



# 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 \*\*

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

### AGUAS RESIDUALES Domésticas /AGUAS PLUVIALES

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

Park Sewer Company (CN: 605480086)) opera Park Water WWTP (RN:110288503), un Planta de tratamiento de aguas residuales. La instalación está ubicada en aproximadamente 1.0 milla al noreste de la intersección de East County Road 120 y South County Road 1110, en Midland, Condado de Midland, Texas 79706. El solicitante está solicitando la renovación del permiso TPDES para la instalación existente de la planta de tratamiento de aguas residuales con una enmienda menor a la fase de flujo provisional para que coincida con el progreso de desarrollo en la localidad El vertido de aguas tratadas desde esta instalación no deberá exceder un flujo promedio diario de 357,850 galones por día La instalación descargará en Midland Draw, luego en Johnson Draw, luego en Mustang Draw, luego en Beals Creek y finalmente en el río Colorado debajo del lago JB Thomas, en el segmento No 1412 de la cuenca del río Colorado.

Se espera que las descargas de la instalación contengan Las cantidades mínimas de CBOD, sólidos suspendidos, nitrógeno amoniacal y fósforo se encuentran dentro de los rangos aceptables según lo descrito por la TCEQ. Las aguas residuales provienen de la subdivisión circundante. está tratado por mediante filtración de membrana en un proceso de lodos activados y luego se desinfectan mediante lámparas ultravioleta.

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

### AGUAS RESIDUALES Domésticas /AGUAS PLUVIALES

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Se espera que las descargas de la instalación contengan Las cantidades mínimas de CBOD, sólidos suspendidos, nitrógeno amoniacal y fósforo se encuentran dentro de los rangos aceptables según lo descrito por la TCEQ. Las aguas residuales provienen de la subdivisión circundante. está tratado por mediante filtración de membrana en un proceso de lodos activados y luego se desinfectan mediante lámparas ultravioleta.

# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

PERMIT NO. WQ0015661001

**APPLICATION.** Park Sewer Company, 2409 South County Road 1110, Midland, Texas 79706, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0015661001 (EPA I.D. No. TX0138363) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 360,000 gallons per day. The domestic wastewater treatment facility is located approximately 1.0-mile northeast of the intersection of East County Road 120 and South County Road 1110, in Midland County, Texas 79706. The discharge route from the plant site to Midland Draw; thence to Johnson Draw; thence to Mustang Draw; thence to Beals Creek; thence to Colorado River Below Lake J.B. Thomas. TCEQ received this application on August 7, 2024. The permit application will be available for viewing and copying at Midland County Public Library, 301 West Missouri Avenue, Midland, in Midland County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-101.923888,32.000555&level=18>

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

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

**PUBLIC COMMENT / PUBLIC MEETING.** You may submit public comments or request a public meeting on this application. The purpose of a public meeting is to provide the

opportunity to submit comments or to ask questions about the application. TCEQ will hold a public meeting if the Executive Director determines that there is a significant degree of public interest in the application or if requested by a local legislator. A public meeting is not a contested case hearing.

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

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

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

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

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

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

**INFORMATION AVAILABLE ONLINE.** For details about the status of the application, visit the Commissioners' Integrated Database at [www.tceq.texas.gov/goto/cid](http://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](http://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 Park Sewer Company at the address stated above or by calling Mr. Jason Bethke, M.B.A., CEO/Park Sewer Company, at 432-664-2376.

Issuance Date: September 17, 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. WQ0015661001**

**SOLICITUD.** Park Sewer Company, 2409 South County Road, 1110, Midland, Texas, 79706, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0015661001 (EPA I.D. No. TX0138363) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 360,000 galones por día. La planta está ubicada 1.0 milla al noreste de la intersección de East County Road 120 y South County Road 1110 en el Condado de Midland, Texas. La ruta de descarga es del sitio de la planta a través de una tubería que descarga a Midland Draw, de allí a Johnson Draw, de allí a Mustang Draw, de allí a Beals Creek, de allí al río Colorado por debajo del lago J.B. Thomas en el segmento No. 1412 de la cuenca del río Colorado. La TCEQ recibió esta solicitud 7 de agosto de 2024. La solicitud para el permiso estará disponible para leerla y copiarla en la Biblioteca Pública del Condado de Midland, 301 West Missouri Avenue, Midland, en el Condado de Midland, Texas antes de la fecha en que se publique este aviso en el periódico. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web: <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>.

Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-101.923888,32.000555&level=18>

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

**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 correos siguientes (1) la lista de correo permanente para recibir los avisos del 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.

**INFORMACIÓN DISPONIBLE EN LÍNEA.** Para detalles sobre el estado de la solicitud, favor de visitar la Base de Datos Integrada de los Comisionados en [www.tceq.texas.gov/goto/cid](http://www.tceq.texas.gov/goto/cid). Para buscar en la base de datos, utilizar el número de permiso para esta solicitud que aparece en la parte superior de este aviso.

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

También se puede obtener información adicional del del Park Sewer Company a la dirección indicada arriba o llamando a Jason Bethke al (480) 252-2819

Fecha de emisión: 17 de septiembre de 2024

# Texas Commission on Environmental Quality



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

### RENEWAL

#### PERMIT NO. WQ0015661001

**APPLICATION AND PRELIMINARY DECISION.** Park Sewer Company, 2409 South County Road 1110, Midland, Texas 79706, has applied to the Texas Commission on Environmental Quality (TCEQ) for a renewal of Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0015661001 which authorizes the discharge of treated domestic wastewater at a daily average flow not to exceed 360,000 gallons per day. TCEQ received this application on August 7, 2024.

The facility is located approximately 1.0-mile northeast of the intersection of East County Road 120 and South County Road 1110, in Midland County, Texas 79706. The treated effluent is discharged to Midland Draw, thence to Johnson Draw, thence to Mustang Draw, thence to Beals Creek, thence to Colorado River Below Lake J.B. Thomas in Segment No. 1412 of the Colorado River Basin. The unclassified receiving water use is minimal aquatic life use for Midland Draw. The designated uses for Segment No. 1412 are primary contact recreation and high aquatic life use. All determinations are preliminary and subject to additional review and/or revisions. 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=-101.923888,32.000555&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 Midland County Public Library, 301 West Missouri Avenue, Midland, in Midland County, Texas. The application, including any updates, and associated notices are available electronically at the following webpage:  
<https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>.

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

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

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

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

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

The Commission may only grant a request for a contested case hearing on issues the requestor submitted in their timely comments that were not subsequently withdrawn. **If a hearing is granted, the subject of a hearing will be limited to disputed issues of fact or mixed questions of fact and law relating to relevant and material water quality concerns submitted during the comment period. 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](http://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](http://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](http://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](http://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 Park Sewer Company at the address stated above or by calling Mr. Jason Bethke, M.B.A., CEO/Park Sewer Company, at 432-664-2376.

Issuance Date: May 28, 2025

# Comisión De Calidad Ambiental Del Estado De Texas



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

### RENOVACIÓN

#### PERMISO NO. WQ0015661001

**SOLICITUD Y DECISIÓN PRELIMINAR.** Park Sewer Company, 2409 South County Road 1110, Midland Texas 79706, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) una renovación para autorizar Permiso del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) No. WQ0015661001, que autoriza la descarga de aguas residuales domésticas tratadas con un flujo promedio diario que no exceda los 360,000 galones por día. La TCEQ recibió esta solicitud el August 7, 2024.

La instalación se encuentra aproximadamente a 1.0 milla al noreste de la intersección de East County Road 120 y South County Road 1110, en el condado de Midland, Texas 79706. El efluente tratado se descarga en Midland Draw, de allí a Johnson Draw, luego a Mustang Draw, posteriormente a Beals Creek, y finalmente al río Colorado debajo del lago J.B. Thomas en el Segmento No.1412 de la cuenca del río Colorado. El uso del agua receptora no clasificada es uso mínimo de vida acuática para Midland Draw. Los usos designados para el Segmento No. 1412 son recreación de contacto primario y uso elevado de vida acuática. Todas las determinaciones son preliminares y están sujetas a revisión y/o modificaciones adicionales. Este enlace a un mapa electrónico del sitio o de la ubicación general de la instalación se proporciona como una cortesía pública y no forma parte de la solicitud ni del aviso. Para conocer la ubicación exacta, consulte la solicitud:

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-101.923888,32.000555&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 Midland County Public Library, 301 West Missouri Avenue, Midland, in Midland County, Texas. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web:

<https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>. 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=-101.923888,32.000555&level=18>

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

**COMENTARIO PUBLICO / REUNION PUBLICA.** 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 para descargar aguas residuales 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 a la Oficina del Secretario Principal, MC 105, TCEQ, P.O. Box 13087, Austin, TX 78711-3087 or por el internet a [www.tceq.texas.gov/about/comments.html](http://www.tceq.texas.gov/about/comments.html).** Tenga en cuenta que cualquier información personal que usted proporcione, incluyendo su nombre, número de teléfono, dirección de correo electrónico y dirección física pasarán a formar parte del registro público de la Agencia.

**CONTACTOS E INFORMACIÓN DE LA AGENCIA.** Los comentarios y solicitudes públicas deben enviarse electrónicamente a <https://www14.tceq.texas.gov/epic/eComment/>, o por escrito a Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Cualquier información personal que envíe a 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](http://www.tceq.texas.gov/goto/pep). Si desea información en español, puede llamar al 1-800-687-4040.

También se puede obtener información adicional del Park Sewer Company a la dirección indicada arriba o llamando a Mr. Jason Bethke, MBA CEO Park Sewer Company, al 432-664-2376.

Fecha de emisión: 28 de mayo de 2028



TPDES PERMIT NO. WQ0015661001  
*[For TCEQ office use only - EPA I.D.  
No. TX0138363]*

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

This is a renewal that replaces TPDES  
Permit No. WQ0015661001 issued on  
June 18, 2020.

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

Park Sewer Company

whose mailing address is

2409 South County Road 1110  
Midland, Texas 79706

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

located approximately 1.0-mile northeast of the intersection of East County Road 120 and  
South County Road 1110, in Midland County, Texas 79706

to Midland Draw, thence to Johnson Draw, thence to Mustang Draw, thence to Beals Creek, thence to  
Colorado River Below Lake J.B. Thomas in Segment No. 1412 of the Colorado River Basin

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

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

ISSUED DATE:

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For the Commission

INTERIM I EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTSOutfall Number 001

1. During the period beginning upon the date of issuance and lasting through the completion of expansion to the 0.145 million gallons per day (MGD) facility, the permittee is authorized to discharge subject to the following effluent limitations:

The daily average flow of effluent shall not exceed 0.085 MGD, nor shall the average discharge during any two-hour period (2-hour peak) exceed 236 gallons per minute.

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Min. Self-Monitoring Requirements</u>	
	Daily Avg mg/l (lbs/day)	7-day Avg mg/l	Daily Max mg/l	Single Grab mg/l	Report Daily Avg. & Max. Single Grab Measurement Frequency	Sample Type
Flow, MGD	Report	N/A	Report	N/A	Continuous	Instantaneous
Carbonaceous Biochemical Oxygen Demand (5-day)	5 (3.5)	10	20	30	One/week	Grab
Total Suspended Solids	5 (3.5)	10	20	30	One/week	Grab
Ammonia Nitrogen	2 (1.4)	1.4	10	15	One/week	Grab
Total Phosphorus*	Report (21.26 lbs/month)	N/A	N/A	N/A	One/week	Grab
<i>E. coli</i> , colony-forming units or most probable number per 100 ml	126	N/A	N/A	399	Five/week	Grab

\* The Total Phosphorus Effluent Limitation and Measurement Frequency are only applicable when discharging to the Midland Draw.

2. The permittee shall utilize an Ultraviolet Light (UV) system for disinfection purposes. An equivalent method of disinfection may be substituted only with prior approval of the Executive Director.
3. The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored once per month by grab sample.
4. There shall be no discharge of floating solids or visible foam in other than trace amounts and no discharge of visible oil.
5. Effluent monitoring samples shall be taken at the following location(s): Following the final treatment unit.
6. The effluent shall contain a minimum dissolved oxygen of 4.0 mg/l and shall be monitored once per week by grab sample.

INTERIM II EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Outfall Number 001

1. During the period beginning upon the completion of the expansion to the 0.145 million gallons per day (MGD) facility and lasting through the completion of expansion to the 0.18 MGD facility, the permittee is authorized to discharge subject to the following effluent limitations:

The daily average flow of effluent shall not exceed 0.145 MGD, nor shall the average discharge during any two-hour period (2-hour peak) exceed 403 gallons per minute.

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Min. Self-Monitoring Requirements</u>	
	Daily Avg mg/l (lbs/day)	7-day Avg mg/l	Daily Max mg/l	Single Grab mg/l	Report Daily Avg. & Max. Measurement Frequency	Single Grab Sample Type
Flow, MGD	Report	N/A	Report	N/A	Continuous	Instantaneous
Carbonaceous Biochemical Oxygen Demand (5-day)	5 (6)	10	20	30	One/week	Grab
Total Suspended Solids	5 (6)	10	20	30	One/week	Grab
Ammonia Nitrogen	2 (2.4)	1.4	10	15	One/week	Grab
Total Phosphorus*	Report (36.27 lbs/month)	N/A	N/A	N/A	One/week	Grab
<i>E. coli</i> , colony-forming units or most probable number per 100 ml	126	N/A	N/A	399	Five/week	Grab

\* The Total Phosphorus Effluent Limitation and Measurement Frequency are only applicable when discharging to the Midland Draw.

2. The permittee shall utilize an Ultraviolet Light (UV) system for disinfection purposes. An equivalent method of disinfection may be substituted only with prior approval of the Executive Director.
3. The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored once per month by grab sample.
4. There shall be no discharge of floating solids or visible foam in other than trace amounts and no discharge of visible oil.
5. Effluent monitoring samples shall be taken at the following location(s): Following the final treatment unit.
7. The effluent shall contain a minimum dissolved oxygen of 4.0 mg/l and shall be monitored once per week by grab sample.

INTERIM III EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Outfall Number 001

1. During the period beginning upon the completion of the expansion to the 0.18 million gallons per day (MGD) facility and lasting through the completion of expansion to the 0.24 MGD facility, the permittee is authorized to discharge subject to the following effluent limitations:

The daily average flow of effluent shall not exceed 0.18 MGD, nor shall the average discharge during any two-hour period (2-hour peak) exceed 500 gallons per minute.

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Min. Self-Monitoring Requirements</u>	
	Daily Avg mg/l (lbs/day)	7-day Avg mg/l	Daily Max mg/l	Single Grab mg/l	Report Daily Avg. & Max. Measurement Frequency	Single Grab Sample Type
Flow, MGD	Report	N/A	Report	N/A	Continuous	Instantaneous
Carbonaceous Biochemical Oxygen Demand (5-day)	5 (7.5)	10	20	30	One/week	Grab
Total Suspended Solids	5 (7.5)	10	20	30	One/week	Grab
Ammonia Nitrogen	2 (3)	1.4	10	15	One/week	Grab
Total Phosphorus*	Report (45.0 lbs/month)	1.5	3	4.5	One/week	Grab
<i>E. coli</i> , colony-forming units or most probable number per 100 ml	126	N/A	N/A	399	Five/week	Grab

\* The Total Phosphorus Effluent Limitation and Measurement Frequency are only applicable when discharging to the Midland Draw.

2. The permittee shall utilize an Ultraviolet Light (UV) system for disinfection purposes. An equivalent method of disinfection may be substituted only with prior approval of the Executive Director.
3. The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored once per month by grab sample.
4. There shall be no discharge of floating solids or visible foam in other than trace amounts and no discharge of visible oil.
5. Effluent monitoring samples shall be taken at the following location(s): Following the final treatment unit.
8. The effluent shall contain a minimum dissolved oxygen of 4.0 mg/l and shall be monitored once per week by grab sample.

INTERIM IV EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Outfall Number 001

1. During the period beginning upon the completion of the expansion to the 0.24 million gallons per day (MGD) facility and lasting through the completion of expansion to the 0.36 MGD facility, the permittee is authorized to discharge subject to the following effluent limitations:

The daily average flow of effluent shall not exceed 0.24 MGD, nor shall the average discharge during any two-hour period (2-hour peak) exceed 667 gallons per minute.

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Min. Self-Monitoring Requirements</u>	
	Daily Avg mg/l (lbs/day)	7-day Avg mg/l	Daily Max mg/l	Single Grab mg/l	Report Daily Avg. & Max. Measurement Frequency	Single Grab Sample Type
Flow, MGD	Report	N/A	Report	N/A	Continuous	Instantaneous
Carbonaceous Biochemical Oxygen Demand (5-day)	5 (10)	10	20	30	One/week	Grab
Total Suspended Solids	5 (10)	10	20	30	One/week	Grab
Ammonia Nitrogen	2 (4.0)	1.4	10	15	One/week	Grab
Total Phosphorus*	0.75(1.50)	1.5	3	4.5	One/week	Grab
<i>E. coli</i> , colony-forming units or most probable number per 100 ml	126	N/A	N/A	399	Five/week	Grab

\* The Total Phosphorus Effluent Limitation and Measurement Frequency are only applicable when discharging to the Midland Draw.

2. The permittee shall utilize an Ultraviolet Light (UV) system for disinfection purposes. An equivalent method of disinfection may be substituted only with prior approval of the Executive Director.
3. The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored once per month by grab sample.
4. There shall be no discharge of floating solids or visible foam in other than trace amounts and no discharge of visible oil.
5. Effluent monitoring samples shall be taken at the following location(s): Following the final treatment unit.
9. The effluent shall contain a minimum dissolved oxygen of 4.0 mg/l and shall be monitored once per week by grab sample.

FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Outfall Number 001

1. During the period beginning upon the completion of expansion to the 0.36 million gallons per day (MGD) facility and lasting through the date of expiration, the permittee is authorized to discharge subject to the following effluent limitations:

The daily average flow of effluent shall not exceed 0.36 MGD, nor shall the average discharge during any two-hour period (2-hour peak) exceed 1000 gallons per minute.

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Min. Self-Monitoring Requirements</u>	
	Daily Avg mg/l (lbs/day)	7-day Avg mg/l	Daily Max mg/l	Single Grab mg/l	Report Daily Avg. & Max. Single Grab Measurement Frequency	Sample Type
Flow, MGD	Report	N/A	Report	N/A	Five/week	Totalizing Meter
Carbonaceous Biochemical Oxygen Demand (5-day)	5 (15)	10	20	30	One/week	Grab
Total Suspended Solids	5 (15)	10	20	30	One/week	Grab
Ammonia Nitrogen	2 (6.0)	5	10	15	One/week	Grab
Total Phosphorus*	0.5(1.50)	1	2	3	One/week	Grab
<i>E. coli</i> , colony-forming units or most probable number per 100 ml	126	N/A	N/A	399	Five/week	Grab

\* The Total Phosphorus Effluent Limitation and Measurement Frequency are only applicable when discharging to the Midland Draw.

2. The permittee shall utilize an Ultraviolet Light (UV) system for disinfection purposes. An equivalent method of disinfection may be substituted only with prior approval of the Executive Director.
3. The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored once per month by grab sample.
4. There shall be no discharge of floating solids or visible foam in other than trace amounts and no discharge of visible oil.
5. Effluent monitoring samples shall be taken at the following location(s): Following the final treatment unit.
6. The effluent shall contain a minimum dissolved oxygen of 4.0 mg/l and shall be monitored once per week by grab sample.

## DEFINITIONS AND STANDARD PERMIT CONDITIONS

As required by Title 30 Texas Administrative Code (TAC) Chapter 305, certain regulations appear as standard conditions in waste discharge permits. 30 TAC § 305.121 - 305.129 (relating to Permit Characteristics and Conditions) as promulgated under the Texas Water Code (TWC) §§ 5.103 and 5.105, and the Texas Health and Safety Code (THSC) §§ 361.017 and 361.024(a), establish the characteristics and standards for waste discharge permits, including sewage sludge, and those sections of 40 Code of Federal Regulations (CFR) Part 122 adopted by reference by the Commission. The following text includes these conditions and incorporates them into this permit. All definitions in TWC § 26.001 and 30 TAC Chapter 305 shall apply to this permit and are incorporated by reference. Some specific definitions of words or phrases used in this permit are as follows:

### 1. Flow Measurements

- a. Annual average flow - the arithmetic average of all daily flow determinations taken within the preceding 12 consecutive calendar months. The annual average flow determination shall consist of daily flow volume determinations made by a totalizing meter, charted on a chart recorder and limited to major domestic wastewater discharge facilities with one million gallons per day or greater permitted flow.
- b. Daily average flow - the arithmetic average of all determinations of the daily flow within a period of one calendar month. The daily average flow determination shall consist of determinations made on at least four separate days. If instantaneous measurements are used to determine the daily flow, the determination shall be the arithmetic average of all instantaneous measurements taken during that month. Daily average flow determination for intermittent discharges shall consist of a minimum of three flow determinations on days of discharge.
- c. Daily maximum flow - the highest total flow for any 24-hour period in a calendar month.
- d. Instantaneous flow - the measured flow during the minimum time required to interpret the flow measuring device.
- e. 2-hour peak flow (domestic wastewater treatment plants) - the maximum flow sustained for a two-hour period during the period of daily discharge. The average of multiple measurements of instantaneous maximum flow within a two-hour period may be used to calculate the 2-hour peak flow.
- f. Maximum 2-hour peak flow (domestic wastewater treatment plants) - the highest 2-hour peak flow for any 24-hour period in a calendar month.

### 2. Concentration Measurements

- a. Daily average concentration - the arithmetic average of all effluent samples, composite or grab as required by this permit, within a period of one calendar month, consisting of at least four separate representative measurements.
  - i. For domestic wastewater treatment plants - When four samples are not available in a calendar month, the arithmetic average (weighted by flow) of all values in the previous four consecutive month period consisting of at least four measurements shall be utilized as the daily average concentration.

- ii. For all other wastewater treatment plants - When four samples are not available in a calendar month, the arithmetic average (weighted by flow) of all values taken during the month shall be utilized as the daily average concentration.
- b. 7-day average concentration - the arithmetic average of all effluent samples, composite or grab as required by this permit, within a period of one calendar week, Sunday through Saturday.
- c. Daily maximum concentration - the maximum concentration measured on a single day, by the sample type specified in the permit, within a period of one calendar month.
- d. Daily discharge - the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in terms of mass, the daily discharge is calculated as the total mass of the pollutant discharged over the sampling day. For pollutants with limitations expressed in other units of measurement, the daily discharge is calculated as the average measurement of the pollutant over the sampling day.

The daily discharge determination of concentration made using a composite sample shall be the concentration of the composite sample. When grab samples are used, the daily discharge determination of concentration shall be the arithmetic average (weighted by flow value) of all samples collected during that day.

- e. Bacteria concentration (*E. coli* or Enterococci) - Colony Forming Units (CFU) or Most Probable Number (MPN) of bacteria per 100 milliliters effluent. The daily average bacteria concentration is a geometric mean of the values for the effluent samples collected in a calendar month. The geometric mean shall be determined by calculating the  $n$ th root of the product of all measurements made in a calendar month, where  $n$  equals the number of measurements made; or, computed as the antilogarithm of the arithmetic mean of the logarithms of all measurements made in a calendar month. For any measurement of bacteria equaling zero, a substituted value of one shall be made for input into either computation method. If specified, the 7-day average for bacteria is the geometric mean of the values for all effluent samples collected during a calendar week.
  - f. Daily average loading (lbs/day) - the arithmetic average of all daily discharge loading calculations during a period of one calendar month. These calculations must be made for each day of the month that a parameter is analyzed. The daily discharge, in terms of mass (lbs/day), is calculated as (Flow, MGD x Concentration, mg/l x 8.34).
  - g. Daily maximum loading (lbs/day) - the highest daily discharge, in terms of mass (lbs/day), within a period of one calendar month.
3. Sample Type
- a. Composite sample - For domestic wastewater, a composite sample is a sample made up of a minimum of three effluent portions collected in a continuous 24-hour period or during the period of daily discharge if less than 24 hours, and combined in volumes proportional to flow, and collected at the intervals required by 30 TAC § 319.9 (a). For industrial wastewater, a composite sample is a sample made up of a minimum of three effluent portions collected in a continuous 24-hour period or during the period of daily discharge if less than 24 hours, and combined in volumes proportional to flow, and collected at the intervals required by 30 TAC § 319.9 (b).

- b. Grab sample - an individual sample collected in less than 15 minutes.
4. Treatment Facility (facility) - wastewater facilities used in the conveyance, storage, treatment, recycling, reclamation and/or disposal of domestic sewage, industrial wastes, agricultural wastes, recreational wastes, or other wastes including sludge handling or disposal facilities under the jurisdiction of the Commission.
5. The term "sewage sludge" is defined as solid, semi-solid, or liquid residue generated during the treatment of domestic sewage in 30 TAC Chapter 312. This includes the solids that have not been classified as hazardous waste separated from wastewater by unit processes.
6. The term "biosolids" is defined as sewage sludge that has been tested or processed to meet Class A, Class AB, or Class B pathogen standards in 30 TAC Chapter 312 for beneficial use.
7. Bypass - the intentional diversion of a waste stream from any portion of a treatment facility.

## **MONITORING AND REPORTING REQUIREMENTS**

### **1. Self-Reporting**

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

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

### **2. Test Procedures**

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

### **3. Records of Results**

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

- b. Except for records of monitoring information required by this permit related to the permittee's sewage sludge or biosolids use and disposal activities, which shall be retained for a period of at least five years (or longer as required by 40 CFR Part 503), monitoring and reporting records, including strip charts and records of calibration and maintenance, copies of all records required by this permit, records of all data used to complete the application for this permit, and the certification required by 40 CFR § 264.73(b)(9) shall be retained at the facility site, or shall be readily available for review by a TCEQ representative for a period of three years from the date of the record or sample, measurement, report, application or certification. This period shall be extended at the request of the Executive Director.
- c. Records of monitoring activities shall include the following:
  - i. date, time and place of sample or measurement;
  - ii. identity of individual who collected the sample or made the measurement.
  - iii. date and time of analysis;
  - iv. identity of the individual and laboratory who performed the analysis;
  - v. the technique or method of analysis; and
  - vi. the results of the analysis or measurement and quality assurance/quality control records.

The period during which records are required to be kept shall be automatically extended to the date of the final disposition of any administrative or judicial enforcement action that may be instituted against the permittee.

#### 4. Additional Monitoring by Permittee

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit using approved analytical methods as specified above, all results of such monitoring shall be included in the calculation and reporting of the values submitted on the approved self-report form. Increased frequency of sampling shall be indicated on the self-report form.

#### 5. Calibration of Instruments

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

#### 6. Compliance Schedule Reports

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

Division (MC 224).

## 7. Noncompliance Notification

- a. In accordance with 30 TAC § 305.125(9) any noncompliance which may endanger human health or safety, or the environment shall be reported by the permittee to the TCEQ. Except as allowed by 30 TAC § 305.132, report of such information shall be provided orally or by facsimile transmission (FAX) to the Regional Office within 24 hours of becoming aware of the noncompliance. A written submission of such information shall also be provided by the permittee to the Regional Office and the Enforcement Division (MC 224) within five working days of becoming aware of the noncompliance. For Publicly Owned Treatment Works (POTWs), effective December 21, 2025, the permittee must submit the written report for unauthorized discharges and unanticipated bypasses that exceed any effluent limit in the permit using the online electronic reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver. The written submission shall contain a description of the noncompliance and its cause; the potential danger to human health or safety, or the environment; the period of noncompliance, including exact dates and times; if the noncompliance has not been corrected, the time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance, and to mitigate its adverse effects.
  - b. The following violations shall be reported under Monitoring and Reporting Requirement 7.a.:
    - i. Unauthorized discharges as defined in Permit Condition 2(g).
    - ii. Any unanticipated bypass that exceeds any effluent limitation in the permit.
    - iii. Violation of a permitted maximum daily discharge limitation for pollutants listed specifically in the Other Requirements section of an Industrial TPDES permit.
  - c. In addition to the above, any effluent violation which deviates from the permitted effluent limitation by more than 40% shall be reported by the permittee in writing to the Regional Office and the Enforcement Division (MC 224) within 5 working days of becoming aware of the noncompliance.
  - d. Any noncompliance other than that specified in this section, or any required information not submitted or submitted incorrectly, shall be reported to the Enforcement Division (MC 224) as promptly as possible. For effluent limitation violations, noncompliances shall be reported on the approved self-report form.
8. In accordance with the procedures described in 30 TAC §§ 35.301 - 35.303 (relating to Water Quality Emergency and Temporary Orders) if the permittee knows in advance of the need for a bypass, it shall submit prior notice by applying for such authorization.
9. Changes in Discharges of Toxic Substances

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

- a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant listed at 40 CFR Part 122, Appendix D, Tables II and III (excluding Total Phenols) which is not limited in the permit, if that discharge will exceed the highest of the following “notification levels”:
  - i. One hundred micrograms per liter (100 µg/L);
  - ii. Two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
  - iii. Five (5) times the maximum concentration value reported for that pollutant in the permit application; or
  - iv. The level established by the TCEQ.
- b. That any activity has occurred or will occur which would result in any discharge, on a nonroutine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following “notification levels”:
  - i. Five hundred micrograms per liter (500 µg/L);
  - ii. One milligram per liter (1 mg/L) for antimony;
  - iii. Ten (10) times the maximum concentration value reported for that pollutant in the permit application; or
  - iv. The level established by the TCEQ.

#### 10. Signatories to Reports

All reports and other information requested by the Executive Director shall be signed by the person and in the manner required by 30 TAC § 305.128 (relating to Signatories to Reports).

#### 11. All POTWs must provide adequate notice to the Executive Director of the following:

- a. Any new introduction of pollutants into the POTW from an indirect discharger which would be subject to CWA § 301 or § 306 if it were directly discharging those pollutants;
- b. Any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of issuance of the permit; and
- c. For the purpose of this paragraph, adequate notice shall include information on:
  - i. The quality and quantity of effluent introduced into the POTW; and
  - ii. Any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW.

**PERMIT CONDITIONS**

## 1. General

- a. When the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in an application or in any report to the Executive Director, it shall promptly submit such facts or information.
- b. This permit is granted on the basis of the information supplied and representations made by the permittee during action on an application, and relying upon the accuracy and completeness of that information and those representations. After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked, in whole or in part, in accordance with 30 TAC Chapter 305, Subchapter D, during its term for good cause including, but not limited to, the following:
  - i. Violation of any terms or conditions of this permit;
  - ii. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
  - iii. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.
- c. The permittee shall furnish to the Executive Director, upon request and within a reasonable time, any information to determine whether cause exists for amending, revoking, suspending or terminating the permit. The permittee shall also furnish to the Executive Director, upon request, copies of records required to be kept by the permit.

## 2. Compliance

- a. Acceptance of the permit by the person to whom it is issued constitutes acknowledgment and agreement that such person will comply with all the terms and conditions embodied in the permit, and the rules and other orders of the Commission.
- b. The permittee has a duty to comply with all conditions of the permit. Failure to comply with any permit condition constitutes a violation of the permit and the Texas Water Code or the Texas Health and Safety Code, and is grounds for enforcement action, for permit amendment, revocation, or suspension, or for denial of a permit renewal application or an application for a permit for another facility.
- c. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit.
- d. The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal or other permit violation that has a reasonable likelihood of adversely affecting human health or the environment.
- e. Authorization from the Commission is required before beginning any change in the permitted facility or activity that may result in noncompliance with any permit requirements.
- f. A permit may be amended, suspended and reissued, or revoked for cause in accordance

with 30 TAC §§ 305.62 and 305.66 and TWC§ 7.302. The filing of a request by the permittee for a permit amendment, suspension and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

- g. There shall be no unauthorized discharge of wastewater or any other waste. For the purpose of this permit, an unauthorized discharge is considered to be any discharge of wastewater into or adjacent to water in the state at any location not permitted as an outfall or otherwise defined in the Other Requirements section of this permit.
- h. In accordance with 30 TAC § 305.535(a), the permittee may allow any bypass to occur from a TPDES permitted facility which does not cause permitted effluent limitations to be exceeded or an unauthorized discharge to occur, but only if the bypass is also for essential maintenance to assure efficient operation.
- i. The permittee is subject to administrative, civil, and criminal penalties, as applicable, under TWC §§ 7.051 - 7.075 (relating to Administrative Penalties), 7.101 - 7.111 (relating to Civil Penalties), and 7.141 - 7.202 (relating to Criminal Offenses and Penalties) for violations including, but not limited to, negligently or knowingly violating the federal CWA §§ 301, 302, 306, 307, 308, 318, or 405, or any condition or limitation implementing any sections in a permit issued under the CWA § 402, or any requirement imposed in a pretreatment program approved under the CWA §§ 402 (a)(3) or 402 (b)(8).

### 3. Inspections and Entry

- a. Inspection and entry shall be allowed as prescribed in the TWC Chapters 26, 27, and 28, and THSC § 361.
- b. The members of the Commission and employees and agents of the Commission are entitled to enter any public or private property at any reasonable time for the purpose of inspecting and investigating conditions relating to the quality of water in the state or the compliance with any rule, regulation, permit or other order of the Commission. Members, employees, or agents of the Commission and Commission contractors are entitled to enter public or private property at any reasonable time to investigate or monitor or, if the responsible party is not responsive or there is an immediate danger to public health or the environment, to remove or remediate a condition related to the quality of water in the state. Members, employees, Commission contractors, or agents acting under this authority who enter private property shall observe the establishment's rules and regulations concerning safety, internal security, and fire protection, and if the property has management in residence, shall notify management or the person then in charge of his presence and shall exhibit proper credentials. If any member, employee, Commission contractor, or agent is refused the right to enter in or on public or private property under this authority, the Executive Director may invoke the remedies authorized in TWC § 7.002. The statement above, that Commission entry shall occur in accordance with an establishment's rules and regulations concerning safety, internal security, and fire protection, is not grounds for denial or restriction of entry to any part of the facility, but merely describes the Commission's duty to observe appropriate rules and regulations during an inspection.

#### 4. Permit Amendment and/or Renewal

- a. The permittee shall give notice to the Executive Director as soon as possible of any planned physical alterations or additions to the permitted facility if such alterations or additions would require a permit amendment or result in a violation of permit requirements. Notice shall also be required under this paragraph when:
  - i. The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in accordance with 30 TAC § 305.534 (relating to New Sources and New Dischargers); or
  - ii. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants that are subject neither to effluent limitations in the permit, nor to notification requirements in Monitoring and Reporting Requirements No. 9; or
  - iii. The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.
- b. Prior to any facility modifications, additions, or expansions that will increase the plant capacity beyond the permitted flow, the permittee must apply for and obtain proper authorization from the Commission before commencing construction.
- c. The permittee must apply for an amendment or renewal at least 180 days prior to expiration of the existing permit in order to continue a permitted activity after the expiration date of the permit. If an application is submitted prior to the expiration date of the permit, the existing permit shall remain in effect until the application is approved, denied, or returned. If the application is returned or denied, authorization to continue such activity shall terminate upon the effective date of the action. If an application is not submitted prior to the expiration date of the permit, the permit shall expire and authorization to continue such activity shall terminate.
- d. Prior to accepting or generating wastes which are not described in the permit application or which would result in a significant change in the quantity or quality of the existing discharge, the permittee must report the proposed changes to the Commission. The permittee must apply for a permit amendment reflecting any necessary changes in permit conditions, including effluent limitations for pollutants not identified and limited by this permit.
- e. In accordance with the TWC § 26.029(b), after a public hearing, notice of which shall be given to the permittee, the Commission may require the permittee, from time to time, for good cause, in accordance with applicable laws, to conform to new or additional conditions.
- f. If any toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is promulgated under CWA § 307(a) for a toxic pollutant which is present in the discharge and that standard or prohibition is more stringent than any limitation on the pollutant in this permit, this permit shall be modified or revoked and reissued to conform to the toxic effluent standard or

prohibition. The permittee shall comply with effluent standards or prohibitions established under CWA § 307(a) for toxic pollutants within the time provided in the regulations that established those standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.

5. Permit Transfer

- a. Prior to any transfer of this permit, Commission approval must be obtained. The Commission shall be notified in writing of any change in control or ownership of facilities authorized by this permit. Such notification should be sent to the Applications Review and Processing Team (MC 148) of the Water Quality Division.
- b. A permit may be transferred only according to the provisions of 30 TAC § 305.64 (relating to Transfer of Permits) and 30 TAC § 50.133 (relating to Executive Director Action on Application or WQMP update).

6. Relationship to Hazardous Waste Activities

This permit does not authorize any activity of hazardous waste storage, processing, or disposal that requires a permit or other authorization pursuant to the Texas Health and Safety Code.

7. Relationship to Water Rights

Disposal of treated effluent by any means other than discharge directly to water in the state must be specifically authorized in this permit and may require a permit pursuant to TWC Chapter 11.

8. Property Rights

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

9. Permit Enforceability

The conditions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstances, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

10. Relationship to Permit Application

The application pursuant to which the permit has been issued is incorporated herein; provided, however, that in the event of a conflict between the provisions of this permit and the application, the provisions of the permit shall control.

11. Notice of Bankruptcy

- a. Each permittee shall notify the Executive Director, in writing, immediately following the filing of a voluntary or involuntary petition for bankruptcy under any chapter of Title 11 (Bankruptcy) of the United States Code (11 USC) by or against:
  - i. the permittee;
  - ii. an entity (as that term is defined in 11 USC, § 101(14)) controlling the permittee or listing the permit or permittee as property of the estate; or

- iii. an affiliate (as that term is defined in 11 USC, § 101(2)) of the permittee.
- b. This notification must indicate:
  - i. the name of the permittee;
  - ii. the permit number(s);
  - iii. the bankruptcy court in which the petition for bankruptcy was filed; and
  - iv. the date of filing of the petition.

### **OPERATIONAL REQUIREMENTS**

1. The permittee shall at all times ensure that the facility and all of its systems of collection, treatment, and disposal are properly operated and maintained. This includes, but is not limited to, the regular, periodic examination of wastewater solids within the treatment plant by the operator in order to maintain an appropriate quantity and quality of solids inventory as described in the various operator training manuals and according to accepted industry standards for process control. Process control, maintenance, and operations records shall be retained at the facility site, or shall be readily available for review by a TCEQ representative, for a period of three years.
2. Upon request by the Executive Director, the permittee shall take appropriate samples and provide proper analysis in order to demonstrate compliance with Commission rules. Unless otherwise specified in this permit or otherwise ordered by the Commission, the permittee shall comply with all applicable provisions of 30 TAC Chapter 312 concerning sewage sludge or biosolids use and disposal and 30 TAC §§ 319.21 - 319.29 concerning the discharge of certain hazardous metals.
3. Domestic wastewater treatment facilities shall comply with the following provisions:
  - a. The permittee shall notify the Municipal Permits Team, Wastewater Permitting Section (MC 148) of the Water Quality Division, in writing, of any facility expansion at least 90 days prior to conducting such activity.
  - b. The permittee shall submit a closure plan for review and approval to the Municipal Permits Team, Wastewater Permitting Section (MC 148) of the Water Quality Division, for any closure activity at least 90 days prior to conducting such activity. Closure is the act of permanently taking a waste management unit or treatment facility out of service and includes the permanent removal from service of any pit, tank, pond, lagoon, surface impoundment and/or other treatment unit regulated by this permit.
4. The permittee is responsible for installing prior to plant start-up, and subsequently maintaining, adequate safeguards to prevent the discharge of untreated or inadequately treated wastes during electrical power failures by means of alternate power sources, standby generators, and/or retention of inadequately treated wastewater.
5. Unless otherwise specified, the permittee shall provide a readily accessible sampling point and, where applicable, an effluent flow measuring device or other acceptable means by which effluent flow may be determined.

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

7. Documentation

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

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

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

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

secured.

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

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

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

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

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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 supplies the sewage sludge to another person for land application use or to the owner or lease holder of the land, the permit holder shall provide necessary information to the parties who receive the sludge to assure compliance with these regulations.
3. The land application of processed or unprocessed chemical toilet waste, grease trap waste, grit trap waste, milk solids, or similar non-hazardous municipal or industrial solid wastes, or any of the wastes listed in this provision combined with biosolids, WTP residuals or domestic septage is prohibited unless the grease trap waste is added at a fats, oil and grease (FOG) receiving facility as part of an anaerobic digestion process.

#### B. Testing Requirements

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

The report shall contain test results, certification that unauthorized waste management has stopped, and a summary of alternative disposal plans that comply with RCRA standards for the management of hazardous waste. The report shall be addressed to: Director, Permitting and Registration Support Division (MC 129), Texas Commission on Environmental Quality, P.O. Box 13087, Austin, Texas 78711-3087. In addition, the permittee shall prepare an annual report on the results of all sludge toxicity testing. The permittee must submit this annual report by September 30th of each year using the online electronic reporting system available through TCEQ’s website. If the permittee requests and obtains an electronic reporting waiver, the annual report can be submitted in hard copy to the TCEQ Regional Office (MC Region 7) 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)(3)(A) for specific information;

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

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

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

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

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

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

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

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

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

Alternative 1

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

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

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

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

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

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

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

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

for 30 days after application of biosolids.

- ix. Land application of biosolids shall be in accordance with the buffer zone requirements found in 30 TAC § 312.44.
4. Vector Attraction Reduction Requirements
- All bulk sewage sludge that is applied to agricultural land, forest, a public contact site, or a reclamation site shall be treated by one of the following Alternatives 1 through 10 for vector attraction reduction.
- Alternative 1 - The mass of volatile solids in the sewage sludge shall be reduced by a minimum of 38%.
- Alternative 2 - If Alternative 1 cannot be met for an anaerobically digested sludge, demonstration can be made by digesting a portion of the previously digested sludge anaerobically in the laboratory in a bench-scale unit for 40 additional days at a temperature between 30° and 37° Celsius. Volatile solids must be reduced by less than 17% to demonstrate compliance.
- Alternative 3 - If Alternative 1 cannot be met for an aerobically digested sludge, demonstration can be made by digesting a portion of the previously digested sludge with percent solids of two percent or less aerobically in the laboratory in a bench-scale unit for 30 additional days at 20° Celsius. Volatile solids must be reduced by less than 15% to demonstrate compliance.
- Alternative 4 - The specific oxygen uptake rate (SOUR) for sewage sludge treated in an aerobic process shall be equal to or less than 1.5 milligrams of oxygen per hour per gram of total solids (dry weight basis) at a temperature of 20° Celsius.
- Alternative 5 - Sewage sludge shall be treated in an aerobic process for 14 days or longer. During that time, the temperature of the sewage sludge shall be higher than 40° Celsius and the average temperature of the sewage sludge shall be higher than 45° Celsius.
- Alternative 6 - The pH of sewage sludge shall be raised to 12 or higher by alkali addition and, without the addition of more alkali shall remain at 12 or higher for two hours and then remain at a pH of 11.5 or higher for an additional 22 hours at the time the sewage sludge is prepared for sale or given away in a bag or other container.
- Alternative 7 - The percent solids of sewage sludge that does not contain unstabilized solids generated in a primary wastewater treatment process shall be equal to or greater than 75% based on the moisture content and total solids prior to mixing with other materials. Unstabilized solids are defined as organic materials in sewage sludge that have not been treated in either an aerobic or anaerobic treatment process.
- Alternative 8 - The percent solids of sewage sludge that contains unstabilized solids

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

- Alternative 9 -
- i. Biosolids shall be injected below the surface of the land.
  - ii. No significant amount of the biosolids shall be present on the land surface within one hour after biosolids are injected.
  - iii. When sewage sludge that is injected below the surface of the land is Class A or Class AB with respect to pathogens, the biosolids shall be injected below the land surface within eight hours after being discharged from the pathogen treatment process.

- Alternative 10-
- i. Biosolids applied to the land surface or placed on a surface disposal site shall be incorporated into the soil within six hours after application to or placement on the land.
  - ii. When biosolids that are incorporated into the soil is Class A or Class AB with respect to pathogens, the biosolids shall be applied to or placed on the land within eight hours after being discharged from the pathogen treatment process.

**C. Monitoring Requirements**

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

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

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

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

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

Identify each of the analytic methods used by the facility to analyze enteric viruses, fecal

coliforms, helminth ova, *Salmonella* sp., and other regulated parameters.

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

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

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

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

**A. Pollutant Limits**

Table 2

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

Table 3

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

\*Dry weight basis

**B. Pathogen Control**

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

### **C. Management Practices**

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

### **D. Notification Requirements**

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

### **E. Record Keeping Requirements**

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

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

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

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

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

- e. The cumulative amount of each pollutant in pounds/acre listed in Table 2 applied to each site.
- f. The total amount of biosolids applied to each site in dry tons.

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

## **F. Reporting Requirements**

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

14. Identify each of the analytic methods used by the facility to analyze enteric viruses, fecal coliforms, helminth ova, *Salmonella* sp., and other regulated parameters.
15. Vector attraction reduction alternative used as listed in Section I.B.4.
16. Amount of sludge or biosolids transported in dry tons/year.
17. The certification statement listed in either 30 TAC § 312.47(a)(4)(A)(ii) or 30 TAC § 312.47(a)(5)(A)(ii) as applicable to the permittee's sludge or biosolids treatment activities, shall be attached to the annual reporting form.
18. When the amount of any pollutant applied to the land exceeds 90% of the cumulative pollutant loading rate for that pollutant, as described in Table 2, the permittee shall report the following information as an attachment to the annual reporting form.
  - a. The location, by street address, and specific latitude and longitude.
  - b. The number of acres in each site on which bulk biosolids are applied.
  - c. The date and time bulk biosolids are applied to each site.
  - d. The cumulative amount of each pollutant (i.e., pounds/acre) listed in Table 2 in the bulk biosolids applied to each site.
  - e. The amount of biosolids (i.e., dry tons) applied to each site.

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

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

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

Following failure of any TCLP test, the management or disposal of sewage sludge or biosolids at a facility other than an authorized hazardous waste processing, storage, or disposal facility shall be prohibited until such time as the permittee can demonstrate the sewage sludge or biosolids no longer exhibits the hazardous waste toxicity characteristics (as demonstrated by the results of the TCLP tests). A written report shall be provided to both the TCEQ Registration and Reporting Section (MC 129) of the Permitting and Registration Support Division and the Regional Director (MC Region 7) 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 7) and the Enforcement Division (MC 224) by September 30 of each year.

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

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

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

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

#### G. Reporting Requirements

The permittee shall 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 7) and 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 dewatering), 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 7) and 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.

**OTHER REQUIREMENTS**

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

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

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

permit. A copy of the summary transmittal letter shall be available at the plant site for inspection by authorized representatives of the TCEQ.

Plans and specifications have been approved for the 0.085 MGD wastewater treatment facility, in accordance with 30 TAC § 217, Design Criteria for Domestic Wastewater Systems. A summary transmittal approval letter was issued on April 9, 2025 (Log No. 0225/147). A copy of the summary transmittal letter shall be available at the plant site for inspection by authorized representatives of the TCEQ.

7. The permittee shall notify the TCEQ Regional Office (MC Region 7), and the Applications Review and Processing Team (MC 148) of the Water Quality Division, in writing at least forty-five days prior to the completion of the new facilities on Notification of Completion Form 20007.

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

DESCRIPTION OF APPLICATION

Applicant: Park Sewer Company  
Texas Pollutant Discharge Elimination System (TPDES) Permit  
No. WQ0015661001, EPA ID No. TX0138363

Regulated Activity: Domestic Wastewater Permit

Type of Application: Renewal

Request: Renewal with changes

Authority: Federal Clean Water Act (CWA) § 402; Texas Water Code (TWC)  
§ 26.027; 30 Texas Administrative Code (TAC) Chapters 30,  
305, 307, 309, 312, and 319; Commission policies; and United  
States Environmental Protection Agency (EPA) guidelines.

EXECUTIVE DIRECTOR RECOMMENDATION

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

REASON FOR PROJECT PROPOSED

The applicant has applied to the Texas Commission on Environmental Quality (TCEQ) for a renewal of the existing permit that authorizes the discharge of treated domestic wastewater at a daily average flow not to exceed 0.01 million gallons per day (MGD) in the Interim I phase, 0.14 MGD in the Interim II phase, 0.25 MGD in the Interim III phase, and 0.36 MGD in the Final phase. The existing wastewater treatment facility serves the Vander Ranch Residential Development/community located around the treatment facility.

PROJECT DESCRIPTION AND LOCATION

The Park Sewer Wastewater Treatment Facility is an activated sludge process plant using a membrane bioreactor (MBR). Treatment units in the Interim I phase includes a fine screen, flow equalization basin, Titan membrane bioreactor (sludge holding zone and aerobic MBR zone), and ultraviolet (UV) light disinfection system. During the Interim II phase, Interim III phase, and Final phase, an additional treatment train similar to the Interim I phase treatment train will be added to the facility. The facility is in operation.

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

The plant site is located approximately 1.0-mile northeast of the intersection of East County Road 120 and South County Road 1110, in Midland County, Texas 79706.

Outfall Location:

<b>Outfall Number</b>	<b>Latitude</b>	<b>Longitude</b>
001	31.985665 N	101.945023 W

The treated effluent is discharged to Midland Draw, thence to Johnson Draw, thence to Mustang Draw, thence to Beals Creek, thence to Colorado River Below Lake J.B. Thomas in Segment No. 1412 of the Colorado River Basin. The unclassified receiving water use is minimal aquatic life use for Midland Draw. The designated uses for Segment No. 1412 are primary contact recreation and high aquatic life use. The effluent limitations in the draft permit will maintain and protect the existing instream uses. All determinations are preliminary and subject to additional review and/or revisions.

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

In a case such as this, end-of-pipe compliance with pH limits between 6.0 and 9.0 standard units reasonably assures instream compliance with the TSWQS for pH when the discharge authorized is from a minor facility. This technology-based approach reasonably assures instream compliance with TSWQS criteria due to the relatively smaller discharge volumes authorized by these permits. This conservative assumption is based on TCEQ sampling conducted throughout the state which indicates that instream buffering quickly restores pH levels to ambient conditions. Similarly, this approach has been historically applied within EPA issued NPDES general permits where technology-based pH limits were established to be protective of water quality criteria.

The effluent limits recommended above have been reviewed for consistency with the State of Texas WQMP. The recommended limits are consistent with the approved WQMP.

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

Segment No. 1412 is currently listed on the State's inventory of impaired and threatened waters (2022 CWA Section 303(d) list). The listing is specifically for elevated bacteria levels from the confluence of Beals Creek upstream to the dam below Barber Reservoir pump station (Assessment Unit [AU] 1412\_02). Beals Creek is also listed on the 2022 303(d) list for elevated bacteria levels from the confluence of Guthrie Draw upstream to the confluence of Mustang Draw and Sulphur Springs Draw (AU 1412B\_03). This facility is designed to provide adequate

disinfection and, when operated properly, should not add to the bacterial impairment of the segment. In addition, in order to ensure that the proposed discharge meets the stream bacterial standard, an effluent limitation of 126 colony-forming units (CFU) or most probable number (MPN) of *Escherichia coli* (*E. coli*) per 100 ml has been added to the draft permit.

One finalized Total Maximum Daily Load (TMDL) Project is applicable to Segment 1412: *Two Total Maximum Daily Loads for Total Dissolved Solids and Sulfate in E.V. Spence Reservoir for Segment 1411 (Project No. 4)*. However, this discharge is located outside the scope of the TMDL project. On June 14, 2002, the report Two Total Maximum Daily Loads for Total Dissolved Solids and Sulfate in E.V. Spence Reservoir was adopted with revisions by the TNRCC, predecessor to the TCEQ. The EPA approved the TMDL on May 9, 2003. Wastewater treatment plants were not determined to be significant contributors of TDS or sulfate to the reservoir. The need for effluent limits or monitoring of these constituents is assessed using routine procedures. Effluent data provided in the application for sulfate, TDS, and chloride was screened in accordance with the Procedures to Implement the Texas Surface Water Quality Standards, January 2003. The draft permit (does/does not) include effluent limits or monitoring requirements for sulfate, TDS, or chloride based on this screening.

#### SUMMARY OF EFFLUENT DATA

There has been no discharge from the treatment plant within the last two years, therefore no effluent data has been provided.

#### DRAFT PERMIT CONDITIONS

The draft permit authorizes a discharge of treated domestic wastewater at an interim I volume not to exceed a daily average flow of 0.085 MGD, interim II volume not to exceed a daily average flow of 0.145 MGD, interim III volume not to exceed a daily average flow of 0.18 MGD, interim IV volume not to exceed a daily average flow of 0.24 MGD and a final volume not to exceed a daily average flow of 0.36 MGD.

The effluent limitations in the Interim I phase of the draft permit, based on a 30-day average, are 5 mg/l five-day carbonaceous biochemical oxygen demand (CBOD<sub>5</sub>), 5 mg/l total suspended solids (TSS), 2 mg/L ammonia nitrogen (NH<sub>3</sub>-N), 21.26 lbs/month Total Phosphorus (TP)\*, 126 CFU or MPN of *E. coli* per 100 ml, and 4.0 mg/l minimum dissolved oxygen (DO).

The effluent limitations in the Interim II phase of the draft permit, based on a 30-day average, are 5 mg/l CBOD<sub>5</sub>, 5 mg/l TSS, 2 mg/L NH<sub>3</sub>-N, 36.27 lbs/month TP\*, 126 CFU or MPN of *E. coli* per 100 ml, and 4.0 mg/l minimum DO.

The effluent limitations in the Interim III phase of the draft permit, based on a 30-day average, are 5 mg/l CBOD<sub>5</sub>, 5 mg/l TSS, 2 mg/L NH<sub>3</sub>-N, 45.0 lbs/month TP\*, 126 CFU or MPN of *E. coli* per 100 ml, and 4.0 mg/l minimum DO.

The effluent limitations in the Interim IV phase of the draft permit, based on a 30-day average, are 5 mg/l CBOD<sub>5</sub>, 5 mg/l TSS, 2 mg/L NH<sub>3</sub>-N, 0.75 mg/l TP\*, 126 CFU or MPN of *E. coli* per 100 ml, and 4.0 mg/l minimum DO.

Park Sewer Company

TPDES Permit No. WQ0015661001

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

The effluent limitations in the Final phase of the draft permit, based on a 30-day average, are 5 mg/l CBOD<sub>5</sub>, 5 mg/l TSS, 2 mg/l NH<sub>3</sub>-N, 0.5 mg/l TP\*, 126 CFU or MPN of *E. coli* per 100 ml, and 4.0 mg/l minimum DO.

In all phases, the permittee shall utilize a UV light system for disinfection purposes and shall maintain pH in the range of 6.0 to 9.0 standard units.

\*The Total Phosphorus Effluent Limitations and Measurement Frequency are only applicable when discharging to the Midland Draw.

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, or wastewater treatment facility.

#### SUMMARY OF CHANGES FROM APPLICATION

None.

#### SUMMARY OF CHANGES FROM EXISTING PERMIT

Effluent limitations and monitoring requirements in the Final phase of the draft permit remain the same as the existing permit requirements.

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

As requested by the applicant, the daily average flow for Interim I Phase in the existing permit has been removed in the draft permit.

The daily average flow for Interim II has been revised from 0.14 MGD to 0.085 MGD and renamed as Interim I Phase in the draft permit.

The flow for Interim III has been revised from 0.25 MGD to 0.145 MGD and renamed as Interim II Phase in the draft permit.

Interim III Phase with a daily average flow of 0.18 MGD has been added in the draft permit.

Interim IV Phase with a daily average flow of 0.24 MGD has also been added in the draft permit.

The Final Phase with a daily average flow of 0.36 MGD remains unchanged from the existing permit.

The effluent limitations in the Interim II and III phases have been changed due to the change in flow.

Park Sewer Company

TPDES Permit No. WQ0015661001

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

The existing permit authorizes a daily average flow of 0.01 MGD in the Interim I phase, 0.14 MGD in Interim II phase, 0.25 MGD in Interim III phase and 0.36 MGD in the Final phase. The permittee is currently operating in the Interim I phase.

The draft permit authorizes a daily average flow of 0.085 MGD in Interim I phase, 0.145 MGD in Interim II phase, 0.18 MGD in Interim III phase, 0.24 MGD in Interim IV phase and 0.36 MGD in final phase.

The plans and specifications for the Interim I phase (0.085 MGD) have been reviewed and approved by the TCEQ on April 9, 2025 (Log No. 0225/147).

Notification of Completion Form 20007 was submitted for the Interim I phase (0.01 MGD) on March 24, 2021.

Other Requirement No. 7 of the existing permit has been updated in the draft permit.

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 August 7, 2024, and additional information received on August 27, 2024, May 5, 2025 and May 8, 2025.
2. TPDES Permit No. WQ0015661001 issued on June 18, 2020.
3. The effluent limitations and conditions in the draft permit comply with EPA-approved portions of the 2018 Texas Surface Water Quality Standards (TSWQS), 30 TAC §§ 307.1 - 307.10, effective March 1, 2018; 2014 TSWQS, effective March 6, 2014; 2010 TSWQS, effective July 22, 2010; and 2000 TSWQS, effective July 26, 2000.
4. The effluent limitations in the draft permit meet the requirements for secondary treatment and the requirements for disinfection according to 30 TAC Chapter 309, Subchapter A: Effluent Limitations.
5. Interoffice Memoranda from the Water Quality Assessment Section of the TCEQ Water Quality Division.
6. Consistency with the Coastal Management Plan: The facility is not located in the Coastal Management Program boundary.
7. *Procedures to Implement the Texas Surface Water Quality Standards (IP)*, Texas Commission on Environmental Quality, June 2010, as approved by EPA, and the IP, January 2003, for portions of the 2010 IP not approved by EPA.
8. Texas 2024 CWA § 303(d) List, Texas Commission on Environmental Quality, June 26, 2024; approved by the EPA on November 13, 2024.

9. Texas Natural Resource Conservation Commission, Guidance Document for Establishing Monitoring Frequencies for Domestic and Industrial Wastewater Discharge Permits, Document No. 98-001.000-OWR-WQ, May 1998.
10. One finalized Total Maximum Daily Load (TMDL) Project is applicable to Segment 1412: *Two Total Maximum Daily Loads for Total Dissolved Solids and Sulfate in E.V. Spence Reservoir for Segment 1411* (Project No. 4). However, this discharge is located outside the scope of the TMDL project.

#### PROCEDURES FOR FINAL DECISION

When an application is declared administratively complete, the Chief Clerk sends a letter to the applicant advising the applicant to publish the Notice of Receipt of Application and Intent to Obtain Permit in the newspaper. In addition, the Chief Clerk instructs the applicant to place a copy of the application in a public place for review and copying in the county where the facility is or will be located. This application will be in a public place throughout the comment period. The Chief Clerk also mails this notice to any interested persons and, if required, to landowners identified in the permit application. This notice informs the public about the application, and provides that an interested person may file comments on the application or request a contested case hearing or a public meeting.

Once a draft permit is completed, it is sent, along with the Executive Director's preliminary decision, as contained in the technical summary or fact sheet, to the Chief Clerk. At that time, the Notice of Application and Preliminary Decision will be mailed to the same people and published in the same newspaper as the prior notice. This notice sets a deadline for making public comments. The applicant must place a copy of the Executive Director's preliminary decision and draft permit in the public place with the application.

Any interested person may request a public meeting on the application until the deadline for filing public comments. A public meeting is intended for the taking of public comment, and is not a contested case proceeding.

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

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

Park Sewer Company

TPDES Permit No. WQ0015661001

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

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 Sumitra Pokharel at (512) 239-4722.

*Sumitra Pokharel*

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Sumitra Pokharel  
Municipal Permits Team  
Wastewater Permitting Section (MC 148)

May 12, 2025

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Date

**SECTION 1.0:  
DOMESTIC WASTEWATER  
ADMINISTRATIVE REPORT,  
SUPPLEMENTAL PERMIT  
INFORMATION FORM  
TCEQ-10053**

RECEIVED  
AUG 07 2024  
Water Quality Applications Team



# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

## DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

**Complete and submit this checklist with the application.**

APPLICANT NAME: Park Sewer Company, CN: 605480086

PERMIT NUMBER (If new, leave blank): WQ00 15661001

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

	Y	N		Y	N
Administrative Report 1.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Original USGS Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Administrative Report 1.1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Affected Landowners Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SPIF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Landowner Disk or Labels	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Core Data Form	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Buffer Zone Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Public Involvement Plan Form	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Flow Diagram	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Technical Report 1.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Site Drawing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Technical Report 1.1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Original Photographs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Worksheet 2.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Design Calculations	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Worksheet 2.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Solids Management Plan	<input 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  
**DOMESTIC WASTEWATER PERMIT APPLICATION  
 ADMINISTRATIVE REPORT 1.0**

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

**Section 1. Application Fees (Instructions Page 26)**

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

Flow	New/Major Amendment	Renewal
<0.05 MGD	\$350.00 <input type="checkbox"/>	\$315.00 <input type="checkbox"/>
≥0.05 but <0.10 MGD	\$550.00 <input type="checkbox"/>	\$515.00 <input type="checkbox"/>
≥0.10 but <0.25 MGD	\$850.00 <input type="checkbox"/>	\$815.00 <input type="checkbox"/>
≥0.25 but <0.50 MGD	\$1,250.00 <input type="checkbox"/>	\$1,215.00 <input checked="" 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: 582EA000619928

Copy of Payment Voucher enclosed? Yes

**Section 2. Type of Application (Instructions Page 26)**

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

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

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

- Active
- Inactive

**Attachment:  
Permit Payment Voucher**

Your transaction is complete. Thank you for using TCEQ ePay.

Note: It may take up to 3 working days for this electronic payment to be processed and be reflected in the TCEQ ePay system. Print this receipt and the vouchers for your records. An email receipt has also been sent.

**Transaction Information**

**Trace Number:** 582EA000619928  
**Date:** 08/02/2024 10:58 AM  
**Payment Method:** ACH - Authorization 0079087950  
**ePay Actor:** CINDY BOWERS  
**Actor Email:** cindy@intrepid5.com  
**IP:** 104.13.25.221  
**TCEQ Amount:** \$1,365.00  
**Texas.gov Price:** \$1,365.00\*

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

**Payment Contact Information**

**Name:** CINDY BOWERS  
**Company:** PARK WATER COMPANY  
**Address:** 2409 S COUNTY ROAD 1110, MIDLAND, TX 79706  
**Phone:** 662-809-0341

**Cart Items**

Click on the voucher number to see the voucher details.

Voucher	Fee Description	AR Number	Amount
715526	WW PERMIT - FACILITY WITH ANY FLOW - MINOR AMENDMENT		\$100.00
715527	30 TAC 305.53B WQ NOTIFICATION FEE		\$50.00
715528	WW PERMIT - FACILITY WITH FLOW >= .25 & < .50 MGD - RENEWAL		\$1,200.00
715529	30 TAC 305.53B WQ RENEWAL NOTIFICATION FEE		\$15.00
<b>TCEQ Amount:</b>			<b>\$1,365.00</b>

[ePay Again](#) [Exit ePay](#)

Note: It may take up to 3 working days for this electronic payment to be processed and be reflected in the TCEQ ePay system. Print this receipt for your records.

**SECTION 1.0:  
DOMESTIC WASTEWATER  
ADMINISTRATIVE REPORT,  
SUPPLEMENTAL PERMIT  
INFORMATION FORM  
TCEQ-10053**

**(Cont.)**

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

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

d. Check the box next to the appropriate application type

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

e. For amendments or modifications, describe the proposed changes: [Click to enter text.](#)

f. For existing permits:

Permit Number: WQ00 0015661001

EPA I.D. (TPDES only): TX 0138363

Expiration Date: June 18, 2025

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

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

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

Park Sewer Company

*(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: 605480086

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

Prefix: Mr.

Last Name, First Name: Bethke, Jason

Title: CEO

Credential: MBA

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

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

[Click to enter text.](#)

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

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

CN: [Click to enter text.](#)

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: [Click to enter text.](#)

Last Name, First Name: [Click to enter text.](#)

Title: [Click to enter text.](#)

Credential: [Click to enter text.](#)

Provide a brief description of the need for a co-permittee: [Click to enter text.](#)

### 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. N/A

## Section 4. Application Contact Information (Instructions Page 27)

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

A. Prefix: [Click to enter text.](#)

Last Name, First Name: Bethke, Jason

Title: CEO

Credential: MBA

Organization Name: Park Sewer Company

Mailing Address: 2409 S County Road 1110 City, State, Zip Code: Midland, TX 79706

Phone No.: (482)-252-2189

E-mail Address: jason.bethke@permian-water.com

Check one or both:  Administrative Contact  Technical Contact

B. Prefix: [Click to enter text.](#)

Last Name, First Name: [Click to enter text.](#)

Title: [Click to enter text.](#)

Credential: [Click to enter text.](#)

Organization Name: [Click to enter text.](#)

Mailing Address: [Click to enter text.](#) City, State, Zip Code: [Click to enter text.](#)

Phone No.: [Click to enter text.](#)

E-mail Address: [Click to enter text.](#)

Check one or both:  Administrative Contact  Technical Contact

## Section 5. Permit Contact Information (Instructions Page 27)

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

A. Prefix: [Click to enter text.](#)

Last Name, First Name: Bethke, Jason

Title: CEO

Credential: MBA

Organization Name: Park Sewer Company

Mailing Address: 2409 S County Road 1110 City, State, Zip Code: Midland, TX 79706

Phone No.: (482)-252-2189

E-mail Address: jason.bethke@permian-water.com

B. Prefix: [Click to enter text.](#) Last Name, First Name: Bowers, Cindy  
Title: CFO Credential: [Click to enter text.](#)  
Organization Name: Park Sewer Company  
Mailing Address: 2409 S County Road 1110 City, State, Zip Code: Midland, TX 79706  
Phone No.: (482)-252-2189 E-mail Address: Cindy@intrepid5.com

## Section 6. Billing Contact Information (Instructions Page 27)

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

Prefix: [Click to enter text.](#) Last Name, First Name: Bethke, Jason  
Title: CEO Credential: MBA  
Organization Name: Park Sewer Company  
Mailing Address: 2409 S County Road 1110 City, State, Zip Code: Midland, TX 79706  
Phone No.: (482)-252-2189 E-mail Address: jason.bethke@permian-water.com

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

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

Prefix: [Click to enter text.](#) Last Name, First Name: Bethke, Jason  
Title: CEO Credential: MBA  
Organization Name: Park Sewer Company  
Mailing Address: 2409 S County Road 1110 City, State, Zip Code: Midland, TX 79706  
Phone No.: (482)-252-2189 E-mail Address: jason.bethke@permian-water.com

## Section 8. Public Notice Information (Instructions Page 27)

### A. Individual Publishing the Notices

Prefix: [Click to enter text.](#) Last Name, First Name: Bethke, Jason  
Title: CEO Credential: MBA  
Organization Name: Park Sewer Company  
Mailing Address: 2409 S County Road 1110 City, State, Zip Code: Midland, TX 79706  
Phone No.: (482)-252-2189 E-mail Address: jason.bethke@permian-water.com

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

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

- E-mail Address
- Fax
- Regular Mail

**C. Contact permit to be listed in the Notices**

Prefix: [Click to enter text.](#) Last Name, First Name: Bethke, Jason

Title: CEO Credential: MBA

Organization Name: Park Sewer Company

Mailing Address: 2409 S County Road 1110 City, State, Zip Code: Midland, TX 79706

Phone No.: (482)-252-2189 E-mail Address: jason.bethke@permian-water.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: Midland Library at the Plaza

Location within the building: N/A

Physical Address of Building: 301 W Missouri Ave

City: Midland, TX 79701 County: Midland

Contact (Last Name, First Name): Tiffany London

Phone No.: (432)-688-4320 Ext.: [Click to enter text.](#)

**E. Bilingual Notice Requirements**

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

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

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

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

Yes  No

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

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

Yes  No

3. Do the students at these schools attend a bilingual education program at another location?  
 Yes  No
4. Would the school be required to provide a bilingual education program but the school has waived out of this requirement under 19 TAC §89.1205(g)?  
 Yes  No
5. If the answer is **yes** to **question 1, 2, 3, or 4**, public notices in an alternative language are required. Which language is required by the bilingual program? Spanish

**F. Plain Language Summary Template**

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

**G. Public Involvement Plan Form**

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

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

- A. If the site is currently regulated by TCEQ, provide the Regulated Entity Number (RN) issued to this site. RN 110288503  
 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):  
Park Water WWTP
- C. Owner of treatment facility: Park Sewer Company  
 Ownership of Facility:  Public  Private  Both  Federal
- D. Owner of land where treatment facility is or will be:  
 Prefix: Click to enter text. Last Name, First Name: N/A  
 Title: Click to enter text. Credential: Click to enter text.  
 Organization Name: Park Sewer Company  
 Mailing Address: 2409 S County Road 1110 City, State, Zip Code: Midland, TX 79706  
 Phone No.: \_\_\_\_\_ E-mail Address: \_\_\_\_\_
- 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:** Click to enter text.

E. Owner of effluent disposal site:

Prefix: [Click to enter text.](#)

Last Name, First Name: N/A

Title: [Click to enter text.](#)

Credential: [Click to enter text.](#)

Organization Name: Park Sewer Company

Mailing Address: 2409 S County Road 1110 City, State, Zip Code: Midland, TX 79706

Phone No.: [Click to enter text.](#)

E-mail Address: [Click to enter text.](#)

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: [Click to enter text.](#)

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

Prefix: N/A

Last Name, First Name: N/A

Title: N/A

Credential: N/A

Organization Name: N/A

Mailing Address: N/A

City, State, Zip Code: N/A

Phone No.: N/A

E-mail Address: N/A

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

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

**Section 10. TPDES Discharge Information (Instructions Page 31)**

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

Yes  No

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

[Click to enter text.](#)

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:

[Click to enter text.](#)

City nearest the outfall(s): Midland

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

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

Yes  No

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

- Authorization granted       Authorization pending

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

**Attachment:** N/A

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

### Section 11. TLAP Disposal Information (Instructions Page 32)

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

Yes       No

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

N/A

- B. City nearest the disposal site: [Click to enter text.](#)

- C. County in which the disposal site is located: [Click to enter text.](#)

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

N/A

- E. For TLAPs, please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: [Click to enter text.](#)

### Section 12. Miscellaneous Information (Instructions Page 32)

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

Yes       No

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

Yes       No       Not Applicable

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

[Click to enter text.](#)

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: [Click to enter text.](#)

D. Do you owe any fees to the TCEQ?

Yes  No

If yes, provide the following information:

Account number: [Click to enter text.](#)

Amount past due: [Click to enter text.](#)

E. Do you owe any penalties to the TCEQ?

Yes  No

If yes, please provide the following information:

Enforcement order number: 65458

Amount past due: N/A

### Section 13. Attachments (Instructions Page 33)

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

Lease agreement or deed recorded easement, if the land where the treatment facility is located or the effluent disposal site are not owned by the applicant or co-applicant.

Original full-size USGS Topographic Map with the following information:

- Applicant's property boundary
- Treatment facility boundary
- Labeled point of discharge for each discharge point (TPDES only)
- Highlighted discharge route for each discharge point (TPDES only)
- Onsite sewage sludge disposal site (if applicable)
- Effluent disposal site boundaries (TLAP only)
- New and future construction (if applicable)
- 1 mile radius information
- 3 miles downstream information (TPDES only)
- All ponds.

Attachment 1 for Individuals as co-applicants

Other Attachments. Please specify: [Click to enter text.](#)

**Section 14. Signature Page (Instructions Page 34)**

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

Permit Number: WQ0015661001

Applicant: Park Sewer Company

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): Jason Bethke

Signatory title: Chief Executive Officer

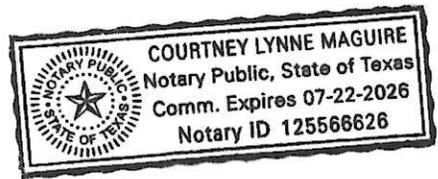
Signature: *Jason Bethke* Date: 8/5/24  
(Use blue ink)

Subscribed and Sworn to before me by the said Jason Bethke  
on this 5<sup>th</sup> day of August, 2024.  
My commission expires on the 22 day of July, 2026.

*Courtney Lynne Maguire*  
Notary Public

[SEAL]

Travis Co.  
County, Texas



# DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

The following information is required for new and amendment applications.

## Section 1. Affected Landowner Information (Instructions Page 36)

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

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

Click to enter text.

## Section 2. Original Photographs (Instructions Page 38)

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

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

## Section 3. Buffer Zone Map (Instructions Page 38)

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

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

B. Buffer zone compliance method. Indicate how the buffer zone requirements will be met. Check all that apply.

- Ownership
- Restrictive easement
- Nuisance odor control
- Variance

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

- Yes       No

# ATTACHMENT 1

## INDIVIDUAL INFORMATION

### Section 1. Individual Information (Instructions Page 41)

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

Prefix (Mr., Ms., Miss): [Click to enter text.](#)

Full legal name (Last Name, First Name, Middle Initial): [Click to enter text.](#)

Driver's License or State Identification Number: [Click to enter text.](#)

Date of Birth: [Click to enter text.](#)

Mailing Address: [Click to enter text.](#)

City, State, and Zip Code: [Click to enter text.](#)

Phone Number: [Click to enter text.](#) Fax Number: [Click to enter text.](#)

E-mail Address: [Click to enter text.](#)

CN: [Click to enter text.](#)

#### **For Commission Use Only:**

Customer Number:

Regulated Entity Number:

Permit Number:

# DOMESTIC WASTEWATER PERMIT APPLICATION

## SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

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

**Attachment:** Attached as Supplemental Permit Information Form

# DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST OF COMMON DEFICIENCIES

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

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

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

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

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

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

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

**Things to Know:**

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

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

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

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

Plain Language Summary  Yes

**Attachment:  
Supplemental Permit  
Information Form**

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY  
SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)**

**FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL  
TPDES WASTEWATER PERMIT APPLICATIONS**

<b>TCEQ USE ONLY:</b>	
Application type: <input type="checkbox"/> Renewal <input type="checkbox"/> Major Amendment <input type="checkbox"/> Minor Amendment <input type="checkbox"/> New	
County: _____	Segment Number: _____
Admin Complete Date: _____	
Agency Receiving SPIF:	
<input type="checkbox"/> Texas Historical Commission	<input type="checkbox"/> U.S. Fish and Wildlife
<input type="checkbox"/> Texas Parks and Wildlife Department	<input type="checkbox"/> U.S. Army Corps of Engineers

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

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

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

The following applies to all applications:

1. Permittee: PARK SEWER COMPANY, CN605480086

Permit No. WQ00 15661001

EPA ID No. TX 0138363

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

The Park Sewer Company Wastewater Treatment Facility SIC Code 4952 is located approximately 1.0-mile northeast of the intersection of East County Road 120 & South County Road 1110, in Midland County 79706

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

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

First and Last Name: Jason Bethke

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

Title: Chief Executive Officer

Mailing Address: 2409 S County Road 1110

City, State, Zip Code: Midland, TX 79706

Phone No.: 480-252-2189 Ext.:  Fax No.: N/A

E-mail Address: jason.bethke@permian-water.com

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

N/A The property is privately owned

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

From the approved discharge point: to Midland Draw, Thence to Johnson Draw, Thence to Beals Creek, Thence to Colorado River below Lake J.B. Thomas in Segment 1412 in the Colorado River Basin.

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

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

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

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

Disturbance of vegetation or wetlands

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

The surface area of the WWTF construction project would be approximately 0.18 acres. The depth of excavation to place the lift station would be approximately 10 feet. The project does not include any sealing caves or other karst features.

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

The project site and surrounding areas exhibit little to no vegetation. The soil is dry and the ground is mostly flat. In terms of land use, the surrounding area is being developed with new housing to be constructed as per the planned phasing. The project land would be utilized to treat influent wastewater from the surrounding areas.

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

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

N/A

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

N/A

# **Attachment: Core Data Form**



TCEQ Use Only

# TCEQ Core Data Form

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

## SECTION I: General Information

<b>1. Reason for Submission</b> (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
<b>2. Customer Reference Number</b> (if issued)	Follow this link to search for CN or RN numbers in <a href="#">Central Registry**</a>	<b>3. Regulated Entity Reference Number</b> (if issued)
CN 605480086		RN 110288503

## SECTION II: Customer Information

<b>4. General Customer Information</b>		<b>5. Effective Date for Customer Information Updates</b> (mm/dd/yyyy)	
<input type="checkbox"/> New Customer		<input checked="" type="checkbox"/> Update to Customer Information	
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)		<input type="checkbox"/> Change in Regulated Entity Ownership	
<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>			
<b>6. Customer Legal Name</b> (If an individual, print last name first: eg: Doe, John)		<i>If new Customer, enter previous Customer below:</i>	
Park Sewer Company			
<b>7. TX SOS/CPA Filing Number</b>	<b>8. TX State Tax ID</b> (11 digits)	<b>9. Federal Tax ID</b> (9 digits)	<b>10. DUNS Number</b> (if applicable)
802521790	32061315191	82-1932877	
<b>11. Type of Customer:</b>	<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:	
<b>12. Number of Employees</b>		<b>13. Independently Owned and Operated?</b>	
<input checked="" type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		<input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>14. Customer Role</b> (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following			
<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:			
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant			
<b>15. Mailing Address:</b>	2409 S County Road 1110		
	City	Midland	State TX ZIP 79706 ZIP + 4
<b>16. Country Mailing Information</b> (if outside USA)		<b>17. E-Mail Address</b> (if applicable)	
		jason.bethke@permian-water.com	

<b>18. Telephone Number</b> ( 602 ) 615-4532	<b>19. Extension or Code</b>	<b>20. Fax Number (if applicable)</b> ( ) -
-------------------------------------------------	------------------------------	------------------------------------------------

### SECTION III: Regulated Entity Information

**21. General Regulated Entity Information** (If "New Regulated Entity" is selected, a new permit application is also required.)

New Regulated Entity  
 Update to Regulated Entity Name  
 Update to Regulated Entity Information

*The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).*

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

<b>23. Street Address of the Regulated Entity:</b> <i>(No PO Boxes)</i>	2409 S County Road 1110							
	<b>City</b>	Midland	<b>State</b>	TX	<b>ZIP</b>	79706	<b>ZIP + 4</b>	

**24. County**

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

<b>25. Description to Physical Location:</b>	1 MI northeast of the intersection of E County Road 120 and S County Road 1110
----------------------------------------------	--------------------------------------------------------------------------------

<b>26. Nearest City</b>	<b>State</b>	<b>Nearest ZIP Code</b>
Midland	TX	79706

*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).*

<b>27. Latitude (N) In Decimal:</b>			<b>28. Longitude (W) In Decimal:</b>		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
32	00	3.18	101	55	27.73

<b>29. Primary SIC Code</b> (4 digits)	<b>30. Secondary SIC Code</b> (4 digits)	<b>31. Primary NAICS Code</b> (5 or 6 digits)	<b>32. Secondary NAICS Code</b> (5 or 6 digits)
4952		221320	

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

Wastewater treatment

<b>34. Mailing Address:</b>	2409 S County Road 1110							
	<b>City</b>	Midland	<b>State</b>	TX	<b>ZIP</b>	79706	<b>ZIP + 4</b>	

**35. E-Mail Address:** jason.bethke@permian-water.com

<b>36. Telephone Number</b>	<b>37. Extension or Code</b>	<b>38. Fax Number (if applicable)</b>
( 482 ) 252-2189		( ) -

**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.

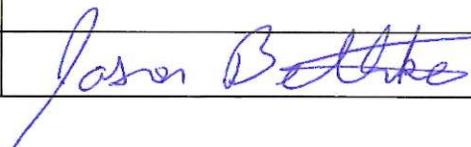
<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review 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:
	WQ0015661001			

**SECTION IV: Preparer Information**

<b>40. Name:</b>	Jason Bethke	<b>41. Title:</b>	CEO
<b>42. Telephone Number</b>	<b>43. Ext./Code</b>	<b>44. Fax Number</b>	<b>45. E-Mail Address</b>
( 482 ) 252-2189		( ) -	jason.bethke@permian-water.com

**SECTION V: Authorized Signature**

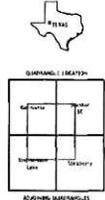
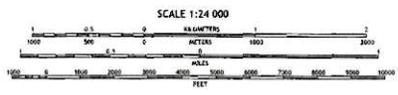
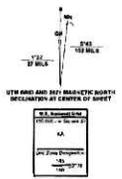
46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified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

<b>Company:</b>	Park Sewer Company	<b>Job Title:</b>	CEO
<b>Name (In Print):</b>	Jason Bethke	<b>Phone:</b>	( 482 ) 252- 2189
<b>Signature:</b>		<b>Date:</b>	8/2/2024

**Attachment:  
USGS - 7.5 Minute TOPO**



Produced by the United States Geological Survey  
North American Datum of 1983 (NAD83)  
World Geodetic System of 1984 (WGS84). Projection and  
1:500-meter grid/Universal Transverse Mercator, Zone 14Q (UTM)  
data is provided by The National Map (TNM), is the best available at the time of map  
generation, and metadata data compiled from reporting sources of Electricity,  
Hydrography, Geographic Names, Boundaries, Transportation, Structures, Land Use,  
and Orthophotography. Refer to associated feature Geographic Data Converter (FGDC)  
metadata for additional source data information.  
  
This map is not a legal document. Boundaries may be generalized for this map scale.  
Private land within governmental jurisdictions may not be shown. Obtain permission  
before entering private lands. Topographic change may have occurred since these data  
were collected and more data may no longer represent actual surface conditions.  
  
Learn About The National Map: <https://nationalmap.gov>



ROAD CLASSIFICATION	
Expressway	Local Connector
Secondary Hwy	Local Road
Ramp	Driv
Private Road	US Road
	State Route

7.5-MINUTE TOPO, TX  
2024

# **Attachment: Plain Language Summary**



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

# PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

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

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

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

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

### ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS DOMESTIC WASTEWATER/STORMWATER

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

Park Sewer Company (CN: 605480086) operates Park Water WWTP (RN:110288503), a Wastewater Treatment Facility. The facility is located at approximately 1.0 mile northeast of the intersection of East County Road 120 and South County Road 1110, in the City of Midland, Midland County, Texas 79706. The applicant is requesting TPDES permit renewal for the existing WWTP facility with a minor amendment to the interim flow phasing to match the developmental progression in the locality. The discharge from this facility of treated wastewater shall not exceed a daily average flow of 357,850 gallons per day. The facility will discharge to Midland Draw, thence to Johnson Draw, thence to Mustang Draw, thence to Beals Creek, thence to Colorado River below Lake J.B. Thomas, in segment No. 1412 of the Colorado River Basin.

Discharges from the facility are expected to contain trace amounts of CBOD, suspended solids, ammonia nitrogen, and phosphorous within acceptable ranges as described by the

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

### AGUAS RESIDUALES Domésticas /AGUAS PLUVIALES

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

Park Sewer Company (CN: 605480086)) opera Park Water WWTP (RN:110288503), un Planta de tratamiento de aguas residuales. La instalación está ubicada en aproximadamente 1.0 milla al noreste de la intersección de East County Road 120 y South County Road 1110, en Midland, Condado de Midland, Texas 79706. El solicitante está solicitando la renovación del permiso TPDES para la instalación existente de la planta de tratamiento de aguas residuales con una enmienda menor a la fase de flujo provisional para que coincida con el progreso de desarrollo en la localidad El vertido de aguas tratadas desde esta instalación no deberá exceder un flujo promedio diario de 357,850 galones por día La instalación descargará en Midland Draw, luego en Johnson Draw, luego en Mustang Draw, luego en Beals Creek y finalmente en el río Colorado debajo del lago JB Thomas, en el segmento No 1412 de la cuenca del río Colorado.

Se espera que las descargas de la instalación contengan Las cantidades mínimas de CBOD, sólidos suspendidos, nitrógeno amoniacal y fósforo se encuentran dentro de los rangos aceptables según lo descrito por la TCEQ. Las aguas residuales provienen de la subdivisión circundante. está tratado por mediante filtración de membrana en un proceso de lodos activados y luego se desinfectan mediante lámparas ultravioleta.

**Attachment:  
Affected Landowner's Map**



32.00092, -101.9244



Show search results for 32.00...

0.6mi

31.994 Degrees

POWERED BY  
esri

Esri, NGA, USGS, FEMA | Esri Community Maps Contributors, City of Mi...

Map ID	Property ID	Owner	Street Address	City	State	Zip
1	017003720100	BOBCAT DRAW HOLDINGS LLC	1506 N C ST	MIDLAND	TX	79707
2	017003720200	BOBCAT DRAW HOLDINGS LLC	1506 N C ST	MIDLAND	TX	79707
3	017003720300	SCARBOROUGH, BRIAN H	PO BOX 420	ROARING SPRINGS	TX	79256-0420
4	028003726000	SCARBOROUGH, BRIAN H	PO BOX 420	ROARING SPRINGS	TX	79256-0420
5	028003725000	SCARBOROUGH, BRIAN H	PO BOX 420	ROARING SPRINGS	TX	79256-0420
6	028003723000	BEEZLEY, BRUCE VERNON	150 LARY LN	GUTHRIE	OK	73044
7	016603726500	BEEZLEY, BRUCE VERNON	150 LARY LN	GUTHRIE	OK	73044
8	016603724000	GREENWOOD ISD	2700 FM RD 1379	MIDLAND	TX	79706-5330
9	03803721250	BOBCAT DRAW HOLDINGS LLC	1506 N C ST	MIDLAND	TX	79707
10	029003721500	BOBCAT DRAW HOLDINGS LLC	1506 N C ST	MIDLAND	TX	79707
11	003803721000	BOBCAT DRAW HOLDINGS LLC	1506 N C ST	MIDLAND	TX	79707
12	023403820100	BOBCAT DRAW HOLDINGS LLC	1506 N C ST	MIDLAND	TX	79707
13	MO01960382		NO INFORMATION LISTED			
14	038200120400	BOBCAT DRAW HOLDINGS LLC	1506 N C ST	MIDLAND	TX	79707
15	038200120300	EVANS, BOB	11700 FM 307	MIDLAND	TX	79706
16	038200120410	BOBCAT DRAW HOLDINGS LLC	1506 N C ST	MIDLAND	TX	79707
17	038200121225	CVC 1110 PROPERTIES LLC	BOX 36	TUSCOLA	TX	79562
18	038200121200	KEELER, GARRETT WESTON	2504 S COUNTY RD 1110	MIDLAND	TX	79706
19	277000000020	CUTSHALL, TAYLOR AND BRITNEY	2408 S COUNTY RD 1110	MIDLAND	TX	79706
20	277000000010	VARLEY, HOWARD	7912 E COUNTY RD 110	MIDLAND	TX	79706-5417
21	016603722110	ORTIZ, MICHAEL	2407 S COUNTY RD 1110	MIDLAND	TX	79706
22	016603729010	PHILLIPS, DANE	2403 S COUNTY RD 1110	MIDLAND	TX	79706-4954
23	016603729000	GONZALEZ, PRECILIANO	3401 S COUNTY RD 1110	MIDLAND	TX	79706
24	016603722100	ORTIZ, MICHAEL	2407 S COUNTY RD 1110	MIDLAND	TX	79706
25	016603722200	CHATWELL, ROBERT ESTATE	2405 S COUNTY RD 1110	MIDLAND	TX	79706-4954
26	016603729000	GONZALEZ, PRECILIANO	2401 S COUNTY RD 1110	MIDLAND	TX	79706
27	016603720000	STEPHENS, AUTRY C	110 N MARIENFELD ST STE 200	MIDLAND	TX	79701
28	016603727000	PRICE, GREGORY A	2401A S COUNTY RD 1110	MIDLAND	TX	79706
29	030003725020	HEMBREE, DAVID KYLE	9044 WATER BUCK LN	CONROE	TX	77303
30	030003720000	STEPHENS, AUTRY C	110 N MARIENFELD ST STE 200	MIDLAND	TX	79701
31	030003727500	PARK HILL RESOURCES LLC	3724 HULEN ST	FORT WORTH	TX	76107
32	016803720000	PARK HILL RESOURCES LLC	3724 HULEN ST	FORT WORTH	TX	76107

**Section 2**  
**Domestic Wastewater**  
**Permit Application,**  
**Technical Reports**  
**TCEQ-10054**

# **Technical Report 1.0**

# **Treatment Process Details**



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

**DOMESTIC WASTEWATER PERMIT APPLICATION  
TECHNICAL REPORT 1.0**

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

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

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

**A. Existing/Interim I Phase**

Design Flow (MGD): 0.010

2-Hr Peak Flow (MGD): 0.040

Estimated construction start date: N/A - EXISTING

Estimated waste disposal start date: N/A - EXISTING

**B. Interim II Phase**

Design Flow (MGD): 0.14

2-Hr Peak Flow (MGD): 0.56

Estimated construction start date: 09/06/24

Estimated waste disposal start date: 10/31/24

**B1. Interim Phase III**

Design Flow (MGD): 0.25

2-Hr Peak Flow (MGD): 0.99

Estimated construction start date: TBD

Estimated waste disposal start date: TBD

**C. Final Phase**

Design Flow (MGD): 0.36

2-Hr Peak Flow (MGD): 1.40

Estimated construction start date: TBD

Estimated waste disposal start date: TBD

**D. Current Operating Phase**

Provide the startup date of the facility: N/A Existing

**Section 2. Treatment Process (Instructions Page 43)**

**A. Current Operating Phase**

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

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

Phase 1 is existing. Phase 2, Project: Expand existing Greenwood, Texas wastewater treatment facility. Goal: Increase capacity from 30,000 GPD to 90,000 GPD. Solution: Add a modular MBR system. MBR System Components: Main tank (flow equalization and sludge storage), MBR tank (anoxic and aerobic zones), auxiliary equipment (blowers, pumps, analyzers, chemicals, CIP). Process Flow: Wastewater enters flow equalization, screened, then split to existing treatment or MBR tank. MBR treats wastewater biologically and with membrane filtration. Treated water is disinfected and discharged. Sludge is transferred to sludge storage. Monitoring: SCADA system tracks flow rate, temperature, nutrient levels, pH, DO, membrane pressure, and other parameters. The effluent will flow from the MBR via effluent piping to the assigned outfall point at LAT\_DD 31.985665, LONG\_DD -101.945023. We are also applying for the 210-reuse approval that will coincide to this discharge permit. Phase 3 will add additional modular MBR units similar to the units adopted in phase 1 to meet project flow demands based on area development progress and ancillary treatment units will also be added as required. All units will conform with the TCEQ 217 regs. Final Phase will transition to concrete MBR units to meet project flow demands based on area development progress and ancillary treatment units will also be added as required. Larger basins would be designed to meet the permit required for that phase. All units will conform with the TCEQ 217 regs

**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					
Tankage					
	Length	Width	Height	SWD	Volume (ga.)
Flow Equalization Zone	37'-6"	12'-0"	11'-6"	10'-6"	34,609
Sludge Storage Zone	18'-11"	12'-0"	11'-6"	10'-6"	17,443
Anoxic Zone	17'-4"	12'-0"	11'-6"	10'-6"	16,012
Aerobic/MBR Zone	18'-9"	12'-0"	11'-6"	10'-6"	17,258
Aeration					
	Diffused Aerator Type		Air Flow (scfm)		
Flow Equalization Zone	Coarse Bubble		80		
Sludge Storage Zone	Coarse Bubble		70		
Aeration Zone	Coarse Bubble		500		
MBR membranes	Medium Bubble		318		
Membrane					
Quantity of Module	Membrane Type	Materials	Surface Area Per Module	Nominal Pore size	
3	Flat-Plate	PVDF	2,260 ft <sup>2</sup>	0.08 μm	
*Please find the attached technical letter with a deeper breakdown of treatment unit functions and processes.					

<b>Treatment Unit Type</b>		

**C. Process Flow Diagram**

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

**Attachment:** Attached as Process Flow Diagram

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

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

- Latitude: 31.985665
- Longitude: -101.945023

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

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

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

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

**Attachment:** Attached as USGS Map/Site Drawing Map

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

The Facility Serves the Vander Ranch Residential Development/Community located around the treatment facility at 1 mile northeast of the intersection of East County Road 120 and South County Road 1110 in Midland County Texas 79706. Please also find an attached development plan for the area.

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

**Collection System Information**

Collection System Name	Owner Name	Owner Type	Population Served
Park Water WWTF	Park Sewer Company	Privately Owned	3,500
		Choose an item.	
		Choose an item.	
		Choose an item.	

**Section 4. Unbuilt Phases (Instructions Page 45)**

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

- Yes  No

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

- Yes  No

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

The Wastewater Treatment Facility is being expanded based on the local development in the area to meet the influent loads as the population increases and more houses are built. Flow projections will dictate the rate of expansion for the plant to meet the interim phases as described in the permit. The WWTF currently only serves Phase I of the development plan for the area. Recent inflationary rises in the Texas Housing Market bundled with the higher interest rates on mortgages has led to lower property sales and slower overall development. We've attached the area development plan to show the proposed buildout of the subdivision/community over the next few years.

**Section 5. Closure Plans (Instructions Page 45)**

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

- Yes  No

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

- Yes  No

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

Click to enter text.

## Section 6. Permit Specific Requirements (Instructions Page 45)

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

### A. Summary transmittal

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

Yes  No

If yes, provide the date(s) of approval for each phase: [Click to enter text.](#)

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

Concerning the existing phase, it is uncertain whether approval has already been garnered. We will be submitting the 90,000 gpd phase to the plans and specifications department for review at the same time that this renewal application is submitted.

### B. Buffer zones

Have the buffer zone requirements been met?

Yes  No

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

The Buffer Zone Map has been attached with a buffer zone meeting the requirements as described by the regulations (150 feet from the WWTF treatment units.)

### C. Other actions required by the current permit

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

Yes  No

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

Click to enter text.

#### D. Grit and grease treatment

##### 1. *Acceptance of grit and grease waste*

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

Yes  No

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

##### 2. *Grit and grease processing*

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

Click to enter text.

##### 3. *Grit disposal*

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

Yes  No

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

Describe the method of grit disposal.

Click to enter text.

#### 4. Grease and decanted liquid disposal

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

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

Click to enter text.

### E. Stormwater management

#### 1. Applicability

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

Yes  No

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

Yes  No

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

#### 2. MSGP coverage

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

Yes  No

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

TXR05 [Click to enter text.](#) or TXRNE [Click to enter text.](#)

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

Yes  No

#### 3. Conditional exclusion

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

Yes  No

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

Click to enter text.

**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.

Click to enter text.

**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.

Click to enter text.

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.

Click to enter text.

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

**F. Discharges to the Lake Houston Watershed**

Does the facility discharge in the Lake Houston watershed?

Yes  No

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

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

**1. Acceptance of sludge from other WWTPs**

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

Yes  No

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

In addition, provide the date the plant started or is anticipated to start accepting sludge, an estimate of monthly sludge acceptance (gallons or millions of gallons), an estimate of the BOD<sub>5</sub> concentration of the sludge, and the design BOD<sub>5</sub> concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

Click to enter text.

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

**2. Acceptance of septic waste**

Is the facility accepting or will it accept septic waste?

Yes  No

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

Yes  No

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

Yes  No

If **yes to any of the above**, provide the date the plant started or is anticipated to start accepting septic waste, an estimate of monthly septic waste acceptance (gallons or millions of gallons), an estimate of the BOD<sub>5</sub> concentration of the septic waste, and the design BOD<sub>5</sub> concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

N/A

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

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

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

Yes  No

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

Click to enter text.

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

Is the facility in operation?

Yes  No

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

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

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

**Table1.0(2) – Pollutant Analysis for Wastewater Treatment Facilities**

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
CBOD <sub>5</sub> , mg/l	1.16	13.7	37	Grab	07/05/24
Total Suspended Solids, mg/l	0.52	10.3	20	Grab	03/18/24
Ammonia Nitrogen, mg/l	12.09	13.9	20	Grab	03/25/24
Nitrate Nitrogen, mg/l	1.55	4.54	4	Grab	07/01/24
Total Kjeldahl Nitrogen, mg/l	10.88	13.9	18	Grab	03/25/24
Sulfate, mg/l	N/A	N/A	N/A	N/A	N/A
Chloride, mg/l	N/A	N/A	N/A	N/A	N/A
Total Phosphorus, mg/l	0.937	0.937	1	Grab	03/14/24
pH, standard units	7.3	8.3	4	Grab	03/25/24
Dissolved Oxygen*, mg/l	N/A	N/A	N/A	N/A	N/A
Chlorine Residual, mg/l	N/A	N/A	N/A	N/A	N/A
<i>E.coli</i> (CFU/100ml) freshwater	103.67	2,000	68	Grab	04/15/24
Enterococci (CFU/100ml) saltwater	N/A	N/A	N/A	N/A	N/A
Total Dissolved Solids, mg/l	N/A	N/A	N/A	N/A	N/A
Electrical Conductivity, umohs/cm, †	N/A	N/A	N/A	N/A	N/A
Oil & Grease, mg/l	N/A	N/A	N/A	N/A	N/A
Alkalinity (CaCO <sub>3</sub> )*, mg/l	140.5	151	4	Grab	03/14/24

\*TPDES permits only

†TLAP permits only

**Table1.0(3) – Pollutant Analysis for Water Treatment Facilities**

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Total Suspended Solids, mg/l					
Total Dissolved Solids, mg/l					
pH, standard units					
Fluoride, mg/l					
Aluminum, mg/l					
Alkalinity (CaCO <sub>3</sub> ), mg/l					

**Section 8. Facility Operator (Instructions Page 50)**Facility Operator Name: Dave ClausenFacility Operator's License Classification and Level: Operator Class AFacility Operator's License Number: WW0049858

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

### A. WWTP's Biosolids Management Facility Type

Check all that apply. See instructions for guidance

- Design flow  $\geq$  1 MGD
- Serves  $\geq$  10,000 people
- Class I Sludge Management Facility (per 40 CFR § 503.9)
- Biosolids generator
- Biosolids end user - land application (onsite)
- Biosolids end user - surface disposal (onsite)
- Biosolids end user - incinerator (onsite)

### B. WWTP's Biosolids Treatment Process

Check all that apply. See instructions for guidance.

- Aerobic Digestion
- Air Drying (or sludge drying beds)
- Lower Temperature Composting
- Lime Stabilization
- Higher Temperature Composting
- Heat Drying
- Thermophilic Aerobic Digestion
- Beta Ray Irradiation
- Gamma Ray Irradiation
- Pasteurization
- Preliminary Operation (e.g. grinding, de-gritting, blending)
- Thickening (e.g. gravity thickening, centrifugation, filter press, vacuum filter)
- Sludge Lagoon
- Temporary Storage ( $<$  2 years)
- Long Term Storage ( $\geq$  2 years)
- Methane or Biogas Recovery
- Other Treatment Process: [Click to enter text.](#)

### C. Biosolids Management

Provide information on the *intended* biosolids management practice. Do not enter every management practice that you want authorized in the permit, as the permit will authorize

all biosolids management practices listed in the instructions. Rather indicate the management practice the facility plans to use.

**Biosolids Management**

Management Practice	Handler or Preparer Type	Bulk or Bag Container	Amount (dry metric tons)	Pathogen Reduction Options	Vector Attraction Reduction Option
Other	Choose an item.	Choose an item.		Choose an item.	Choose an item.
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.

If "Other" is selected for Management Practice, please explain (e.g. monofill or transport to another WWTP): Sludge Holding Tank with periodical pump & haul to a TCEQ approved Disposal Site

**D. Disposal site**

Disposal site name:

TCEQ permit or registration number: N/A

County where disposal site is located: N/A

**E. Transportation method**

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

Name of the hauler: Affordable Vacuum Service, 432-582-2955, dispatch@avsmidland.com  
www.affordablevacuumservice.com

Hauler registration number: TCEQ #23064

Sludge is transported as a:

Liquid     semi-liquid     semi-solid     solid

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

**A. Beneficial use authorization**

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

Yes  No

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

Yes  No

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

Yes  No

#### B. Sludge processing authorization

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

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

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

Yes  No

### Section 11. Sewage Sludge Lagoons (Instructions Page 53)

Does this facility include sewage sludge lagoons?

Yes  No

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

#### A. Location information

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

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

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

- Overlap a designated 100-year frequency flood plain
- Soils with flooding classification
- Overlap an unstable area
- Wetlands

- Located less than 60 meters from a fault
- None of the above

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

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:

[Click to enter text.](#)

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

Total Kjeldahl Nitrogen, mg/kg: [Click to enter text.](#)

Total Nitrogen (=nitrate nitrogen + TKN), mg/kg: [Click to enter text.](#)

Phosphorus, mg/kg: [Click to enter text.](#)

Potassium, mg/kg: [Click to enter text.](#)

pH, standard units: [Click to enter text.](#)

Ammonia Nitrogen mg/kg: [Click to enter text.](#)

Arsenic: [Click to enter text.](#)

Cadmium: [Click to enter text.](#)

Chromium: [Click to enter text.](#)

Copper: [Click to enter text.](#)

Lead: [Click to enter text.](#)

Mercury: [Click to enter text.](#)

Molybdenum: [Click to enter text.](#)

Nickel: [Click to enter text.](#)

Selenium: [Click to enter text.](#)

Zinc: [Click to enter text.](#)

Total PCBs: [Click to enter text.](#)

Provide the following information:

Volume and frequency of sludge to the lagoon(s): [Click to enter text.](#)

Total dry tons stored in the lagoons(s) per 365-day period: [Click to enter text.](#)

Total dry tons stored in the lagoons(s) over the life of the unit: [Click to enter text.](#)

## C. Liner information

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

Yes  No

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

[Click to enter text.](#)

#### D. Site development plan

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

[Click to enter text.](#)

Attach the following documents to the application.

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

#### 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:** [Click to enter text.](#)

## Section 12. Authorizations/Compliance/Enforcement (Instructions Page 55)

### A. Additional authorizations

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

Yes  No

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

We will be requesting a 210 reuse authorization with this renewal application.

### 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:

PARK SEWER COMPANY, CN605480086, has been issued a notice of enforcement as per investigation 1937245. The investigation happened on 09/20/2023. Alleged violations include failure to obtain proper authorization to discharge wastewater into or adjacent to water in the state. Specifically, treated domestic wastewater discharged via irrigation system with no 210 authorizations: comment date 10/23/23. Failure to have adequate fencing around the treatment plant; comment date 10/23/23. Park Sewer company is amending these issues in coordination with the enforcement department at the TCEQ. There is currently an active enforcement program requested with TCEQ docket number 2024-0868-MWD-E as of 5/22/24.

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

### A. RCRA hazardous wastes

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

Yes  No

## Section 14. Laboratory Accreditation (Instructions Page 56)

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

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

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

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

### CERTIFICATION:

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

Printed Name: Jason Bethke

Title: Chief Executive Officer

Signature: 

Date: 8/5/24

# Technical Report 1.1

# DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.1

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

## Section 1. Justification for Permit (Instructions Page 57)

### A. Justification of permit need

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

N/A

### B. Regionalization of facilities

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

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

#### 1. Municipally incorporated areas

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

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

Yes  No  Not Applicable

If yes, within the city limits of: [Click to enter text.](#)

If yes, attach correspondence from the city.

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

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

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

#### 2. Utility CCN areas

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

Yes  No

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

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

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

### 3. *Nearby WWTPs or collection systems*

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

Yes     No

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

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

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

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

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

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

## Section 2. Proposed Organic Loading (Instructions Page 59)

Is this facility in operation?

Yes     No

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

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

### A. Current organic loading

Facility Design Flow (flow being requested in application): 0.09 MGD

Average Influent Organic Strength or BOD<sub>5</sub> Concentration in mg/l: 300 mg/L

Average Influent Loading (lbs/day = total average flow X average BOD<sub>5</sub> conc. X 8.34): [Click to enter text.](#)

Provide the source of the average organic strength or BOD<sub>5</sub> concentration.

Influent Wastewater from surrounding development.

**B. Proposed organic loading**

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

**Table 1.1(1) – Design Organic Loading**

Source	Total Average Flow (MGD)	Influent BOD5 Concentration (mg/l)
Municipality		
Subdivision		
Trailer park - transient		
Mobile home park		
School with cafeteria and showers		
School with cafeteria, no showers		
Recreational park, overnight use		
Recreational park, day use		
Office building or factory		
Motel		
Restaurant		
Hospital		
Nursing home		
Other		
TOTAL FLOW from all sources		
AVERAGE BOD <sub>5</sub> from all sources		

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

**A. Existing/Interim I Phase Design Effluent Quality**

- Biochemical Oxygen Demand (5-day), mg/l: [Click to enter text.](#)
- Total Suspended Solids, mg/l: [Click to enter text.](#)
- Ammonia Nitrogen, mg/l: [Click to enter text.](#)
- Total Phosphorus, mg/l: [Click to enter text.](#)
- Dissolved Oxygen, mg/l: [Click to enter text.](#)
- Other: [Click to enter text.](#)

**B. Interim II Phase Design Effluent Quality**

Biochemical Oxygen Demand (5-day), mg/l: [Click to enter text.](#)

Total Suspended Solids, mg/l: [Click to enter text.](#)

Ammonia Nitrogen, mg/l: [Click to enter text.](#)

Total Phosphorus, mg/l: [Click to enter text.](#)

Dissolved Oxygen, mg/l: [Click to enter text.](#)

Other: [Click to enter text.](#)

**C. Final Phase Design Effluent Quality**

Biochemical Oxygen Demand (5-day), mg/l: [Click to enter text.](#)

Total Suspended Solids, mg/l: [Click to enter text.](#)

Ammonia Nitrogen, mg/l: [Click to enter text.](#)

Total Phosphorus, mg/l: [Click to enter text.](#)

Dissolved Oxygen, mg/l: [Click to enter text.](#)

Other: [Click to enter text.](#)

**D. Disinfection Method**

Identify the proposed method of disinfection.

Chlorine: [Click to enter text.](#) mg/l after [Click to enter text.](#) minutes detention time at peak flow

Dechlorination process: [Click to enter text.](#)

Ultraviolet Light: 180 seconds contact time at peak flow

Other: [Click to enter text.](#)

**Section 4. Design Calculations (Instructions Page 59)**

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

**Attachment:** [Attached as Design Calculations](#)

**Section 5. Facility Site (Instructions Page 60)**

**A. 100-year floodplain**

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

Yes  No

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

[Click to enter text.](#)

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

FEMA FIRM Floodplain Map

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

Yes  No

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

Yes  No

If yes, provide the permit number: [Click to enter text.](#)

If no, provide the approximate date you anticipate submitting your application to the Corps: [Click to enter text.](#)

#### B. Wind rose

Attach a wind rose: [Attached as Wind Rose Map](#)

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

#### A. Beneficial use authorization

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

Yes  No

If yes, attach the completed **Application for Permit for Beneficial Land Use of Sewage Sludge (TCEQ Form No. 10451)**: [Click to enter text.](#)

#### B. Sludge processing authorization

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

- Sludge Composting
- Marketing and Distribution of sludge
- Sludge Surface Disposal or Sludge Monofill

If any of the above, sludge options are selected, attach the completed **Domestic Wastewater Permit Application: Sewage Sludge Technical Report (TCEQ Form No. 10056)**: [Click to enter text.](#)

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

Attach a solids management plan to the application.

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

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

- Treatment units and processes dimensions and capacities

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

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

# Worksheet 2.0

# DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 2.0: RECEIVING WATERS

The following information is required for all TPDES permit applications.

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

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

Yes  No

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

Owner of the drinking water supply: [Click to enter text.](#)

Distance and direction to the intake: [Click to enter text.](#)

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

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

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

Does the facility discharge into tidally affected waters?

Yes  No

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

### A. Receiving water outfall

Width of the receiving water at the outfall, in feet: [Click to enter text.](#)

### B. Oyster waters

Are there oyster waters in the vicinity of the discharge?

Yes  No

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

[Click to enter text.](#)

### C. Sea grasses

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

Yes  No

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

[Click to enter text.](#)

### Section 3. Classified Segments (Instructions Page 64)

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

Yes  No

If yes, this Worksheet is complete.

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

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

Name of the immediate receiving waters: [Click to enter text.](#)

#### A. Receiving water type

Identify the appropriate description of the receiving waters.

- Stream
- Freshwater Swamp or Marsh
- Lake or Pond

Surface area, in acres: [Click to enter text.](#)

Average depth of the entire water body, in feet: [Click to enter text.](#)

Average depth of water body within a 500-foot radius of discharge point, in feet:  
[Click to enter text.](#)

- Man-made Channel or Ditch
- Open Bay
- Tidal Stream, Bayou, or Marsh
- Other, specify: [Click to enter text.](#)

#### B. Flow characteristics

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

- Intermittent - dry for at least one week during most years
- Intermittent with Perennial Pools - enduring pools with sufficient habitat to maintain significant aquatic life uses
- Perennial - normally flowing

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

- USGS flow records
- Historical observation by adjacent landowners
- Personal observation
- Other, specify: [Click to enter text.](#)

**C. Downstream perennial confluences**

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

[Click to enter text.](#)

**D. Downstream characteristics**

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

- Yes  No

If yes, discuss how.

[Click to enter text.](#)

**E. Normal dry weather characteristics**

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

[Click to enter text.](#)

Date and time of observation: [Click to enter text.](#)

Was the water body influenced by stormwater runoff during observations?

- Yes  No

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

**A. Upstream influences**

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

- |                                               |                                                                                  |
|-----------------------------------------------|----------------------------------------------------------------------------------|
| <input type="checkbox"/> Oil field activities | <input type="checkbox"/> Urban runoff                                            |
| <input type="checkbox"/> Upstream discharges  | <input type="checkbox"/> Agricultural runoff                                     |
| <input type="checkbox"/> Septic tanks         | <input type="checkbox"/> Other(s), specify: <a href="#">Click to enter text.</a> |

## B. Waterbody uses

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

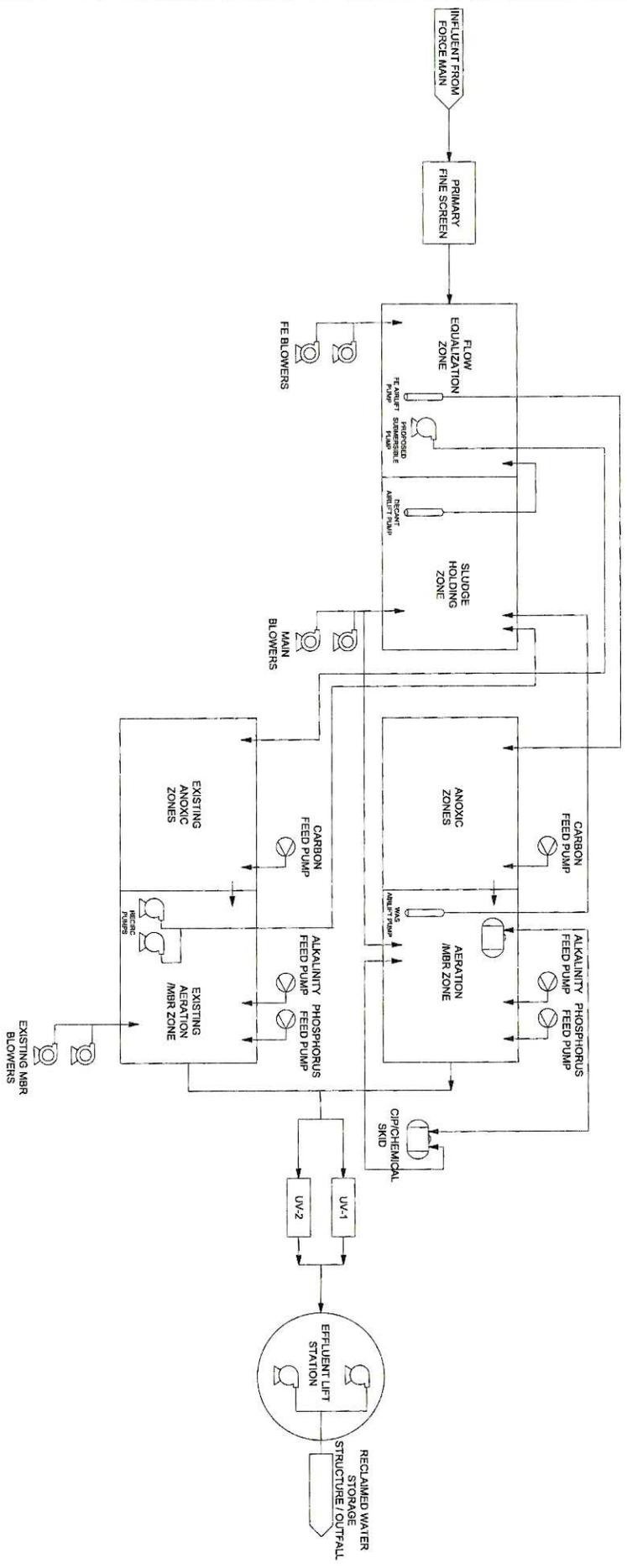
- |                                                |                                                                                  |
|------------------------------------------------|----------------------------------------------------------------------------------|
| <input type="checkbox"/> Livestock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

## C. Waterbody aesthetics

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

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

# **Attachment: Process Flow Diagram**



DATE	6/20/2024
DESIGNED BY	MS
DRAWN BY	SS
CHECKED BY	SR

PROJECT START DATE	JUNE 2024
PROJECT NUMBER	
ENGINEER OF RECORD	

REVISIONS	BY	DATE	APPROVAL

G-005

# **Attachment: Design Calculations**



**Smith & Loveless Inc.**

## Understanding Your Effluent Goals: TITAN MBR™

**Project Name:** Greenwood, TX  
**Project Manager:** Ryan Asbury  
**Units:** US Customary  
**Date:** 11/5/2020

Flow Conditions	
<b>Avg. Flow</b>	120.0 kGPD
<b>Peak Day Flow</b>	N/A kGPD
<b>Primary Source / Type</b>	N/A
<b>Data Parameter 4</b>	N/A

Site	
<b>Elevation</b>	3,000 ft
<b>Summer Air Temperature</b>	35 °C
<b>Winter Air Temperature</b>	0 °C
<b>Available Footprint / Area</b>	N/A ft.2

Influent Waste Characteristics	
<b>Design Flow Rate</b>	120.0 kGPD
<b>BOD</b>	300 mg/L
<b>TSS</b>	300 mg/L
<b>NH<sub>3</sub>-N</b>	N/A mg/L
<b>TKN</b>	45 mg/L
<b>TP</b>	8 mg/L
<b>pH*</b>	6.5-8 pH units
<b>Alkalinity*</b>	300 mg CaCO <sub>3</sub> /L
<b>Min. Water Temperature*</b>	15 °C
<b>Max. Water Temperature*</b>	25 °C

Effluent Requirements	
<b>BOD</b>	5 mg/L
<b>TSS</b>	5 mg/L
<b>NH<sub>3</sub>-N</b>	N/A mg/L
<b>TN</b>	10 mg/L
<b>TP</b>	0.5 mg/L
<b>pH*</b>	6.5-8 pH units
<b>Alkalinity*</b>	75 mg CaCO <sub>3</sub> /L

\*Assumed values

Full build-out with 2  
MBR trains. Each  
MBR rated for 60k  
GPD.

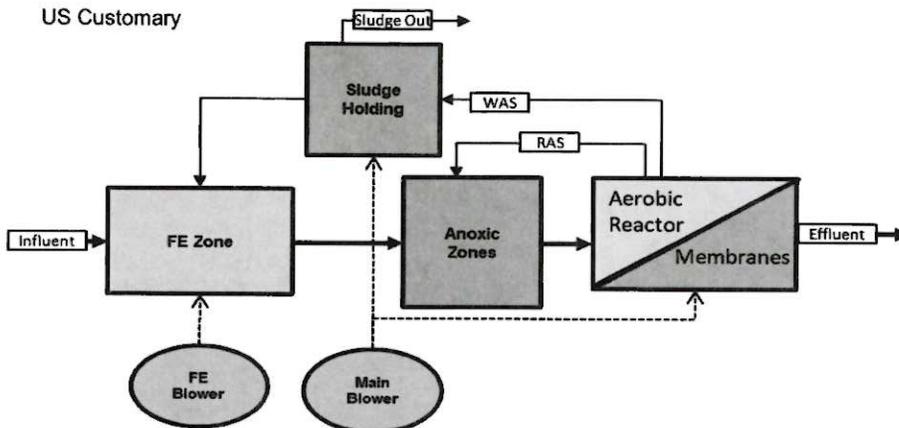
## ACHIEVING RESULTS



Smith & Loveless Inc.

## Achieving Results: TITAN MBR™ Process Design Summary

Units: US Customary



### Flow Equalization

Flow enters the FE or Flow Equalization zone and is mixed with coarse bubble diffusers to keep solids in suspension. At average flow condition, the FE zone can hold the water for the retention time, that can help the maintenance and improve the consistency of flow to the system.

### Design Goals

Number of Zones	1 Zones
Peak Day Flow	N/A kGPD
Equalized Design Flow	120.0 kGPD
Volume Each Zone	3,745 ft <sup>3</sup>
Retention Time at Design Flow	5.6 hrs

### Sludge Holding

As the waste is treated, and solids removed from the water, the amount of MLSS in the aeration zone will increase. Solids must be removed from the aeration zone as to keep the concentration near the design mixed liquor concentration. The treatment plant is equipped with a sludge holding zone to transfer and hold the excess solids until they can be properly dealt with. This zone has the capabilities to further concentrate the solids and decant the supernatant back to the FE zone. The sludge holding zone was designed based the values listed at right.

### Design Goals

Number of Zones	1 Zones
Volume each Zone	2,331.8 ft <sup>3</sup>
Estimated Solids Production	250.3 lb TSS/d
Waste Sludge Concentration	10,000 mg TSS/L
Volume of WAS per Day	3,000 gpd
% Solids After Concentration (Est.)	2.0 %
Solids Holding Time with Decanting	12 days

## ACHIEVING RESULTS

Online: [smithandloveless.com](http://smithandloveless.com) • Phone: 913.888.5201 • FAX: 913.888.2173  
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**Smith & Loveless Inc.**

## Achieving Results: TITAN MBR™ Process Design Summary

Anoxic Zone(s)	Design Goals
<p>Flow enters the Anoxic Zone it is combined with a recycle flow from the Aerobic reactor. The aerobic reactor contains oxydized nitrogen in the form a nitrate. Under anoxic conditions, the biomass converts nitrate to nitrogen gas while reducing BOD.</p>	<b>Number Of Zones</b> 2 Zones
	<b>Volume Each Zone</b> 2,141 ft <sup>3</sup>
	<b>Design Anoxic Recycle Ratio</b> 4.0 QIR/Q
	<b>Design Denitrification Rate</b> 42.5 lb NO <sub>3</sub> -N/d
	<b>Design Effluent Nitrate</b> 7.3 mg/L

Aerobic Zone(s)	Design Goals
<p>The flow will be transferred to the aerobic zone from the anoxic zone. In Aerobic conditions the biomass reduces BOD and oxidizes ammonia to nitrate. This zone is designed based on the characteristics listed at right.</p>	<b>Number of Zones</b> 2 Zones
	<b>Volume Each Zone</b> 4,614 ft <sup>3</sup>
	<b>Total Aerobic Solids Retention Time</b> 12 days
	<b>Hydraulic Retention Time</b> 6.9 hours
	<b>Mixed Liquor Concentration</b> 10,000 mg TSS/L
	<b>Volatile Mixed Liquor Concentration</b> 5,808 mg VSS/L
	<b>F/M Ratio MLVSS Basis</b> 0.093
	<b>BOD Loading Rate</b> 33.75 lb/ft <sup>3</sup> .d

Aerobic (2)/MBR Zones	Design Goals
<p>Mixed liquor suspended solids will be filtered from the water using membranes. The membranes contain very small pores that allow only water to flow through, removing virtually all solids. The solids will be recycled with a pump back to the head of the anoxic zone. The Membranes were design based on the physical parameters listed at right.</p>	<b>Total Membranes</b> 6 S&L 150 Unit
	<b>Membrane Area</b> 13,562 ft <sup>2</sup>
	<b>Average Day Flux at Min Water Temp</b> 9.8 gpd/ft <sup>2</sup>
	<b>Total Air Scour Required</b> 318 scfm

## ACHIEVING RESULTS



Smith & Loveless Inc.

## Achieving Results: TITAN MBR™ Process Design Summary

### Aeration Requirements

To supply the system with the required dissolved oxygen for BOD removal, air diffusers are installed in the aeration zone. A main blower is used to provide air to aerated zones except FE zone. A FE blower is used to provide air to mix the FE zone. The aeration requirements were designed as follows.

Diffuser Design	
<b>Coarse Bubble Diffusers</b>	
Actual O <sub>2</sub> Requirement (AOR)	338.4 lb O <sub>2</sub> /d
O <sub>2</sub> Credit From Air Scour	207.2 lb O <sub>2</sub> /d
Alpha	0.57
Beta	0.95
Coarse Bubble Air	441 scfm
Total Aerobic Zone Air	441 scfm

Additional Operational Air Requirements	
Mixing in the SH Zone(s)	70 scfm
Air For Airlifts	166 scfm
Mixing in the FE Zone(s)	69 scfm

Total Air Requirements	
Main Blower	995 scfm
FE Blower	81 scfm

### Power Requirements

Main Blower Design	
Main - Gauge Pressure	7.1 psi
Calculated Power Req'd	48.7 BHP

Flow Equalization Blower Design	
FE Blower Gauge Pressure	6.9 psi
Calculated Power Req'd	3.3 BHP

### Supplemental Chemical Addition

MacroNutrients	
N Req'd. for BOD Removal	9.2 mg N/L
P Req'd. for BOD Removal	2.0 mg P/L

Chemical Phosphorus (P) Removal Design	
P to be Removed Chemically	5.5 mg TP/L
Chemical to Use	Alum
Dosing (Est.)	98.0 lb FeCl <sub>3</sub> /d

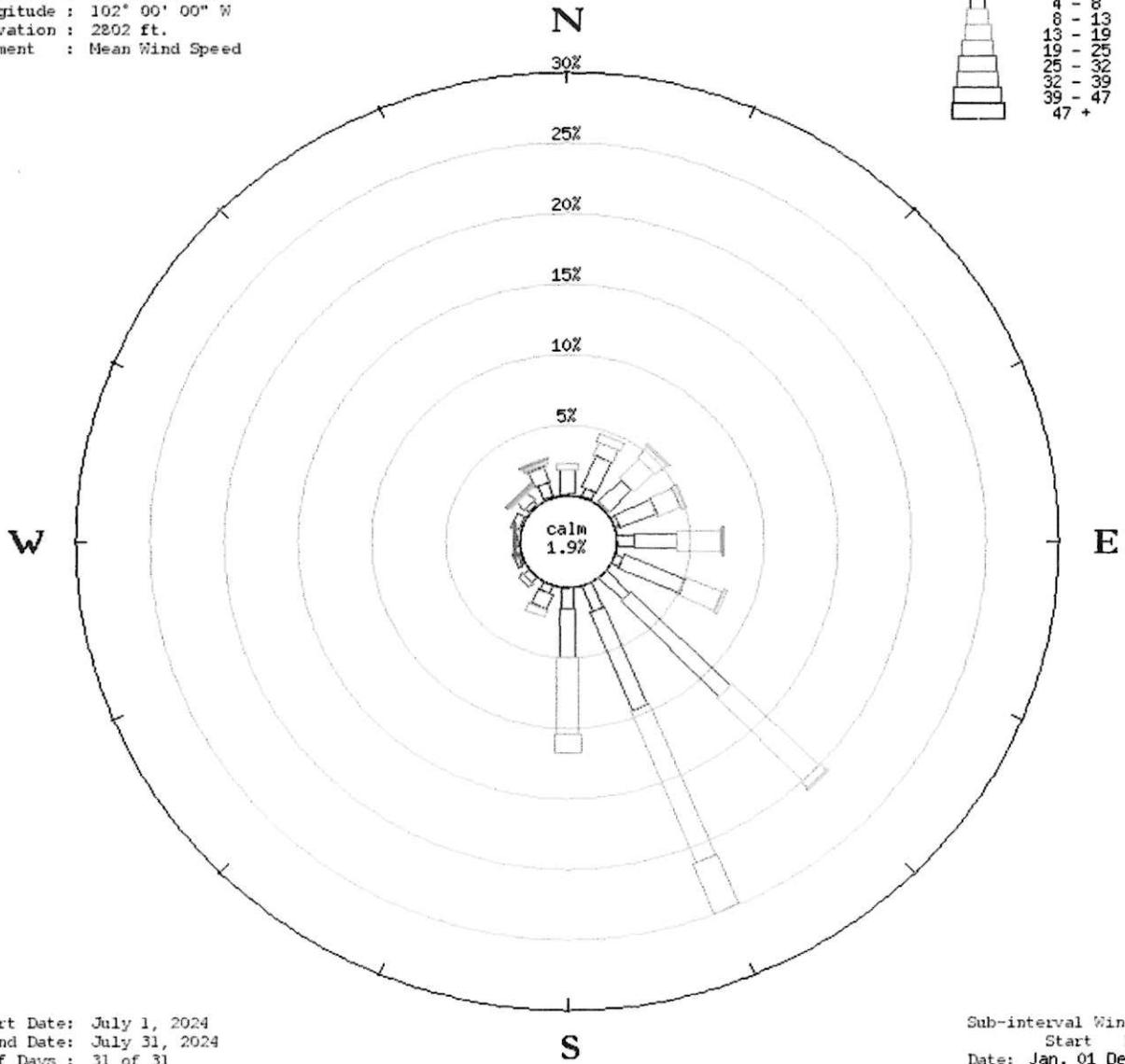
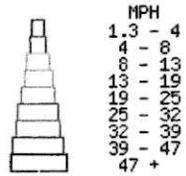
Alkalinity Addition	
Inf. Alkalinity (Client Verify)	300 mg CaCO <sub>3</sub> /L
Supplimental Alk Required?	No
Alkalinity to be Added	0 lb CaCO <sub>3</sub> /d

Supplimental Carbon Dosing	
Anoxic Zone Carbon Dosing ?	No
Anoxic Dosing	0 lb CH <sub>3</sub> OH/d

ACHIEVING RESULTS

# **Attachment: Wind Rose**

Station : Midland Texas  
 Latitude : 32° 00' 00" N  
 Longitude : 102° 00' 00" W  
 Elevation : 2202 ft.  
 Element : Mean Wind Speed



Start Date: July 1, 2024  
 End Date: July 31, 2024  
 # of Days : 31 of 31  
 # obs:poss: 710 of 744

Sub-interval Windows  
 Start End  
 Date: Jan. 01 Dec. 31  
 Hour: 00 23

Western Regional Climate Center



**Permitting**  
**Park Water WWTF**  
**Wind Rose Map**

**EXHIBIT**  
**No.1**

**Attachment:  
FEMA FIRM Map**

**NOTES TO USERS**

This map is for use in determining flood hazard potential. It is not intended to be used as a basis for insurance policy underwriting or for any other financial or legal action. Flood hazard potential is indicated by the flood hazard zones shown on this map. Flood hazard zones are based on the best available data and are subject to change. Flood hazard zones are not intended to be used as a basis for insurance policy underwriting or for any other financial or legal action. Flood hazard zones are based on the best available data and are subject to change.

The information on this map was prepared by the Federal Emergency Management Agency (FEMA) in cooperation with the State of Texas. The information on this map was prepared by the Federal Emergency Management Agency (FEMA) in cooperation with the State of Texas. The information on this map was prepared by the Federal Emergency Management Agency (FEMA) in cooperation with the State of Texas.

Special Flood Hazard Areas (SFHAs) are shown on this map. Special Flood Hazard Areas (SFHAs) are shown on this map. Special Flood Hazard Areas (SFHAs) are shown on this map. Special Flood Hazard Areas (SFHAs) are shown on this map.

Map scale is 1" = 500'. Map scale is 1" = 500'.

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Map scale is 1" = 500'. Map scale is 1" = 500'. Map scale is 1" = 500'. Map scale is 1" = 500'. Map scale is 1" = 500'.



**LEGEND**

**SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD**

**ZONE A** Special Flood Hazard Area subject to a 1% Annual Chance Flood (100-year return period)

**ZONE AE** Special Flood Hazard Area subject to a 1% Annual Chance Flood (100-year return period) with average depth of 1 to 3 feet (average)

**ZONE AO** Special Flood Hazard Area subject to a 1% Annual Chance Flood (100-year return period) with average depth of 3 to 6 feet (average)

**ZONE AH** Special Flood Hazard Area subject to a 1% Annual Chance Flood (100-year return period) with average depth of 6 to 9 feet (average)

**ZONE AR** Special Flood Hazard Area subject to a 1% Annual Chance Flood (100-year return period) with average depth of 9 to 12 feet (average)

**ZONE AV** Special Flood Hazard Area subject to a 1% Annual Chance Flood (100-year return period) with average depth of 12 to 15 feet (average)

**ZONE V** Coastal Flood Hazard Area subject to a 1% Annual Chance Flood (100-year return period) with average depth of 15 to 20 feet (average)

**FLOODWAY AREAS IN ZONE AE**

**OTHER FLOOD AREAS**

**ZONE X** Areas determined to be subject to 1% Annual Chance Flood (100-year return period) with average depth of 1 to 3 feet (average)

**ZONE Y** Areas determined to be subject to 1% Annual Chance Flood (100-year return period) with average depth of 3 to 6 feet (average)

**ZONE Z** Areas determined to be subject to 1% Annual Chance Flood (100-year return period) with average depth of 6 to 9 feet (average)

**COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREA**

**OTHERWISE PROTECTED AREAS (OPAs)**

**OTHER AREAS**

**MAP SCALE 1" = 500'**

**MAP OF MIDLAND COUNTY, TEXAS**

**FIRM FLOOD INSURANCE RATE MAP MIDLAND COUNTY, TEXAS AND UNINCORPORATED AREAS**

**PANEL 231 OF 23**

**DATE MAP PREPARED: 09/16/2001**

**MAP NUMBER: 4632R0231**

**MAP REVISION: 09/16/2001**

**Federal Emergency Management Agency**

**NOTES TO USERS:** This map is for use in determining flood hazard potential. It is not intended to be used as a basis for insurance policy underwriting or for any other financial or legal action. Flood hazard potential is indicated by the flood hazard zones shown on this map. Flood hazard zones are based on the best available data and are subject to change.

**Map Scale 1" = 500'**

**Map of Midland County, Texas**

**Firm Flood Insurance Rate Map**

**Midland County, Texas**

**and Unincorporated Areas**

**Panel 231 of 23**

**Date Map Prepared: 09/16/2001**

**Map Number: 4632R0231**

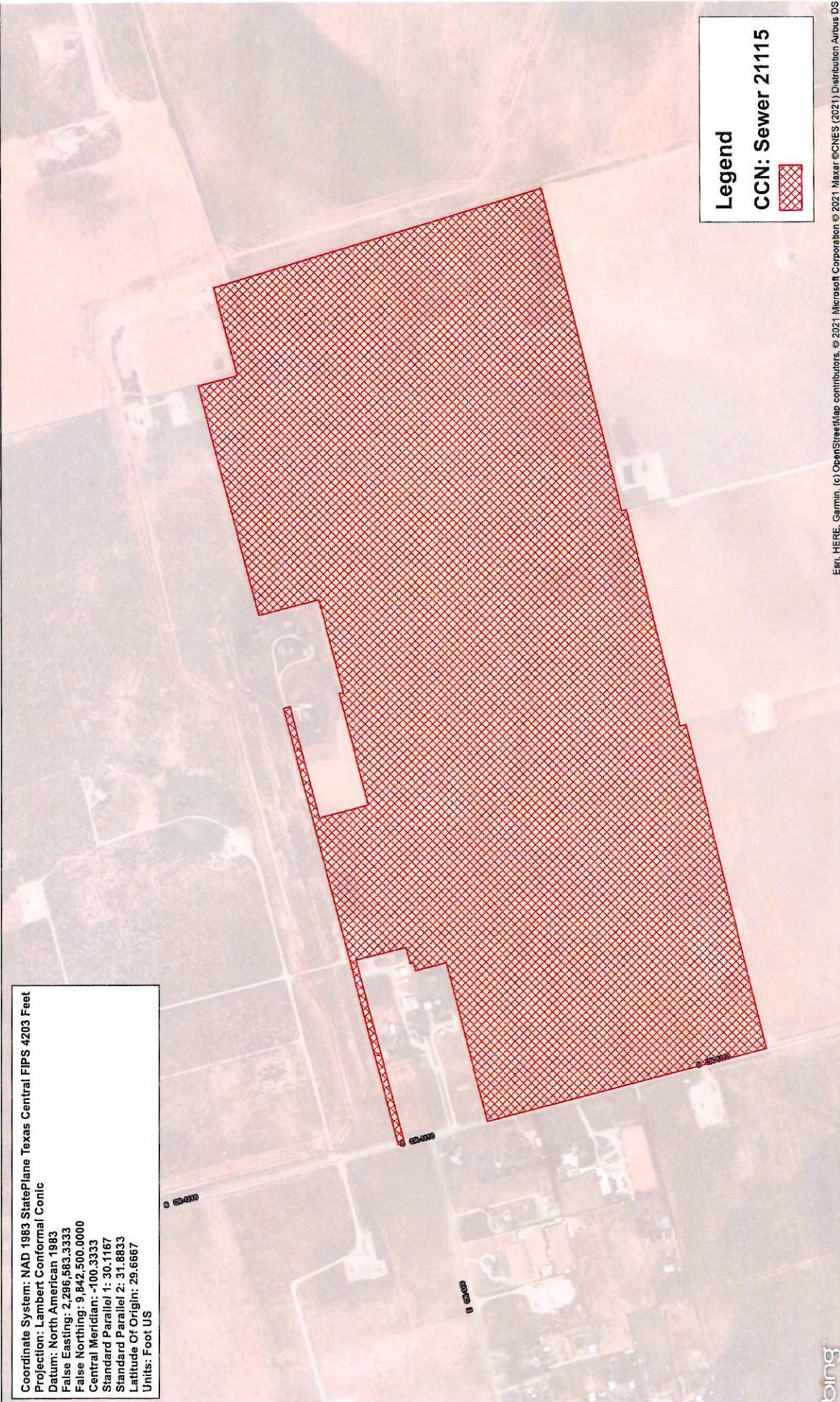
**Map Revision: 09/16/2001**

**Federal Emergency Management Agency**

# **Attachment: Buffer Zone Map**

**Attachment:  
SERVICE AREA AND  
DEVELOPMENT PLAN**

Coordinate System: NAD 1983 StatePlane Texas Central FIPS 4203 Feet  
Projection: Lambert Conformal Conic  
Datum: North American 1983  
False Easting: 2,296,583.3333  
False Northing: 9,842,500.0000  
Central Meridian: -100.3333  
Standard Parallel 1: 30.1167  
Standard Parallel 2: 31.8833  
Latitude Of Origin: 29.6667  
Units: Foot US



**Legend**  
**CCN: Sewer 21115**



Esri, HERE, Garmin, (c) OpenStreetMap contributors, © 2021 Microsoft Corporation © 2021 Maxar ©CNES (2021) Distribution Airbus DS  
ueg united engineers group  
CCN Area  
Midland County, Texas  
Scale: 0 100 200 300 400 Feet  
North Arrow



**Park Water Company**



**Vander Ranch (King 261, LLC)**

Midland County, Texas

May 13, 2024

# **Attachment: Supplemental Information**

# HYDRALINE™ HD40

HIGH DENSITY POLYETHYLENE - LAYFLAT - MEETS GRI-GM13

RAVEN

## PRODUCT DESCRIPTION

HydraLine™ HD40 is made from high density polyethylene (HDPE) resins protected by UV stabilizers to provide exceptional longevity and durability. HydraLine™ HD40 has great chemical resistance and a fairly low permeability as a result of the HDPE properties.

HydraLine™ HD40 requires specialized welding equipment and certified welding technicians to be properly installed. Welding is done with hot wedge welders on long field seams, and extrusion welders are used on detail work and pipe penetrations.

HydraLine™ HD40 is available in smooth, textured, and conductive variations. Colors include black and custom colors with minimum quantity requirements.

## PRODUCT USE

HydraLine™ HD-Series is an excellent product for large applications that require UV stability and chemical resistance. HydraLine™ HD-Series geomembranes are a cost effective choice for large and exposed lining projects. This product is successfully used in landfills, waste water treatment lagoons, animal waste lagoons, mining applications and more.

HydraLine™ HD-Series meets the physical property values as stated in GRI test method GM13.

## SIZE & PACKAGING

HydraLine™ HD40 is shipped to job sites in large 22.5' or 23' wide master rolls tightly rolled on to a heavy core and deployed by on site equipment. Seaming by certified installation technicians occurs in the field by heat fusion welding.



Agricultural Pond Liner

## PRODUCT

## PART #

HydraLine™ ..... HD40B

HydraLine™ ..... HD40W

## APPLICATIONS

- Landfill Liner & Caps
- Animal Waste Lagoons
- Golf Course Ponds
- Gas Collection Covers
- Pond & Lake Liners
- Irrigation Reservoirs
- Waste Water Treatment Lagoons
- Mining Tailing & Heap Leach Pads
- Canal Lining

# HYDRALINE™ HD40

HIGH DENSITY POLYETHYLENE – LAYFLAT

		HydraLine™ HD40			
		IMPERIAL		METRIC	
PROPERTIES	TEST METHOD	TEST VALUE	TESTING FREQUENCY (MINIMUM)	TEST VALUE	TESTING FREQUENCY (MINIMUM)
APPEARANCE		Black, White, & Custom Colors Available with Minimum Order Quantity			
THICKNESS (MIN. AVG.)	ASTM D5199	40 Mils	Per roll	1.00 mm	Per roll
FORMULATED DENSITY (MINIMUM)	ASTM D1505 / ASTM D792	0.940 g/cc	200,000 lb	0.940 g/cc	90,000 kg
TENSILE PROPERTIES (MIN. AVG.) <sup>1</sup> - YIELD STRENGTH - BREAK STRENGTH - YIELD ELONGATION - BREAK ELONGATION	ASTM D6693 Type IV	84 lb/in. 152 lb/in. 12 % 700 %	20,000 lb	15 kN/m 27 kN/m 12 % 700 %	9,000 kg
TEAR RESISTANCE (MIN. AVG.)	ASTM D1004	28 lb	45,000 lb	125 N	20,000 kg
PUNCTURE RESISTANCE (MIN. AVG.)	ASTM D4833	72 lb	45,000 lb	320 N	20,000 kg
STRESS CRACK RESISTANCE <sup>1</sup>	ASTM D5397 (App.)	500 hr	Per GRI-GM10	500 hr	Per GRI-GM10
CARBON BLACK CONTENT (RANGE) <sup>1</sup>	ASTM D4218	2.0-3.0 %	20,000 lb	2.0-3.0 %	9,000 kg
CARBON BLACK DISPERSION	ASTM D5596	Pass	45,000 lb	Pass	20,000 kg

<sup>1</sup> See reference notations for the listed test methods located in the Geosynthetics Research Institute; GRI-GM13 Standard Specification.



HydraLine™ HD40 is made from high density polyethylene (HDPE) resins protected by UV stabilizers to provide exceptional longevity and durability. HydraLine™ HD40 has great chemical resistance and a fairly low permeability as a result of the HDPE properties.

Note: To the best of our knowledge, unless otherwise stated, these are typical property values and are intended as guides only, not as specification limits. Chemical resistance, odor transmission, longevity as well as other performance criteria is not implied or given and actual testing must be performed for applicability in specific applications and/or conditions. RAVEN INDUSTRIES MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage. Limited Warranty available at [www.ravenefd.com](http://www.ravenefd.com)

**RAVEN ENGINEERED FILMS**  
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[www.ravenefd.com](http://www.ravenefd.com)



Client: Parkhill

Report No: 56259  
 Report Date: 6/9/2022

**Report of: Integrity of Nonreinforced Geomembrane Seams Produced Using Thermo-Fusion Methods - ASTM D 6392-12**

Project: Vader Ranch - Lake  
 General Contractor: N/P  
 Liner Thickness: 40 ml  
 Cross Head Speed: 2.0 in/min  
 Seam Location: 25ft North of Inlet

Technician: Brett Gibson  
 Time Left Lab: N/A  
 Returned to Lab: N/A  
 Out of Town Miles: N/A  
 Date Placed: 8/4/2021

**Shear Strength**

Specimen No.	Break Code	Break Description	Shear Strength (lbs/in)	Specified Shear Strength (lbs/in)	Meets Spec
1	FTB - BRK	Break in Sheeting	102	80	Yes
2	FTB - BRK	Break in Sheeting	100	80	Yes
3	FTB - BRK	Break in Sheeting	102	80	Yes
4	FTB - BRK	Break in Sheeting	100	80	Yes
5	FTB - BRK	Break in Sheeting	99	80	Yes
Avg.	-	-	101	80	Yes

**Peel Strength**

Specimen No.	Break Code	Break Description	Peel Strength (lbs/in)	Specified Peel Strength (lbs/in)	Meets Spec
1	FTB - SE1	Break in Outer Edge of Seam	94	60	Yes
1	FTB - SE1	Break in Outer Edge of Seam	91	60	Yes
2	FTB - SE1	Break in Outer Edge of Seam	98	60	Yes
2	FTB - SE1	Break in Outer Edge of Seam	97	60	Yes
3	FTB - SE1	Break in Outer Edge of Seam	98	60	Yes
3	FTB - SE1	Break in Outer Edge of Seam	99	60	Yes
4	FTB - SE1	Break in Outer Edge of Seam	94	60	Yes
4	FTB - SE1	Break in Outer Edge of Seam	95	60	Yes
5	FTB - SE1	Break in Outer Edge of Seam	97	60	Yes
5	FTB - SE1	Break in Outer Edge of Seam	91	60	Yes
Avg	-	-	95	60	Yes



Reviewed by:

*Cole T. Hutson*

6/9/2022

Atlas Technical Consultants, LLC

Texas Registered Engineering Firm F-19813

These test represent only the materials tested which may or may not represent all materials placed. Atlas is testing at locations selected by the client and makes no warranties or guarantees of the materials not tested.

Client: Parkhill

Report No: 56260  
 Report Date: 6/9/2022

**Report of: Integrity of Nonreinforced Geomembrane Seams Produced Using Thermo-Fusion Methods - ASTM D 6392-12**

**Project:** Vader Ranch - Lake  
**General Contractor:** N/P  
**Liner Thickness:** 40 ml  
**Cross Head Speed:** 2.0 in/min  
**Seam Location:** South Berm

**Technician:** Brett Gibson  
**Time Left Lab:** N/A  
**Returned to Lab:** N/A  
**Out of Town Miles:** N/A  
**Date Placed:** 8/4/2021

**Shear Strength**

Specimen No.	Break Code	Break Description	Shear Strength (lbs/in)	Specified Shear Strength (lbs/in)	Meets Spec
1	FTB - BRK	Break in Sheeting	92	80	Yes
2	FTB - BRK	Break in Sheeting	92	80	Yes
3	FTB - BRK	Break in Sheeting	102	80	Yes
4	FTB - BRK	Break in Sheeting	93	80	Yes
5	FTB - BRK	Break in Sheeting	100	80	Yes
Avg.	-	-	96	80	Yes

**Peel Strength**

Specimen No.	Break Code	Break Description	Peel Strength (lbs/in)	Specified Peel Strength (lbs/in)	Meets Spec
1	FTB - AD-BRK	Break in First Seam After Some Adhesion Failure	87	60	Yes
1	FTB - AD-BRK	Break in First Seam After Some Adhesion Failure	94	60	Yes
2	FTB - AD-BRK	Break in First Seam After Some Adhesion Failure	95	60	Yes
2	FTB - AD-BRK	Break in First Seam After Some Adhesion Failure	86	60	Yes
3	FTB - AD-BRK	Break in First Seam After Some Adhesion Failure	88	60	Yes
3	FTB - AD-BRK	Break in First Seam After Some Adhesion Failure	80	60	Yes
4	FTB - SE1	Break in Outer Edge of Seam	86	60	Yes
4	FTB - SE1	Break in Outer Edge of Seam	90	60	Yes
5	FTB - SE1	Break in Outer Edge of Seam	86	60	Yes
5	FTB - SE1	Break in Outer Edge of Seam	80	60	Yes
Avg	-	-	87	60	Yes



Reviewed by:

*Cole T. Hutson*

6/9/2022

Atlas Technical Consultants, LLC

Texas Registered Engineering Firm F-19813

These test represent only the materials tested which may or may not represent all materials placed. Atlas is testing at locations selected by the client and makes no warranties or guarantees of the materials not tested.

Client: Parkhill

Report No: 56261  
 Report Date: 6/9/2022

**Report of: Integrity of Nonreinforced Geomembrane Seams Produced Using Thermo-Fusion Methods - ASTM D 6392-12**

Project: Vader Ranch - Lake  
 General Contractor: N/P  
 Liner Thickness: 40 ml  
 Cross Head Speed: 2.0 in/min  
 Seam Location: North Berm

Technician: Brett Gibson  
 Time Left Lab: N/A  
 Returned to Lab: N/A  
 Out of Town Miles: N/A  
 Date Placed: 8/5/2021

**Shear Strength**

Specimen No.	Break Code	Break Description	Shear Strength (lbs/in)	Specified Shear Strength (lbs/in)	Meets Spec
1	FTB - BRK	Break in Sheeting	93	80	Yes
2	FTB - BRK	Break in Sheeting	94	80	Yes
3	FTB - BRK	Break in Sheeting	94	80	Yes
4	FTB - BRK	Break in Sheeting	95	80	Yes
5	FTB - BRK	Break in Sheeting	98	80	Yes
Avg.	-	-	95	80	Yes

**Peel Strength**

Specimen No.	Break Code	Break Description	Peel Strength (lbs/in)	Specified Peel Strength (lbs/in)	Meets Spec
1	FTB - SE1	Break in Outer Edge of Seam	93	60	Yes
1	FTB - AD-BRK	Break in First Seam After Some Adhesion Failure	90	60	Yes
2	FTB - AD-BRK	Break in First Seam After Some Adhesion Failure	92	60	Yes
2	FTB - AD-BRK	Break in First Seam After Some Adhesion Failure	87	60	Yes
3	FTB - SE1	Break in Outer Edge of Seam	99	60	Yes
3	FTB - SE1	Break in Outer Edge of Seam	89	60	Yes
4	FTB - SE1	Break in Outer Edge of Seam	94	60	Yes
4	FTB - SE1	Break in Outer Edge of Seam	94	60	Yes
5	FTB - SE1	Break in Outer Edge of Seam	96	60	Yes
5	FTB - SE1	Break in Outer Edge of Seam	94	60	Yes
Avg	-	-	93	60	Yes



Reviewed by:

*Cole T. Hutson*

6/9/2022

Atlas Technical Consultants, LLC  
 Texas Registered Engineering Firm F-19813

These test represent only the materials tested which may or may not represent all materials placed. Atlas is testing at locations selected by the client and makes no warranties or guarantees of the materials not tested.

Client: Parkhill

Report No: 56262  
 Report Date: 6/9/2022

**Report of: Integrity of Nonreinforced Geomembrane Seams Produced Using Thermo-Fusion Methods - ASTM D 6392-12**

**Project:** Vader Ranch - Lake  
**General Contractor:** N/P  
**Liner Thickness:** 40 ml  
**Cross Head Speed:** 2.0 in/min  
**Seam Location:** 165ft North of Inlet

**Technician:** Brett Gibson  
**Time Left Lab:** N/A  
**Returned to Lab:** N/A  
**Out of Town Miles:** N/A  
**Date Placed:** 8/5/2021

**Shear Strength**

Specimen No.	Break Code	Break Description	Shear Strength (lbs/in)	Specified Shear Strength (lbs/in)	Meets Spec
1	FTB - BRK	Break in Sheeting	101	80	Yes
2	FTB - BRK	Break in Sheeting	99	80	Yes
3	FTB - BRK	Break in Sheeting	95	80	Yes
4	FTB - BRK	Break in Sheeting	95	80	Yes
5	FTB - BRK	Break in Sheeting	97	80	Yes
Avg.	-	-	97	80	Yes

**Peel Strength**

Specimen No.	Break Code	Break Description	Peel Strength (lbs/in)	Specified Peel Strength (lbs/in)	Meets Spec
1	FTB - SE1	Break in Outer Edge of Seam	94	60	Yes
1	FTB - SE1	Break in Outer Edge of Seam	82	60	Yes
2	FTB - SE1	Break in Outer Edge of Seam	93	60	Yes
2	FTB - SE1	Break in Outer Edge of Seam	92	60	Yes
3	FTB - SE1	Break in Outer Edge of Seam	87	60	Yes
3	FTB - SE1	Break in Outer Edge of Seam	84	60	Yes
4	FTB - SE1	Break in Outer Edge of Seam	82	60	Yes
4	FTB - SE1	Break in Outer Edge of Seam	81	60	Yes
5	FTB - SE1	Break in Outer Edge of Seam	93	60	Yes
5	FTB - SE1	Break in Outer Edge of Seam	89	60	Yes
Avg	-	-	88	60	Yes



Reviewed by:

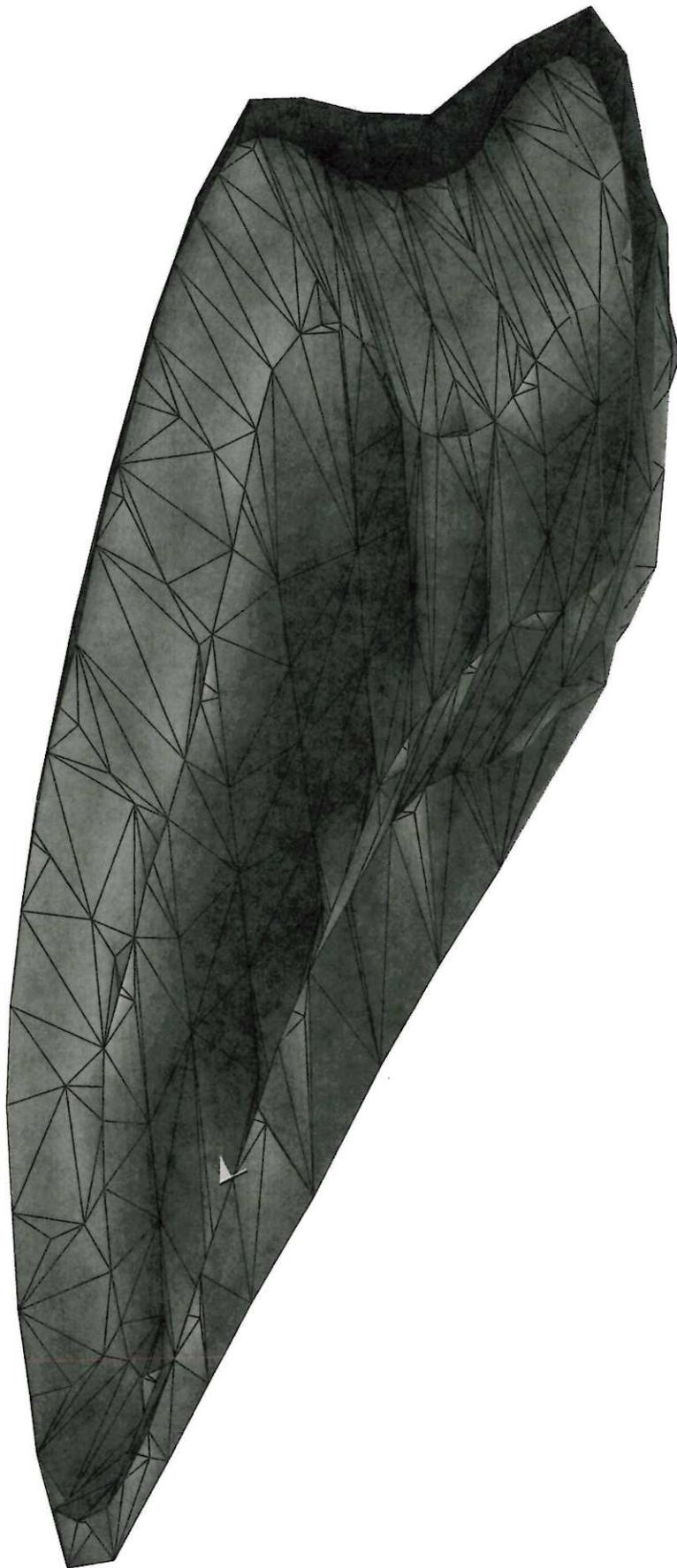
*Cole T. Hutson*

Atlas Technical Consultants, LLC

Texas Registered Engineering Firm F-19813

6/9/2022

These test represent only the materials tested which may or may not represent all materials placed. Atlas is testing at locations selected by the client and makes no warranties or guarantees of the materials not tested.





# **Attachment: 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

<b>1. Reason for Submission</b> (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
<b>2. Customer Reference Number</b> (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	<b>3. Regulated Entity Reference Number</b> (if issued)
CN 605480086		RN 110288503

## SECTION II: Customer Information

<b>4. General Customer Information</b>		<b>5. Effective Date for Customer Information Updates</b> (mm/dd/yyyy)	
<input type="checkbox"/> New Customer		<input checked="" type="checkbox"/> Update to Customer Information	
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)		<input type="checkbox"/> Change in Regulated Entity Ownership	
<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>			
<b>6. Customer Legal Name</b> (If an individual, print last name first: eg: Doe, John)		<i>If new Customer, enter previous Customer below:</i>	
Park Sewer Company			
<b>7. TX SOS/CPA Filing Number</b>	<b>8. TX State Tax ID</b> (11 digits)	<b>9. Federal Tax ID</b> (9 digits)	<b>10. DUNS Number</b> (if applicable)
802521790	32061315191	82-1932877	
<b>11. Type of Customer:</b>		Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited	
<input checked="" type="checkbox"/> Corporation		<input type="checkbox"/> Individual	
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:	
<b>12. Number of Employees</b>		<b>13. Independently Owned and Operated?</b>	
<input checked="" type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		<input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>14. Customer Role</b> (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following			
<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:			
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant			
<b>15. Mailing Address:</b> 2409 S County Road 1110			
City	Midland	State	TX
ZIP	79706	ZIP + 4	
<b>16. Country Mailing Information</b> (if outside USA)		<b>17. E-Mail Address</b> (if applicable)	
		jason.bethke@permian-water.com	

<b>18. Telephone Number</b> ( 602 ) 615-4532	<b>19. Extension or Code</b>	<b>20. Fax Number (if applicable)</b> ( ) -
-------------------------------------------------	------------------------------	------------------------------------------------

### SECTION III: Regulated Entity Information

<b>21. General Regulated Entity Information</b> (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 checked="" 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>								
<b>22. Regulated Entity Name</b> (Enter name of the site where the regulated action is taking place.)								
<b>23. Street Address of the Regulated Entity:</b>  (No PO Boxes)	2409 S County Road 1110							
	<b>City</b>	Midland	<b>State</b>	TX	<b>ZIP</b>	79706	<b>ZIP + 4</b>	
<b>24. County</b>								

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

<b>25. Description to Physical Location:</b>	1 MI northeast of the intersection of E County Road 120 and S County Road 1110								
<b>26. Nearest City</b>	Midland				<b>State</b>	TX	<b>Nearest ZIP Code</b>		79706
<i>Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).</i>									
<b>27. Latitude (N) In Decimal:</b>			<b>28. Longitude (W) In Decimal:</b>						
Degrees	Minutes		Seconds		Degrees	Minutes		Seconds	
32	00		3.18		101	55		27.73	
<b>29. Primary SIC Code</b> (4 digits)	<b>30. Secondary SIC Code</b> (4 digits)		<b>31. Primary NAICS Code</b> (5 or 6 digits)			<b>32. Secondary NAICS Code</b> (5 or 6 digits)			
4952			221320						
<b>33. What is the Primary Business of this entity?</b> (Do not repeat the SIC or NAICS description.)									
Wastewater treatment									
<b>34. Mailing Address:</b>	2409 S County Road 1110								
	<b>City</b>	Midland	<b>State</b>	TX	<b>ZIP</b>	79706	<b>ZIP + 4</b>		
<b>35. E-Mail Address:</b>	jason.bethke@permian-water.com								
<b>36. Telephone Number</b>	<b>37. Extension or Code</b>			<b>38. Fax Number (if applicable)</b>					
( 482 ) 252-2189				( ) -					

**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:
	WQ0015661001			

**SECTION IV: Preparer Information**

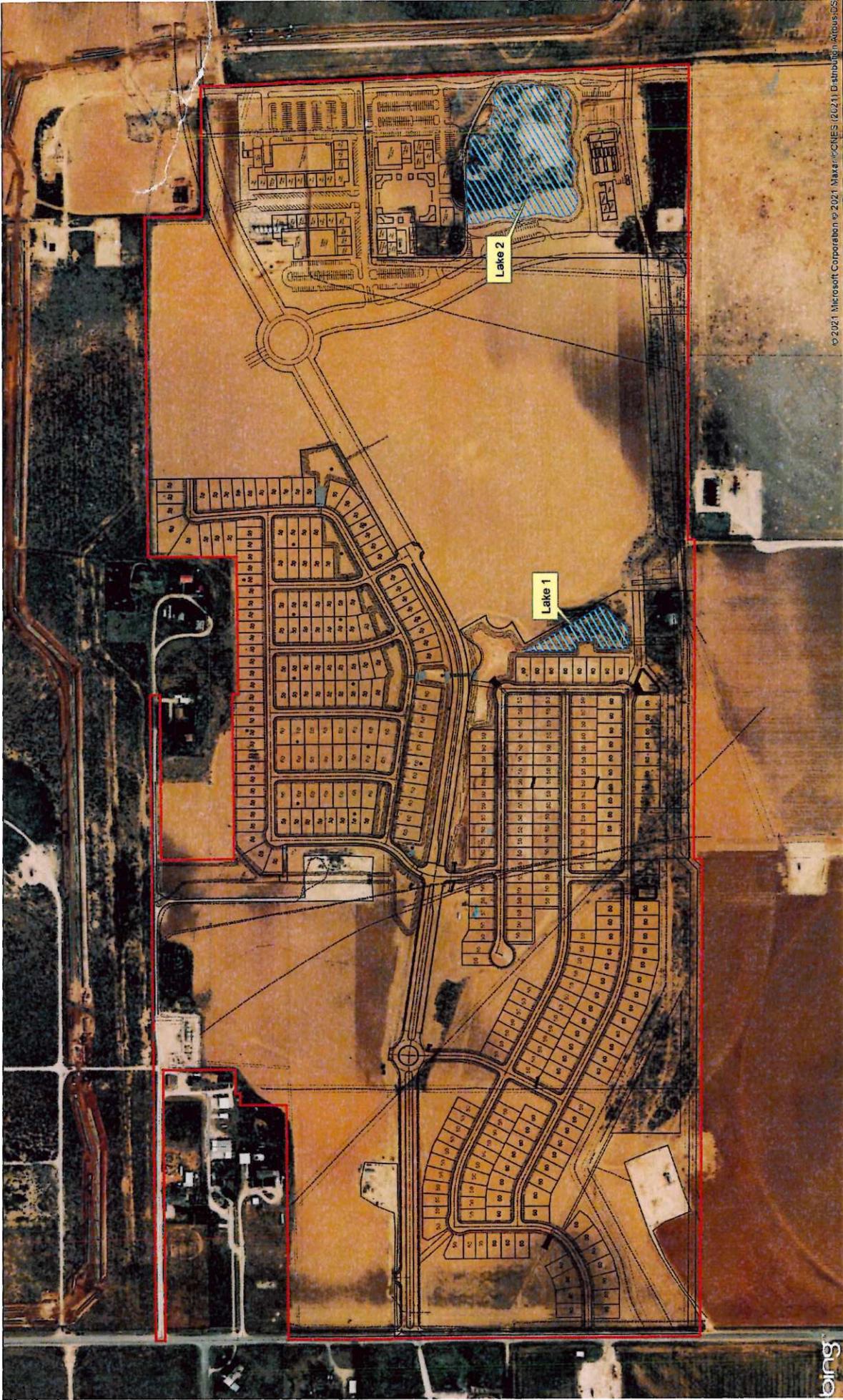
<b>40. Name:</b>	Jason Bethke	<b>41. Title:</b>	CEO
<b>42. Telephone Number</b>	<b>43. Ext./Code</b>	<b>44. Fax Number</b>	<b>45. E-Mail Address</b>
( 482 ) 252-2189		( ) -	jason.bethke@permian-water.com

**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.

<b>Company:</b>	Park Sewer Company	<b>Job Title:</b>	CEO
<b>Name (In Print):</b>	Jason Bethke	<b>Phone:</b>	( 482 ) 252- 2189
<b>Signature:</b>		<b>Date:</b>	8/2/2024

# **Attachment: Reclaimed Ponds Map**



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Midland County, Texas

Park Water Company

Reclaimed Water Storage Pond

# **Attachment: Public Involvement Plan**



Texas Commission on Environmental Quality

## Public Involvement Plan Form for Permit and Registration Applications

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

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

### Section 1. Preliminary Screening

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

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

### Section 2. Secondary Screening

- Requires public notice,  
 Considered to have significant public interest, **and**  
 Located within any of the following geographical locations:
- Austin
  - Dallas
  - Fort Worth
  - Houston
  - San Antonio
  - West Texas
  - Texas Panhandle
  - Along the Texas/Mexico Border
  - Other geographical locations should be decided on a case-by-case basis

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

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

The Park Water WWTF is located in an underdeveloped and rural area of Midland County in Texas.

### Section 3. Application Information

#### Type of Application (check all that apply):

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

#### Water Quality

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

#### Water Rights New Permit

- New Appropriation of Water
- New or existing reservoir

#### Amendment to an Existing Water Right

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

### Section 4. Plain Language Summary

Provide a brief description of planned activities.

## Section 5. Community and Demographic Information

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

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

(City)

(County)

(Census Tract)

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

City

County

Census Tract

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

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

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

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

(e) Languages commonly spoken in area by percentage

(f) Community and/or Stakeholder Groups

(g) Historic public interest or involvement

## Section 6. Planned Public Outreach Activities

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

Yes  No

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

Yes  No

If Yes, please describe.

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

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

Yes  No

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

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

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

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

Yes  No

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

Yes  No

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

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

## Section 7. Voluntary Submittal

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

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

Yes  No

What types of notice will be provided?

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

Park Sewer Company, 2409 South County Road 1110, Midland, Texas 79706, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0015661001 (EPA I.D. No. TX0138363) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 360,000 gallons per day. The domestic wastewater treatment facility is located 1.0-mile northeast of the intersection of East County Road 120 and South County Road 1110 in Midland County Texas 79706. The discharge route is from the plant site via pipe discharging to Midland Draw thence to Johnson Draw, thence to Mustang Draw, thence to Beals Creek, thence to Colorado River Below Lake J.B. Thomas in Segment No. 1412 of the Colorado River Basin. TCEQ received this application on August 7, 2024. The permit application will be available for viewing and copying at Midland County Public Library, 301 West Missouri Avenue, Midland, in Midland County, Texas prior to the date this notice is published in the newspaper.

The application, including any updates, and associated notices are available electronically at the following webpage: <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-101.923888,32.000555&level=18>

Further information may also be obtained from Park Sewer Company at the address stated above or by calling Mr. Jason Bethke, MBA, CEO/Park Sewer Company, at 432-664-2376.

## Francesca Findlay

---

**From:** WQ-ARPTeam  
**Sent:** Friday, August 9, 2024 11:19 AM  
**To:** Francesca Findlay  
**Subject:** FW: Returned Payment Notice - PARK WATER COMPANY

FYI, this is for WQ0015661001 assigned to you. Their payment did not go through.

---

**From:** Karen Reynosa <Karen.Reynosa@tceq.texas.gov>  
**Sent:** Friday, August 9, 2024 9:10 AM  
**To:** CINDY@INTREPID5.COM  
**Cc:** WQ-ARPTeam <WQ-ARPTeam@tceq.texas.gov>  
**Subject:** Returned Payment Notice - PARK WATER COMPANY

### RETURNED PAYMENT NOTICE

**Account # WQP; \$1300.00; TRACE # 582EA000619928**  
**Account # PTGQ; \$65.00; TRACE # 582EA000619928**

Good morning,

The above referenced payment was returned to the Texas Commission on Environmental Quality (TCEQ) by your bank for "No Account/Unable to Locate Account". Contacting your financial institution may be helpful in understanding the reason for the return. If you have not already done so, promptly re-submit your payment in the form of a cashier's check or money order referencing the above account information to:

TCEQ, Cashier's Office, MC 214, P. O. Box 13088, Austin, Texas 78711-3088.

To assess the status of your account due to non-payment of the required fee(s), please contact the program area responsible for processing your paperwork.

Should you have any questions regarding the return, please reply all to this email as it is difficult to reach me by phone.

Respectfully,

*Karen L. P. Reynosa*

Karen L. P. Reynosa, CPM  
Financial Administration Division  
Texas Commission on Environmental Quality  
12100 Park 35 Circle, Bldg. A  
Austin, Texas 78753 MC – 214  
[Karen.Reynosa@TCEQ.Texas.gov](mailto:Karen.Reynosa@TCEQ.Texas.gov)  
Ext: (512) 239-3116  
Fax: (512) 239-0364

*\*Teleworking until further notice. Please contact me by email.\**

 Please consider whether it is necessary to print this e-mail



## Francesca Findlay

---

**From:** Judah Tressler <jtressler@integratedwaterservices.com>  
**Sent:** Tuesday, August 13, 2024 2:41 PM  
**To:** Francesca Findlay  
**Cc:** Kellen Livingston  
**Subject:** NOD Response for Permit No: WQ0015661001 (EPA I.D. No. TX0138363).  
**Attachments:** Municipal Discharge Renewal Spanish NORI Park Water.pdf; Park WWTP Nori Markup.docx; USGS Topo.zip

Dear Miss Findlay,

I hope this email finds you well.

Please find our response to the NOD we received on 08/12/24 for Permit No: WQ0015661001 (EPA I.D. No. TX0138363).

1. Core Data Form, Section I, item 15: Please verify that this is the correct mailing address.

*We verify that 2409 S County Road 1110 Midland TX 79706 is indeed the correct mailing address.*

2. Core Data Form, Section III, item 23,25: Please verify which address you would like to use for the Plant, the street address or the physical location.

*Kindly use the physical location (item 25 in the Core Data Form) as stated on the original permit to fulfill this query.*

**is authorized to treat and discharge wastes from the  
Facility, SIC Code 4952**

**located approximately 1.0 mile northeast of the inter**

3. Administrative Report, USGS map: Please provide the map with a higher resolution. The maps are too small, making the text, map and stream characteristics difficult to read. This may be because the maps have been scaled down.

*The maps were scaled down for printing purposes. We have attached the full size USGS Map here for*

*your perusal. The file has been attached as both a zip file and as a link for redundancy.*

[Topo.pdf](#)



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

*Please find the markups on the NORI attached in image format below:*

Mr. Jason Bethke, MBA  
Page 2  
August 12, 2024  
Permit No. WQ0015661001

located  
the inter  
Road 12  
Road 11  
Texas 7

**APPLICATION.** Park Sewer Company, 2409 South County Road 1110, Midland, Texas, has applied to the Texas Commission on Environmental Quality (TCEQ) to receive a Pollutant Discharge Elimination System (TPDES) Permit No. WQ0015661001 (TX0138363) to authorize the discharge of treated wastewater at a volume of 360,000 gallons per day. The domestic wastewater treatment plant is located at ~~2409 South County Road 1110, near the city of Midland, in Midland, Texas 79706.~~ The discharge route from the plant site ~~is located approximately 1.6 miles north of the intersection of East County Road 120 and South County Road 1110.~~ The permit application was filed with TCEQ on August 7, 2024. The permit application will be available for public review and copying at Midland County Public Library, 301 West Missouri Avenue, Midland, Texas, prior to the date this notice is published in the newspaper. The permit application, including any updates, and associated notices are available electronically at ~~the following link: https://www.tceq.texas.gov/permits/tpdes/tpdes\_permitting.aspx~~ to Midland Draw, thence to Johnson Draw, thence to Mustang Draw, thence to Reservoir 1.

*We have also attached the corrected version as a docx file for your review.*

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

*We have attached the Spanish Translation of the NORI for your perusal based on the template that was provided by the TCEQ.*

*The Client has requested to change his number to the office line on the public notices to 432-664-2376. We have updated this on the NORI amendments in the English and Spanish translations.*

Let us know if you have any questions or need any additional information.

Yours sincerely,



**Judah Tressler**  
Engineer (EIT)

**Phone:** (321)-367-7725

Integrated Water Services, Inc.  
4001 N Valley Drive  
Longmont, CO 80504

<https://integratedwaterservices.com/>

[Water and  
Wastewater  
Treatment -  
Integrated Water  
Services](#)



Integrated Water Services, Inc. (IWS) provides complete wastewater and water treatment solutions for our customers throughout the western US. IWS leverages its extensive experience in permitting, design, construction, and project management to provide innovative, cost-effective water and wastewater treatment facilities for commercial and residential developments, municipalities, districts and ...

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