox"/> Industrial Hazardous Waste |
| <input type="checkbox"/> Municipal Solid Waste | <input type="checkbox"/> New Source Review Air | <input type="checkbox"/> OSSF | <input type="checkbox"/> Petroleum Storage Tank | <input type="checkbox"/> PWS |
| <input type="checkbox"/> Sludge | <input type="checkbox"/> Storm Water | <input type="checkbox"/> Title V Air | <input type="checkbox"/> Tires | <input type="checkbox"/> Used Oil |
| <input type="checkbox"/> Voluntary Cleanup | <input checked="" type="checkbox"/> Wastewater | <input type="checkbox"/> Wastewater Agriculture | <input type="checkbox"/> Water Rights | <input type="checkbox"/> Other: |
| WQ0013477001 | | | | |

SECTION IV: Preparer Information

| | | | | | |
|----------------------|--------------------|----------------|------------------------------|------------|-----------------------|
| 40. Name: | Stephanie Landsman | | | 41. Title: | Wastewater Specialist |
| 42. Telephone Number | 43. Ext./Code | 44. Fax Number | 45. E-Mail Address | | |
| (281) 658-5899 | | () - | stephanie@landsmanenviro.com | | |

SECTION V: Authorized Signature

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

| | | | |
|------------------|---|------------|----------------|
| Company: | Aqua Texas, Inc. | Job Title: | President |
| Name (In Print): | Craig L. Blanchette | Phone: | (512) 990-4400 |
| Signature: |  | Date: | 6/10/24 |

Attachment E

Treatment Unit Dimensions

Wastewater Treatment Facility Specifications

The facility will employ the complete mix variation of the activated sludge process. From the lift station the wastewater will travel through a coarse barscreen then to the complete mix basin; from the basin the mix-liquor will be transferred to the clarifier where solids will be settled out and clear water will flow over the weirs then into the chlorine contact basin. The settled solids will either be transferred to the digester or returned to the headworks.

Phase I:

- Clarifier: 26' Diameter, 12'
- Aeration : 12', 16', 12'
- Digester: 12', 19', 12'
- CL2 Basin: 10', 7', 12'

Phase II:

- Clarifier: 26' Diameter, 12'
- Aeration : 12', 52', 12' & 12', 16', 12'
- Digester: 2@ 12', 19', 12' & 1@ 12'dia, 12'
- CL2 Basin: 10', 7', 12'

Phase III:

- Clarifier: 26' Diameter, 12'
- Aeration : 2@ 12', 52', 12' @ 1 @ 12', 16', 12'
- Digester: 12', 36', 12'
- CL2 Basin: 10', 26', 12'

Attachment F

Summary Transmittal Letter



Weston Solutions, Inc.
5301 Southwest Parkway, Suite 450
Austin, TX 78735
512-651-7100
WestonSolutions.com

Date: 10/01/2020

Mr. Louis C. Herrin III, P.E.
TCEQ – Mail Code 148
12100 Park 35 Circle
Austin, TX 78753

Re: Barton Creek Lakeside WWTP – Chapter 217.6 Summary Transmittal Letter

Permittee: Aqua Texas, Inc. (Aqua Utilities, Inc.)

Permit Number: WQ0013477001

Project Name: Barton Creek Lakeside WWTP

County(s): Travis County

Grant No.: N/A

Dear Mr. Herrin:

The purpose of this letter is to provide the Texas Commission on Environmental Quality (TCEQ) with the information necessary to comply with the requirements of 217.6(d) of the TCEQ's rules entitled "DESIGN CRITERIA FOR DOMESTIC WASTEWATER SYSTEMS." The necessary information includes:

1. The name and address of the engineering firm and TBPE firm number.
Weston Solutions, Inc.
5301 Southwest Parkway, Suite 450
Austin, Texas 78735
Firm No. F-3123
2. The name, phone number, facsimile number, and email address of the design engineer.
Ranjit Gujja, P.E.
Phone # 512-651-7152 ext. 4152
Fax # 512-651-7101
Ranjit.Gujja@WestonSolutions.com
3. The county where the project will be located.
Travis County
4. The name for the project.
Barton Creek Lakeside WWTP
5. The name of the entity that proposes to own, operate, and maintain the project through its design life.
Aqua Texas, Inc.

Brief Project Scope Description:

The existing wastewater treatment plant consists of an activated sludge process plant designed to service a load of 0.12 million gallons per day (MGD) average daily flow (ADF). Treatment units include aeration basins, one final clarifier, one aerobic digester, and one chlorine contact tank. The facility includes one storage pond with a



Mr. Herrin
Texas Commission on Environmental Quality

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Date: 10/01/2020

total surface area of 1.9 acres and a total capacity of 19.3 acre-feet for storage of treated effluent prior to irrigation.

Weston Solutions, Inc. (WESTON®) has been contracted by Aqua Texas Inc. (AQUA) to provide engineering services to remove the existing WWTP and to build a new wastewater treatment plant with a capacity of 0.16 MGD ADF and 0.64 MGD PDF. The wastewater flows into the new wet well, which pumps the influent through a manual bar screen with 0.1-inch openings. The flow will be processed through the two aeration basins, then discharged to one clarifier. One RAS/WAS air lift pump and a backup air lift pump will transfer the RAS to aeration basin and WAS to sludge holding tanks. Two sludge holding tanks will be used to store the sludge. The sludge will be hauled off every 40 days to another treatment facility for further treatment of solids. The supernatant produced in sludge holding tanks will be sent back by air lift pumps into the aeration basins, and the scum from the clarifier will be sent by air lift pump back to the sludge holding tanks. From the clarifier, the treated water will be sent to the chlorine contact tank, and finally, effluent will be discharged into an existing pond via the existing effluent pipe. Disinfection will be performed using sodium hypochlorite and mixing using draft tube and a diffuser in the chlorine contact tank. The layout of the proposed plant is provided in attached plans.

The proposed design criteria for the new WWTP, Table 1, follows the requirements set forth by TCEQ through the site-specific permit and regulation 30 TAC Chapter 217.

Table 1 – WWTP Design Criteria

| Description | Design Values |
|--|---|
| Average Daily Flow (ADF) | 0.16 MGD |
| Peak Daily Flow (PDF) | 0.64 MGD |
| Peaking Factor | 4 |
| Influent BOD limit @ ADF | 250 mg/L |
| Influent Ammonia | 35.3 mg/L |
| Existing Permit Limits | |
| Average Effluent BOD ₅ | 20 mg/L |
| Average Effluent TSS | 20 mg/L |
| Influent Lift Station | |
| Min. solids handling size | 3 inches |
| Min. size pump suction and discharge openings | 4 inches |
| Min. number of pumps for a lift station handling a peak flow of 300,000 gpd and discharging directly to a WWTP (2 Firm Capacity + 1 Standby) | 2 + 1 standby |
| Pump Capacity (Submersible) | 222 gpm @ 42 ft TDH |
| Min velocity | 5.04 fps (2 pumps running); 2.52 fps (1 pump running) |
| Motor Size per unit (from Mfr.) | 7.5 HP |
| Wet Well Size | 10-ft dia. x 22.50 ft deep |
| Influent Bar Screen – New Construction | |
| Max. Screen Size opening for Fine Screens (manually cleaned) | 0.1 inch |



Mr. Herrin
Texas Commission on Environmental Quality

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Date: 10/01/2020

| Aeration Basin – New Construction | |
|---|---|
| Max. CBOD ₅ Loading rate Conventional Activated Sludge process with Nitrification when reactor temperatures exceed 15deg C | 27.24 lb/day/ 1,000 cf |
| Min. Dissolved Oxygen Concentration | 2.0 mg/L |
| Min. Freeboard at Peak Flow | 18 inches |
| Min. Side Water Depth @ surface area > 300 sf | 10.5 ft |
| Tank width | 12 ft |
| Tank length | 49 ft |
| Tank depth | 12 ft |
| No. of tanks | 2 ea |
| Actual Tank Volume | 12,254 cf |
| Diffuser Submergence Depth | 10 ft |
| Clarifier – New Construction | |
| Max. Surface Loading Rate at 2-Hr Peak Flow | 905 gpd/sf |
| Min. Detention Time at 2-Hr Peak Flow | 1.98 hrs |
| Min. Freeboard at Peak Flow | 12 inches |
| Skimmer Type needed for Flow > 10,000 gpd | Mechanical |
| Min. Side Water Depth @ surface area > 300 sf | 10 ft |
| Tank depth | 12 ft |
| Number of basins | 1 |
| Diameter | 30 ft |
| Surface Area @ PF | 707 sf |
| Actual Basin Volume | 7,069 cf |
| Effluent Weir Loading rate @PEAK flow < 1 MGD | 7,276 gpd/lf |
| Sludge Holding Tanks – New Construction | |
| Min. Detention Time for Aerobic Digesters at 20 deg C | 40 days |
| Max. Solids concentration | 2% |
| Air diffuser should be removable without dewatering the tank | Yes |
| Tank Volume | 7,182 cf |
| Min. Diffuser Submergence Depth | 10 ft |
| Side water depth | 10.5 ft |
| Tank length | 57 ft (split into two equal parts @ 28.5 ft each) |
| Tank width | 12 ft |
| No. of tanks | 2 (one tank split into two equal parts) |
| Mixing Requirements for Diffused Air for Fine Bubbler (from mfr.) | 0.29 cfm/sf |
| Min. Energy input for diffused air mixing (from mfr.) | 30.53 cf/1000 cf of tank volume |
| Chlorine Contact Tank – New Construction | |
| Min. Contact Time @ Peak Flow | 20 mins |
| Side water depth | 6.90 ft |
| Tank width | 8.96 ft |
| Tank length | 19.96 ft |
| Tank depth | 9 ft |
| Actual Tank Volume | 1,234 cf |



Mr. Herrin
Texas Commission on Environmental Quality

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Date: 10/01/2020

| | |
|--|---------------------|
| Actual Detention Time | 20.53 mins |
| Chlorination System | |
| Disinfection Method | Sodium Hypochlorite |
| Minimum Dosage, mg/L | 8 |
| Min. number of pumps each handling capacity flow (1 + 1 standby) | 2 |
| Required chlorine, lbs/day | 11 |
| Pounds of available chlorine in one gallon of Sodium Hypochlorite solution | 1.25 |
| Required Gallons of Sodium Hypochlorite per hour, gph | 0.36 |
| Selected Metering Pump Size, gph (mfr.) | 0.3 to 5.0 |
| Required Gallons of Sodium Hypochlorite per day | 8.54 |
| Max. Storage days (solution strength less > 10%) | 15 |
| Min. Required Tank Size, gallons (15 day storage) | 128 |
| Actual Storage Tank Size, gallons | 250 |
| Actual Day Time Tank Size, gallons | 55 |
| Double Walled | Yes (both tanks) |
| Blowers | |
| Min. Airflow/BOD5 demand load | 3,402 cf/day/lb |
| Required Aeration Air (3200 x lbs BOD /1440) | 742 cfm |
| Min. airflow requirement for diffused air per 1000 cf of digester tank volume | 21.27 cfm |
| Min. Digester Air (30 x 1000 cf) | 215 cfm |
| Min. Airlifts Air (4 @ 10 cfm ea) | 40 cfm |
| Min. number of Blowers Units (2 units + 1 standby) | 2 units + 1 standby |
| Actual blower discharge pressure (mfr.) | 7 psig |
| Actual Blower Efficiency (mfr.) | 71% |
| Actual airflow per blower (mfr.) | 516 cfm |
| Actual Blower HP per unit (mfr.) | 21.1 hp |
| Blower HP per unit | 30 hp |

Certifying Statement:

I hereby certify that the plans and specification for the proposed wastewater treatment plant modifications are in substantial compliance with the requirements of TCEQ Chapter 217 – Design Criteria for Domestic Wastewater Systems.

Very truly yours,

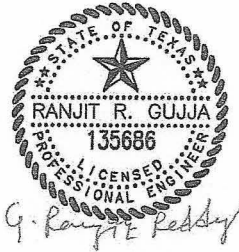
Weston Solutions, Inc.



Mr. Herrin
Texas Commission on Environmental Quality

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Date: 10/01/2020



Name: Ranjit Gujja, P.E.
Title: Project Engineer
Date: 10/01/2020

Attachment 1: Signed and Sealed Plans and Specifications

cc: Shawn Stewart, TCEQ, Water Section Manager, Austin Regional Office
Brent Reeh, AQUA Texas, Inc.

Attachment G

Soil Map & Analyses Results

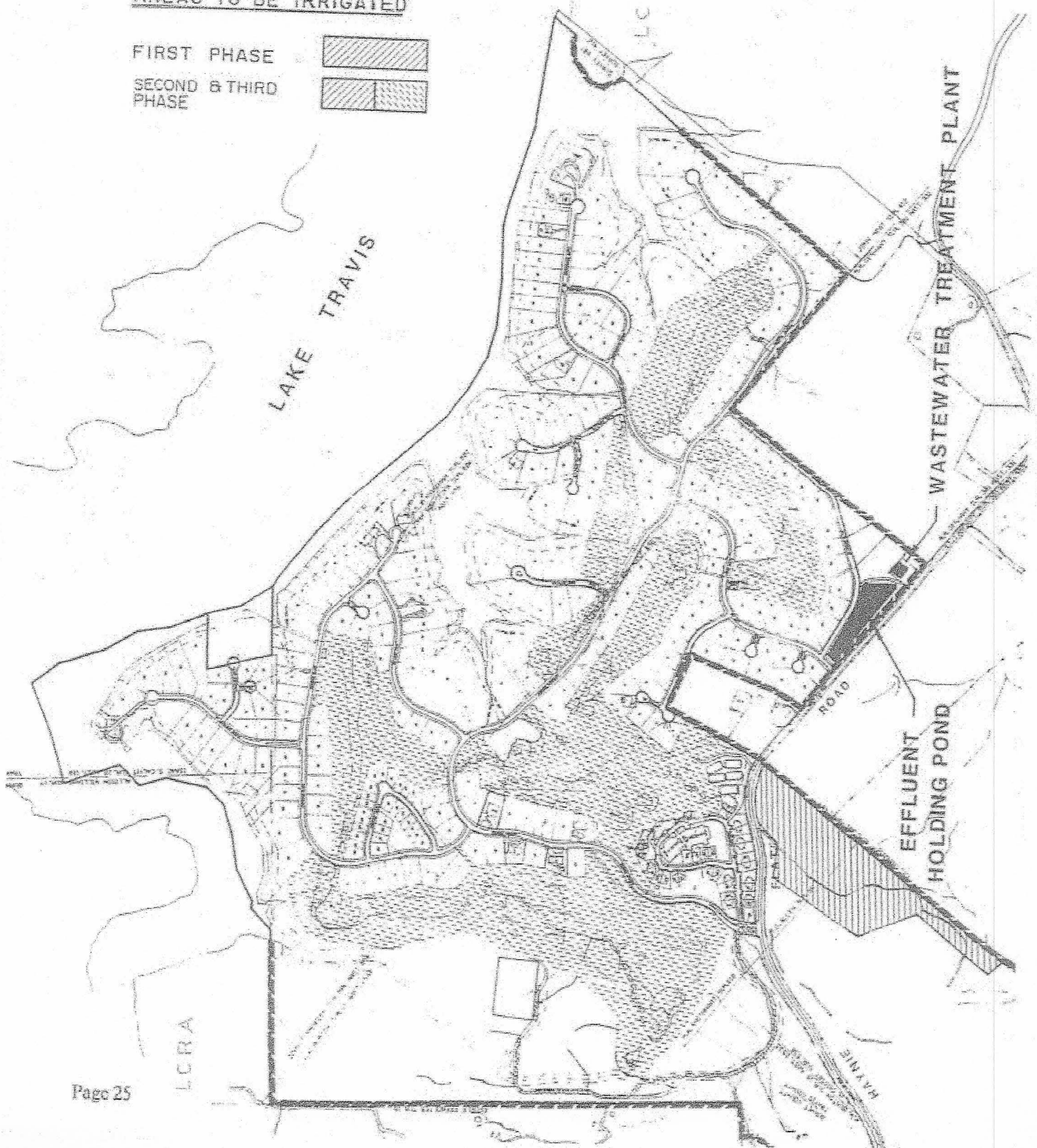
ATTACHMENT A
SITE MAP

AREAS TO BE IRRIGATED

FIRST PHASE



SECOND & THIRD
PHASE





Texas Commission on Environmental Quality

P.O. Box 13087 • Austin, TX 78711-3087

MONTHLY EFFLUENT REPORT

| |
|---------------|
| WQ0013477001 |
| PERMIT NUMBER |

| |
|-------|
| 31748 |
| SET |

| | |
|------|----|
| 2023 | 9 |
| YEAR | MO |

| |
|--------------------------|
| Barton Creek Lakeside |
| EID |

This report to be used for SOIL MON 101 ANN 0-6"

Please retain a photocopy for your records.

| Parameter Code/ Parameter | Effluent Condition | | | No. Ex | Frequency of Analysis | Sample Type |
|--------------------------------------|--------------------|-------------|-----------|-----------|--------------------------|--------------|
| | | Value | Units | | | |
| EXAMPLE 4006080 pH Maximum | Permitted | permitted # | Std Units | | 1/year | 24-hour comp |
| | Reported | result | units | # | | |
| 6651430- Total Phosphorus | Permitted | | | | | |
| | Reported | 26 | ppm | o | 1/year | comp |
| 9371430- Potassium, Total | Permitted | | | | | |
| | Reported | 510 | ppm | o | 1/year | comp |
| 6001430- Total Nitrogen as N | Permitted | | | | | |
| | Reported | 1110 | mg/kg | o | 1/year | comp |
| 9504280- Conductivity Specific | Permitted | | | | | |
| | Reported | 136 | umho/cm | o | 1/year | comp |
| 6251430- Total Kjedaht Nitrogen | Permitted | | | | | |
| | Reported | 1090 | mg/kg | o | 1/year | comp |
| 4006080- pH | Permitted | | | | | |
| | Reported | 7.9 | S.U. | o | 1/year | comp |
| | Permitted | | | | | |
| | Reported | | | | | |
| | Permitted | | | | | |
| | Reported | | | | | |
| | Permitted | | | | | |
| | Reported | | | | | |

COMMENTS AND EXPLANATIONS (Reference all attachments here.)

I CERTIFY THAT I AM FAMILIAR WITH THE INFORMATION CONTAINED IN THIS REPORT AND THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF SUCH INFORMATION IS TRUE AND COMPLETE AND ACCURATE.

| | | | | |
|------------------------|-----------------------------|-------|-----|------|
| PLANT OPERATOR NAME | PLANT OPERATOR SIGNATURE | MONTH | DAY | YEAR |
| Leonel Cruz | | 10 | 19 | 2023 |
| EXECUTIVE OFFICER NAME | EXECUTIVE OFFICER SIGNATURE | MONTH | DAY | YEAR |
| Brent Reeh | | 10 | 19 | 2023 |
| Telephone Number | | 512 | 330 | 9904 |



Texas Commission on Environmental Quality

P.O. Box 13087 • Austin, TX 78711-3087

MONTHLY EFFLUENT REPORT

| |
|---------------|
| WQ0013477001 |
| PERMIT NUMBER |

| |
|-------|
| 31748 |
| SET |

| | |
|------|----|
| 2023 | 9 |
| YEAR | MO |

| |
|--------------------------|
| Barton Creek Lakeside |
| EID |

This report to be used for SOIL MON 201 ANN 6-18"

Please retain a photocopy for your records.

| Parameter Code/ Parameter | Effluent Condition | | | No. Ex | Frequency of Analysis | Sample Type |
|--------------------------------------|--------------------|-------------|-----------|-----------|--------------------------|--------------|
| | | Value | Units | | | |
| EXAMPLE 4006080 pH Maximum | Permitted | permitted # | Std Units | | 1/year | 24-hour comp |
| | Reported | result | units | # | | |
| 6651430- Total Phosphorus | Permitted | | | | | |
| | Reported | 18 | ppm | 0 | 1/year | comp |
| 9371430- Potassium, Total | Permitted | | | | | |
| | Reported | 532 | ppm | 0 | 1/year | comp |
| 6001430- Total Nitrogen as N | Permitted | | | | | |
| | Reported | 840 | mg/kg | 0 | 1/year | comp |
| 9504280- Conductivity Specific | Permitted | | | | | |
| | Reported | 107 | umho/cm | 0 | 1/year | comp |
| 6251430- Total Kjedahl Nitrogen | Permitted | | | | | |
| | Reported | 830 | mg/kg | 0 | 1/year | comp |
| 4006080- pH | Permitted | | | | | |
| | Reported | 8 | S.U. | 0 | 1/year | comp |
| | Permitted | | | | | |
| | Reported | | | | | |
| | Permitted | | | | | |
| | Reported | | | | | |
| | Permitted | | | | | |
| | Reported | | | | | |

COMMENTS AND EXPLANATIONS (Reference all attachments here.)

I CERTIFY THAT I AM FAMILIAR WITH THE INFORMATION CONTAINED IN THIS REPORT AND THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF SUCH INFORMATION IS TRUE AND COMPLETE AND ACCURATE

| | | | | |
|------------------------|-----------------------------|-------|-----|------|
| PLANT OPERATOR NAME | PLANT OPERATOR SIGNATURE | MONTH | DAY | YEAR |
| Leonel Cruz | | 10 | 19 | 2023 |
| EXECUTIVE OFFICER NAME | EXECUTIVE OFFICER SIGNATURE | MONTH | DAY | YEAR |
| Brent Reeh | | 10 | 19 | 2023 |
| Telephone Number | | 512 | 330 | 9904 |



Texas Commission on Environmental Quality

P.O. Box 13087 • Austin, TX 78711-3087

MONTHLY EFFLUENT REPORT

| |
|---------------|
| WQ0013477001 |
| PERMIT NUMBER |

| |
|-------|
| 31748 |
| SET |

| | |
|------|----|
| 2023 | 9 |
| YEAR | MO |

| |
|--------------------------|
| Barton Creek Lakeside |
| EID |

This report to be used for SOIL MON 301 ANN 18-30

Please retain a photocopy for your records.

| Parameter Code/ Parameter | Effluent Condition | | | No. Ex | Frequency of Analysis | Sample Type |
|--------------------------------------|--------------------|-------------|-----------|-----------|--------------------------|--------------|
| | | Value | Units | | | |
| EXAMPLE 4006080 pH Maximum | Permitted | permitted # | Std Units | | 1/year | 24-hour comp |
| | Reported | result | units | # | | |
| 6651430- Total Phosphorus | Permitted | | | | | |
| | Reported | 20 | ppm | 0 | 1/year | comp |
| 9371430- Potassium, Total | Permitted | | | | | |
| | Reported | 546 | ppm | 0 | 1/year | comp |
| 6001430- Total Nitrogen as N | Permitted | | | | | |
| | Reported | 833 | mg/kg | 0 | 1/year | comp |
| 9504280- Conductivity Specific | Permitted | | | | | |
| | Reported | 127 | umho/cm | 0 | 1/year | comp |
| 6251430- Total Kjedahl Nitrogen | Permitted | | | | | |
| | Reported | 823 | mg/kg | 0 | 1/year | comp |
| 4006080- pH | Permitted | | | | | |
| | Reported | 8 | S.U. | 0 | 1/year | comp |
| | Permitted | | | | | |
| | Reported | | | | | |
| | Permitted | | | | | |
| | Reported | | | | | |
| | Permitted | | | | | |
| | Reported | | | | | |

COMMENTS AND EXPLANATIONS (Reference all attachments here.)

I CERTIFY THAT I AM FAMILIAR WITH THE INFORMATION CONTAINED IN THIS REPORT AND THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF SUCH INFORMATION IS TRUE AND COMPLETE AND ACCURATE

| | | | | |
|------------------------|-----------------------------|-------|-----|------|
| PLANT OPERATOR NAME | PLANT OPERATOR SIGNATURE | MONTH | DAY | YEAR |
| Leonel Cruz | | 10 | 19 | 2023 |
| EXECUTIVE OFFICER NAME | EXECUTIVE OFFICER SIGNATURE | MONTH | DAY | YEAR |
| Brent Reeh | | 10 | 19 | 2023 |
| Telephone Number | | 512 | 330 | 9904 |



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION

DOMESTIC TECHNICAL REPORT 1.0

The Following Is Required For All Applications

Renewal, New, And Amendment

Section 1. Permitted or Proposed Flows (Instructions Page 51)

A. Existing/Interim I Phase

Design Flow (MGD):

2-Hr Peak Flow (MGD):

Estimated construction start date: [Click here to enter text](#)

Estimated waste disposal start date: [Click here to enter text](#)

B. Interim II Phase

Design Flow (MGD):

2-Hr Peak Flow (MGD): [Click here to enter text](#)

Estimated construction start date: [Click here to enter text](#)

Estimated waste disposal start date: [Click here to enter text](#)

C. Final Phase

Design Flow (MGD): .160

2-Hr Peak Flow (MGD): [Click here to enter text](#)

Estimated construction start date: [Click here to enter text](#)

Estimated waste disposal start date: [Click here to enter text](#)

D. Current operating phase: Final

Provide the startup date of the facility: June 27, 2022

Section 2. Treatment Process (Instructions Page 51)

A. Treatment process description

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 in the permit, a description of *each phase* must be provided.** Process description:

The facility will employ the complete mix variation of the activated sludge process. From the lift station the wastewater will travel through a coarse bar screen then to the complete mix basin; from the basin the mixed liquor will be transferred to the clarifier where solids will be settle out and clear water will flow over the weirs then into the chlorine contact basin. The settled solids will either be transferred to the digester or returned to the headworks.

Port or pipe diameter at the discharge point, in inches: 6

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) |
|---------------------|-----------------|------------------------|
| Attachment E | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

Section 5. Closure Plans (Instructions Page 53)

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.

Section 6. Permit Specific Requirements (Instructions Page 53)

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: 10/1/2020

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.

C. Process flow diagrams

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

Attachment: C

Section 3. Site Drawing (Instructions Page 52)

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: B

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

Barton Creek Lakeside

Section 4. Unbuilt Phases (Instructions Page 52)

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.

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.

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 512-239-0000. 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.

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 512-239-0000.

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

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 [REDACTED] or TXRNE [REDACTED]

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:

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.

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.

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.

Note: Direct stormwater discharges to waters in the state authorized through this individual permit will require the development and implementation of a stormwater pollution

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

| |
|--|
| |
|--|

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 the facility accepting or will it 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.

| |
|--|
| |
|--|

Section 7. Pollutant Analysis of Treated Effluent (Instructions Page 58)

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).

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

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

| Pollutant | Average Conc. | Max Conc. | No. of Samples | Sample Type | Sample Date/ Time |
|---|---------------|-----------|----------------|-------------|-------------------|
| CBOD ₅ , mg/l | 2.34 | | 1 | Grab | 4/10/24;900 |
| Total Suspended Solids, mg/l | 3.47 | | 1 | Grab | 4/10/24;900 |
| Ammonia Nitrogen, mg/l | 0.0540 | | 1 | Grab | 4/10/24;900 |
| Nitrate Nitrogen, mg/l | 19.6 | | 1 | Grab | 4/10/24;900 |
| Total Kjeldahl Nitrogen, mg/l | <1.0 | | 1 | Grab | 4/10/24;900 |
| Sulfate, mg/l | 56.2 | | 1 | Grab | 4/10/24;900 |
| Chloride, mg/l | 252 | | 1 | Grab | 4/10/24;900 |
| Total Phosphorus, mg/l | 2.02 | | 1 | Grab | 4/10/24;900 |
| pH, standard units | 6.87 | | 1 | Grab | 4/10/24;900 |
| Dissolved Oxygen*, mg/l | 7.30 | | 1 | Grab | 4/10/24;900 |
| Chlorine Residual, mg/l | 1.00 | | 1 | Grab | 4/10/24;900 |
| <i>E.coli</i> (CFU/100ml) freshwater | 4.10 | | 1 | Grab | 4/10/24;900 |
| Enterococci (CFU/100ml) saltwater | N/A | | | | |
| Total Dissolved Solids, mg/l | 802 | | 1 | Grab | 4/10/24;900 |
| Electrical Conductivity, μ mohs/cm, † | 1380 | | 1 | Grab | 4/10/24;900 |
| Oil & Grease, mg/l | <5.00 | | 1 | Grab | 4/10/24;900 |
| Alkalinity (CaCO ₃)*, mg/l | N/A | | | | |

*TPDES permits only

†TLAP permits only

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

| Pollutant | Average Conc. | Max Conc. | No. of Samples | Sample Type | Sample Date/ Time |
|------------------------------|---------------|-----------|----------------|-------------|-------------------|
| Total Suspended Solids, mg/l | | | | | |
| Total Dissolved Solids, mg/l | | | | | |
| pH, standard units | | | | | |

| Pollutant | Average Conc. | Max Conc. | No. of Samples | Sample Type | Sample Date/ Time |
|---------------------------------------|---------------|-----------|----------------|-------------|-------------------|
| Fluoride, mg/l | | | | | |
| Aluminum, mg/l | | | | | |
| Alkalinity (CaCO ₃), mg/l | | | | | |

Section 8. Facility Operator (Instructions Page 60)

Facility Operator Name: Frederick Noe

Facility Operator's License Classification and Level: WW;"C"

Facility Operator's License Number: WW0072793

Section 9. Sewage Sludge Management and Disposal (Instructions Page 60)

A. Sludge disposal method

Identify the current or anticipated sludge disposal method or methods from the following list. Check all that apply.

- ☐ Permitted landfill
- ☐ Permitted or Registered land application site for beneficial use
- ☐ Land application for beneficial use authorized in the wastewater permit
- ☐ Permitted sludge processing facility
- ☐ Marketing and distribution as authorized in the wastewater permit
- ☐ Composting as authorized in the wastewater permit
- ☐ Permitted surface disposal site (sludge monofill)
- ☐ Surface disposal site (sludge monofill) authorized in the wastewater permit
- ☒ Transported to another permitted wastewater treatment plant or permitted sludge processing facility. If you selected this method, a written statement or contractual agreement from the wastewater treatment plant or permitted sludge processing facility accepting the sludge must be included with this application.
- ☐ Other:



Aqua TX
2211 Louetta Road
Spring, TX 77388

Reported:
05/01/2024 11:02

Sample Results

Client Sample ID: Outfall 001
Lab Sample ID: 24D3083-01

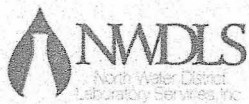
Sample Matrix: Waste Water
Date Collected: 04/10/2024 9:00
Collected by: Francisco Gutierrez

Barton Creek Lakeside - Non Pot - Permit Renewal

Aqua Tx Barto

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|--|-------------------------------------|---|----------|------------------|-------|--------|------|---------|------------------|---------|
| General Chemistry | | | | | | | | | | |
| SM 2320 B | Alkalinity as CaCO ₃ | A | 118 | mg/L | 1 | 10.0 | 10.0 | BHD1952 | 04/11/2024 16:50 | AKA |
| SM 5210 B | Biochemical Oxygen Demand (BOD) | A | 2.90 FF | mg/L | 13514 | 2.03 | 2.03 | BHD1945 | 04/16/2024 09:17 | BAK |
| SM 5210 B | Carbonaceous BOD (CBOD) | A | 2.34 | mg/L | 13514 | 2.03 | 2.03 | BHD1946 | 04/16/2024 09:25 | OLD |
| EPA 300.0 | Chloride | A | 252 | mg/L | 20 | 0.690 | 20.0 | BHD2097 | 04/11/2024 16:40 | ORP |
| SM 2510 B | Conductivity | A | 1380 | umhos/cm @ 25 °C | 1 | 2.00 | 2.00 | BHD1952 | 04/11/2024 16:50 | AKA |
| EPA 300.0 | Nitrate as N | A | 19.6 | mg/L | 20 | 0.284 | 2.00 | BHD2097 | 04/11/2024 16:40 | ORP |
| EPA 1664A | n-Hexane Extractable Material (O&G) | A | <5.00 U | mg/L | 1 | 5.00 | 5.00 | BHD3771 | 04/22/2024 09:00 | IDC |
| EPA 300.0 | Sulfate | A | 56.2 | mg/L | 1 | 0.0341 | 1.00 | BHD2097 | 04/11/2024 16:20 | ORP |
| SM 2540 C | Residue-filterable (TDS) | A | 802 B1 | mg/L | 1 | 10.0 | 10.0 | BHD1944 | 04/12/2024 12:49 | JRU |
| SM 4500-NH3 C | Total Kjeldahl Nitrogen - (TKN) | A | <1.00 U | mg/L | 1 | 0.100 | 1.00 | BHD2628 | 04/16/2024 12:20 | GIW |
| SM 2540 D | Residue-nonfilterable (TSS) | A | 3.47 | mg/L | 1 | 1.00 | 1.00 | BHD2049 | 04/12/2024 10:11 | ENR |
| Microbiology | | | | | | | | | | |
| SM 9223 B (Colilert Quanti-Tray) | Escherichia coli (E. coli) | A | 4.10 | MPN/100 mL | 1 | 1.00 | 1.00 | BHD1918 | 04/11/2024 17:42 | KIO |
| Field | | | | | | | | | | |
| Hach 10360 | DO Field | N | 7.30 | mg/L | 1 | 1.00 | 1.00 | BHD2020 | 04/10/2024 09:00 | FG |
| Calc | Flow Field | N | 0.0189 | MGD | 1 | 0.00 | 0.00 | BHD2020 | 04/10/2024 09:00 | FG |
| SM 4500-H+ B | pH | A | 6.87 | pH Units @ 25 °C | 1 | 1.00 | 1.00 | BHD2020 | 04/10/2024 09:00 | FG |
| SM 4500-Cl G | Total Residual Chlorine | A | 1.00 | mg/L | 1 | 0.25 | 0.25 | BHD2020 | 04/10/2024 09:00 | FG |

* A = Accredited, N = Not Accredited or Accreditation not available



130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00086

Aqua TX
2211 Louetta Road
Spring, TX 77388

Reported:
05/01/2024 11:02

Sample Results
(Continued)

Client Sample ID: Outfall 001
Lab Sample ID: 24D3083-01RE1

Sample Matrix: Waste Water
Date Collected: 04/10/2024 9:00
Collected by: Francisco Gutierrez

Barton Creek Lakeside - Non Pot - Permit Renewal

Aqua Tx Barto

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|--------|---------|---|----------|-------|----|-----|-----|-------|----------|---------|
|--------|---------|---|----------|-------|----|-----|-----|-------|----------|---------|

General Chemistry

| | | | | | | | | | | |
|-----------|--------------------------|---|--------|------|---|--------|--------|---------|------------------|-----|
| EPA 350.1 | Ammonia as N (Rerun) | A | 0.0540 | mg/L | 1 | 0.0200 | 0.0500 | BHD2809 | 04/16/2024 13:23 | NAZ |
| EPA 365.1 | Total Phosphorus (Rerun) | A | 2.02 | mg/L | 1 | 0.117 | 0.200 | BHD4245 | 04/26/2024 09:56 | TBB |

* A = Accredited, N = Not Accredited or Accreditation not available

B. Sludge disposal site

Disposal site name: Wastewater Residual Management LLC

TCEQ permit or registration number: WQ0002384000

County where disposal site is located: Travis

C. Sludge transportation method

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

Name of the hauler: Wastewater Transport Service LLC

Hauler registration number: 24343

Sludge is transported as a:

Liquid ☐

semi-liquid ☒

semi-solid ☐

solid ☐

Section 10. Permit Authorization for Sewage Sludge Disposal (Instructions Page 60)

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 61)

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:

- USDA Natural Resources Conservation Service Soil Map:

Attachment:

- Federal Emergency Management Map:

Attachment:

- Site map:

Attachment:

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:

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:

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:

Total Kjeldahl Nitrogen, mg/kg:

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

Phosphorus, mg/kg:

Potassium, mg/kg:

pH, standard units:

Ammonia Nitrogen mg/kg:

Arsenic:

Cadmium:

Chromium:

Copper:

Lead:

Mercury:

Molybdenum:

Nickel:

Selenium:

Zinc:

Total PCBs:

Provide the following information:

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

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

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

C. Liner information

Does the active/proposed sludge lagoon(s) have a liner with a maximum hydraulic conductivity

of 1×10^{-7} cm/sec?

Yes ☐ No ☐

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

D. Site development plan

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

Attach the following documents to the application.

- Plan view and cross-section of the sludge lagoon(s)

Attachment:

- Copy of the closure plan

Attachment:

- Copy of deed recordation for the site

Attachment:

- Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons

Attachment:

- Description of the method of controlling infiltration of groundwater and surface water from entering the site

Attachment:

- Procedures to prevent the occurrence of nuisance conditions

Attachment:

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:

Section 12. Authorizations/Compliance/Enforcement (Instructions Page 63)

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:

Authorization No. R13477-001-Reclaimed water from the Aqua Texas Wastewater Treatment Plant (Permit No. 11459001) to be used for irrigation of Lake Cliff Golf Course.

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:

Agreed Order 2021-0476-MWD-E-Attachment H

Section 13. RCRA/CERCLA Wastes (Instructions Page 63)

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:



Section 14. Laboratory Accreditation (Instructions Page 64)

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: Craig Blanchette

Title: President

Signature: C Blanchette

Date: 6/10/24

DOMESTIC WORKSHEET 3.0

LAND DISPOSAL OF EFFLUENT

The following is required for all permit applications
Renewal, New, and Amendments

Section 1. Type of Disposal System (Instructions Page 77)

Identify the method of land disposal:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Surface application | <input type="checkbox"/> Subsurface application |
| <input type="checkbox"/> Irrigation | <input type="checkbox"/> Subsurface soils absorption |
| <input type="checkbox"/> Drip irrigation system | <input type="checkbox"/> Subsurface area drip dispersal system |
| <input type="checkbox"/> Evaporation | |
| <input type="checkbox"/> Evapotranspiration beds | |
| <input type="checkbox"/> Other (describe in detail): | |

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

For existing authorizations, provide Registration Number:

Section 2. Land Application Site(s) (Instructions Page 77)

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 |
|---------------------------|-------------------------|----------------------------|--------------------|
| Golf Course-Bermuda Grass | | 40,000 | Y |
| | | | |
| | | | |

| Crop Type & Land Use | Irrigation Area (acres) | Effluent Application (GPD) | Public Access? Y/N |
|----------------------|-------------------------|----------------------------|--------------------|
| | | | |

Section 3. Storage and Evaporation Lagoons/Ponds (Instructions Page 77)

Table 3.0(2) – Storage and Evaporation Ponds

| Pond Number | Surface Area (acres) | Storage Volume (acre-feet) | Dimensions | Liner Type |
|-------------|----------------------|----------------------------|------------|------------|
| 1 | 1.98 | 19.73 | | synthetic |
| | | | | |
| | | | | |
| | | | | |

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

Attachment: 

Section 4. Flood and Runoff Protection (Instructions Page 77)

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.

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

FEMA Map-48453C0180H

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

berms

Section 5. Annual Cropping Plan (Instructions Page 77)

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: J

- 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 78)

Attach a USGS map with the following information shown and labeled. If not applicable, provide a detailed explanation (on a separate page) indicating why.

Attachment: N/A

- 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 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 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 |
|---------|----------|-------------------|--|-----------------------------------|
| | | | Choose an item. | |
| | | | Choose an item. | |
| | | | Choose an item. | |
| | | | Choose an item. | |
| | | | Choose an item. | |

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

Attachment: [Click here to enter text](#)

Section 7. Groundwater Quality (Instructions Page 79)

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

Attachment: [Click here to enter text.](#)

Section 8. Soil Map and Soil Analyses (Instructions Page 79)

A. Soil map

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

Attachment: G

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: G

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 |
|-------------|--------------------------|--------------|--------------------------------|-----------------|
| AgB | 5" | Moderate | High | |
| AgC2 | 5" | Moderate | High | |
| HnB | 24" | Low | High | |
| PdC | 8" | Moderate | High | |
| TaD | 8" | Moderate | Low | |
| | | | | |
| | | | | |
| | | | | |

Section 9. Effluent Monitoring Data (Instructions Page 80)

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 |
|-------------|------------------------------------|----------------------|---------------------|-----------|---------------------------------------|------------------------|
| 10/22 | .018 | <2.03 | 1.26 | 8.06 | N/A | <193 |
| 11/22 | 2.63 | <2.03 | 2.32 | 7.79 | N/A | <193 |
| 12/22 | .0371 | 3.04 | 4.74 | 7.33 | N/A | <193 |
| 1/23 | .0164 | 2.76 | 8.35 | 7.95 | N/A | <193 |
| 2/23 | .0667 | 2.14 | 4.05 | 8.09 | N/A | <193 |
| 3/23 | .0002 | 2.09 | 2.48 | 7.48 | N/A | <193 |
| 4/23 | .0584 | <2.03 | 2.42 | 7.57 | N/A | <193 |
| 5/23 | .0421 | <2.03 | 1.06 | 7.36 | N/A | <193 |
| 6/23 | .0634 | <2.03 | 1.69 | 8 | N/A | <193 |
| 7/23 | .0753 | <2.03 | 2.21 | 7.39 | N/A | <193 |
| 8/23 | .0566 | <2.03 | 2.42 | 7.69 | N/A | <193 |
| 9/23 | .076 | <2.03 | 3.32 | 7.53 | N/A | <193 |
| 10/23 | .0634 | <2.03 | 2.16 | 7.99 | N/A | <193 |
| 11/23 | .0465 | <2.22 | 1.58 | 7.90 | N/A | <193 |
| 12/23 | .0372 | <2.03 | 1.89 | 7.76 | N/A | <193 |
| 1/24 | .0112 | .0112 | 3.06 | 7.31 | N/A | <193 |
| 2/24 | .0112 | .0112 | 2.22 | 7.05 | N/A | <193 |
| 3/24 | .0035 | .0035 | 2.27 | 7.02 | N/A | <193 |
| 4/24 | .0189 | .0189 | 2.90 | 6.89 | N/A | <193 |
| | | | | | | |
| | | | | | | |

| Date | 30 Day Avg Flow MGD | BOD5 mg/l | TSS mg/l | pH | Chlorine Residual mg/l | Acres irrigated |
|-------------|------------------------------------|----------------------|---------------------|-----------|---------------------------------------|------------------------|
| | | | | | | |
| | | | | | | |
| | | | | | | |

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

DOMESTIC WORKSHEET 3.0

LAND DISPOSAL OF EFFLUENT

The following is required for all permit applications
Renewal, New, and Amendments

Section 1. Type of Disposal System (Instructions Page 77)

Identify the method of land disposal:

- | | |
|--|--|
| <input checked="" type="checkbox"/> Surface application | <input type="checkbox"/> Subsurface application |
| <input type="checkbox"/> Irrigation | <input type="checkbox"/> Subsurface soils absorption |
| <input type="checkbox"/> Drip irrigation system | <input type="checkbox"/> Subsurface area drip dispersal system |
| <input type="checkbox"/> Evaporation | |
| <input type="checkbox"/> Evapotranspiration beds | |
| <input type="checkbox"/> Other (describe in detail): Click here 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 here to enter text.](#)

Section 2. Land Application Site(s) (Instructions Page 77)

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 |
|---------------------------|-------------------------|----------------------------|--------------------|
| Golf Course-Bermuda Grass | 193 | 120,000 | Y |
| | | | |
| | | | |

Re: Application to Renew Permit No. WQ0013477001 - Notice of Deficiency Letter

Stephanie Landsman <stephanie@landsmanenviro.com>

Tue 7/2/2024 3:06 PM

To:Savannah Jackson <Savannah.Jackson@tceq.texas.gov>

1 attachments (1 MB)

Barton Creek Lakeside Revised Worksheet 3.pdf;

On Tue, Jul 2, 2024 at 1:49 PM Savannah Jackson <Savannah.Jackson@tceq.texas.gov> wrote:

Good Afternoon,

I just noticed that Worksheet 3.0, Section 2 does not match the current permit. Please revise this table to match (Irrigation Area should be 193 acres, and Effluent Application should be .12 MGD or 120,000 GPD) and send the updated version to me via email.

Thank you,



Savannah Jackson
Texas Commission on Environmental Quality
Water Quality Division
512-239-4306
savannah.jackson@tceq.texas.gov

From: Savannah Jackson
Sent: Monday, July 1, 2024 3:31 PM
To: stephanie@landsmanenviro.com <stephanie@landsmanenviro.com>
Cc: abautista@aguaamerica.com <abautista@aguaamerica.com>; Erwin Madrid <Erwin.Madrid@tceq.texas.gov>
Subject: Application to Renew Permit No. WQ0013477001 - Notice of Deficiency Letter

Dear Ms. Stephanie Landsman,

The attached Notice of Deficiency letter sent on July 1, 2024, requests additional information needed to declare the application administratively complete. Please send the complete response to my attention by July 15, 2024.

Thank you,



Savannah Jackson
Texas Commission on Environmental Quality
Water Quality Division
512-239-4306
savannah.jackson@tceq.texas.gov

--
Stephanie Landsman
Wastewater Specialist
Landsman Environmental LLC
9597 Jones Road #962
Jersey Village, TX 77065
(281)-658-5899



Comisión de Calidad Ambiental del Estado de Texas



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

PERMISO NO. WQ0013477001

SOLICITUD. Aqua Texas, Inc., 1106 Clayton Lane, Suite 400W, Austin, Texas 78723, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso para la Aplicación en Terrenos de Texas (TLAP) No. WQ0013477001 para autorizar la disposición de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 120,000 galones por día vía la irrigación de superficie de 193 acres de un campo de golf. La instalación de tratamiento de aguas residuales domésticas y el sitio de disposición están ubicados aproximadamente 2 millas al norte de la intersección de Haynie Road y State Highway 71, en el Condado de Travis, Texas 78669. La TCEQ recibió esta solicitud el 27 de junio de 2024. La solicitud del permiso está disponible para leerla y copiarla en la Biblioteca de la Comunidad de Spicewood, 1011 Spur 191, Spicewood, en el Condado de Travis, Texas, antes de la fecha de publicación de este aviso en el periódico. La solicitud, incluidas las actualizaciones y los avisos asociados, están disponibles electrónicamente en la siguiente página web:

<https://www.tceq.texas.gov/permitting/wastewater/pendingpermits/tlap-applications>. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-98.092222,30.455277&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 todos 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 por qué 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. Además, puede pedir que la TCEQ ponga su nombre en una o más de las listas de correos siguientes (1) la lista de correo permanente para recibir los avisos de el solicitante indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado específico. Si desea que se agregue su nombre en una de las listas designe cual lista(s) y envía por correo su pedido a la Oficina del Secretario Principal de la

TCEQ.

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

También se puede obtener información adicional de Aqua Texas, Inc. a la dirección indicada arriba o llamando al Sr. Abel Bautista, Coordinador de Cumplimiento de Aguas Residuales, al 281-651-0174.

Fecha de emisión: