



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 **

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

This template is a guide to assist applicant's in developing a plain language summary as required by 30 Texas Administrative Code Chapter 39 Subchapter H. Applicant's 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 Texas Administrative Code §39.426, **you must provide a translated copy of the completed plain language summary in the appropriate alternative language as part of your application package**. For your convenience, a Spanish template has been provided below.

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS INDUSTRIAL 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 Texas Administrative Code Chapter 39. The information provided in this summary may change during the technical review of the application and are not federal enforceable representations of the permit application.

Pilgrim's Pride Corporation (CN601276660) operates the Pilgrim's Pride Southwest Wastewater Treatment Plant RN102184041, a wastewater treatment plant treating industrial wastewater from poultry processing operations and a number of private residences. The facility is located at 664 FM 127 W, in Mt. Pleasant, Titus County, Texas 75455. This application is for a renewal of Wastewater Permit W0003017000 to discharge 3,500,000 gallons per day of treated effluent via Outfall 001.

Discharges from the facility are expected to contain pollutants listed in 40 CFR Part 432 including: 5-day biochemical oxygen demand, fecal coliform, oil and grease, total suspended solids, ammonia, total nitrogen, pH, and temperature. Additional potential pollutants from this discharge are included in the Industrial Wastewater Application Technical Report, Worksheet 2.0. Wastewater treated at this facility consists of a combination of process wastewaters from poultry first and further processing and protein conversion (rendering) operations along with industrial stormwater discharges from these operations and sanitary wastewater from a small number of private residences. Wastewater from these sources is treated by initial screening, biological treatment via anaerobic, anoxic/oxic, and aeration basins/lagoons, final clarification, tertiary filtration, chlorination, and dechlorination prior to discharge.

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

AGUAS RESIDUALES INDUSTRIALES/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 son representaciones federales exigibles de la solicitud de permiso.

Pilgrim's Pride Corporation (CN601276660) opera la planta de tratamiento de aguas residuales de Pilgrim's Pride Southwest RN102184041, una planta de tratamiento de aguas residuales que trata las aguas residuales industriales de las operaciones de procesamiento de aves y varias residencias privadas. La instalación está ubicada en 664 FM 127 W, en Mt. Pleasant, condado de Titus, Texas 75455. Esta solicitud es para renovar el permiso de aguas residuales W0003017000 para descargar 3,500,000 galones por día de efluentes tratados a través del Outfall 001.

Se espera que las descargas de la instalación contengan contaminantes enumerados en 40 CFR Part 432, que incluyen: demanda bioquímica de oxígeno de 5 días, coliformes fecales, aceite y grasa, sólidos suspendidos totales, amoníaco, nitrógeno total, pH y temperatura. Los posibles contaminantes adicionales de esta descarga se incluyen en el Industrial Wastewater Application Technical Report, Worksheet 2.0. Las aguas residuales tratadas en esta instalación son una combinación de aguas residuales de proceso de las operaciones de conversión (rendimiento) de proteínas y primer procesamiento de aves de corral junto con descargas de aguas pluviales industriales de estas operaciones y aguas residuales sanitarias de una pequeña cantidad de residencias privadas. Las aguas residuales de estas fuentes son tratadas mediante procesos físicos/químicos y biológicos de tratamiento de aguas residuales.

INSTRUCTIONS

1. Enter the name of applicant in this section. The applicant name should match the name associated with the customer number.
2. Enter the Customer Number in this section. Each Individual or Organization is issued a unique 11-digit identification number called a CN (e.g. CN123456789).
3. Choose "operates" in this section for existing facility applications or choose "proposes to operate" for new facility applications.
4. Enter the name of the facility in this section. The facility name should match the name associated with the regulated entity number.
5. Enter the Regulated Entity number in this section. Each site location is issued a unique 11-digit identification number called an RN (e.g. RN123456789).
6. Choose the appropriate article (a or an) to complete the sentence.
7. Enter a description of the facility in this section. For example: steam electric generating facility, nitrogenous fertilizer manufacturing facility, etc.
8. Choose "is" for an existing facility or "will be" for a new facility.
9. Enter the location of the facility in this section.
10. Enter the City nearest the facility in this section.
11. Enter the County nearest the facility in this section.
12. Enter the zip code for the facility address in this section.



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

PERMIT NO. WQ0014625001

APPLICATION. Generation Park Management District, 1300 Post Oak Boulevard, Suite 2400, Houston, Texas 77056, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0014625001 (EPA I.D. No. TX0127981) to authorize the discharge of treated wastewater at a volume not to exceed an annual average flow of 2,800,000 gallons per day. The domestic wastewater facility is located at 13939 Lockwood Road, in the city of Houston, in Harris County, Texas 77044. The discharge route is from the plant site to a Harris County Flood Control District Ditch; thence to Greens Bayou Above Tidal. TCEQ received this application on August 30, 2024. The permit application will be available for viewing and copying at TCEQ Region 12 Office, reception area, 5425 Polk Street, Houston, 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=-95.21361,29.923611&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. Search the database using the permit number for this application, which is provided at the top of this notice.

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

Further information may also be obtained from Generation Park Management District at the address stated above or by calling Mr. Vernon Webb II, P.E., District Engineer, IDS Engineering Group, at 832-590-7210.

Issuance Date: October 11, 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. WQ0014625001

SOLICITUD. Generation Park Management District, 1300 Post Oak Boulevard, Suite 2400, Houston, Texas 77056 ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0014625001 (EPA I.D. No. TX0127981) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 2,800,000 galones por día. La planta está ubicada 13939 Lockwood Road, Houston, en el Condado de Harris, Texas 77044. La ruta de descarga es desde el sitio de la planta hasta la zanja del Distrito de Control de Inundaciones del Condado de Harris; de allí a Greens Bayou por encima de la marea. La TCEQ recibió esta solicitud el 30 de Agosto de 2024. La solicitud para el permiso está disponible para leerla y copiarla en Oficina de la Región 12 de TCEQ, área de recepción, 5424 Polk Street, Houston, 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=-95.21361,29.923611&level=18>

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

COMENTARIO PUBLICO / REUNION PUBLICA. Usted puede presentar

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

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

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

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

estará limitado a cuestiones de hecho en disputa o cuestiones mixtas de hecho y de derecho relacionadas a intereses pertinentes y materiales de calidad del agua que se hayan presentado durante el período de comentarios. Si ciertos criterios se cumplen, la TCEQ puede actuar sobre una solicitud para renovar un permiso sin proveer una oportunidad de una audiencia administrativa de lo contencioso.

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

CONTACTOS E INFORMACIÓN DE LA TCEQ. Todos los comentarios escritos del público y los para pedidos una reunión deben ser presentados a la Oficina del Secretario Principal, MC 105, TCEQ, P.O. Box 13087, Austin, TX 78711-3087 o por el internet at www.tceq.texas.gov/about/comments.html.

Tenga en cuenta que cualquier información personal que usted proporcione, incluyendo su nombre, número de teléfono, dirección de correo electrónico y dirección física pasarán a formar parte del registro público de la Agencia. Si necesita más información en Español sobre esta solicitud para un permiso o el proceso del permiso, por favor llame a El Programa de Educación Pública de la TCEQ, sin cobro, al 1-800-687-4040. La información general sobre la TCEQ puede ser encontrada en nuestro sitio de la red: www.tceq.texas.gov.

También se puede obtener información adicional del Generation Park Management District a la dirección indicada arriba o llamando a Mr. Vernon Webb, II, P.E., Ingeniero de Distrito, IDS Engineering Group al 832-590-7210.

Fecha de emisión 11 de octubre de 2024

Texas Commission on Environmental Quality



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

RENEWAL

PERMIT NO. WQ0014625001

APPLICATION AND PRELIMINARY DECISION. Generation Park Management District, 1300 Post Oak Boulevard, Suite 2400, Houston, Texas 77056, has applied to the Texas Commission on Environmental Quality (TCEQ) for a renewal of Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0014625001, which authorizes the discharge of treated domestic wastewater at an annual average flow not to exceed 2,800,000 gallons per day. TCEQ received this application on August 30, 2024.

The facility is located at 13939 Lockwood Road, near the City of Houston, in Harris County, Texas 77044. The treated effluent is discharged to a Harris County Flood Control District ditch P127-00-00, thence to Greens Bayou Above Tidal in Segment No. 1016 of the San Jacinto River Basin. The unclassified receiving water uses are minimal aquatic life use for Harris County Flood Control District ditch P127-00-00 and limited aquatic life use for Harris County Flood Control District ditch P127-00-00 (after confluence with Harris County Flood Control District ditch P127-03-00). The designated uses for Segment No. 1016 are primary contact recreation and limited aquatic life use. 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=-95.21361,29.923611&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 TCEQ Region 12 Office, reception area, 5425 Polk Street, Houston, 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: [Pending Application Information: TPDES \(Treated Wastewater Discharge Permits\) - Texas Commission on Environmental Quality - www.tceq.texas.gov](https://www.tceq.texas.gov/permitting/wastewater/plain-language-summaries-and-public-notices).

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

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

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

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

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

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

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

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

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

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

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

Further information may also be obtained from Generation Park Management District at the address stated above or by calling Mr. Vernon Webb II, P.E., District Engineer, IDS Engineering Group, at 832-590-7210.

Issuance Date: June 6, 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. WQ0014625001

SOLICITUD Y DECISIÓN PRELIMINAR. **Generation Park Management District, 1300 Post Oak Boulevard, Suite 2400, Houston, Texas 77056**, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) una renovación para autorizar que autoriza la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 2,800,000 galones por día. La TCEQ recibió esta solicitud el 30 de agosto de 2024.

La planta está ubicada en 13939 Lockwood Road, Houston, en el Condado de Harris, Texas 77044. El efluente tratado es descargado al Drenaje del Distrito de Control de Inundaciones del Condado de Harris P127-00-00, de ahí a Greens Bayou por encima de la marea en el Segmento No. 1016 de la Cuenca del Río San Jacinto. Los usos no clasificados de las aguas receptoras son no significativos usos de la vida acuática para al Drenaje del Distrito de Control de Inundaciones del Condado de Harris P127-00-00 y limitados usos de vida acuática para al Drenaje del Distrito de Control de Inundaciones del Condado de Harris P127-00-00 (después de la confluencia con al Drenaje del Distrito de Control de Inundaciones del Condado de Harris P127-03-00). Los usos designados para el Segmento No. 1016 son *recreación de contacto primario y limitados de vida acuática*.

El Director Ejecutivo de la TCEQ ha completado la revisión técnica de la solicitud y ha preparado un borrador del permiso. El borrador del permiso, si es aprobado, establecería las condiciones bajo las cuales la instalación debe operar. El Director Ejecutivo ha tomado una decisión preliminar que si este permiso es emitido, cumple con todos los requisitos normativos y legales. La solicitud del permiso, la decisión preliminar del Director Ejecutivo y el borrador del permiso están disponibles para leer y copiar en la oficina de la región 12 de TCEQ, área de recepción, 5425 Polk Street, Houston, 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=-95.21361,29.923611&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. 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 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. 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. Si desea información en español, puede llamar al 1-800-687-4040.

También se puede obtener información adicional del Generation Park Management District a la dirección indicada arriba o llamando a Mr. Vernon Webb II, P.E., Ingeniero de Distrito, IDS Engineering Group, al 832-590-7210.

Fecha de emission: 6 de junio de 2025



TPDES PERMIT NO.
WQ0014625001
*[For TCEQ office use only - EPA I.D.
No. TX0127981]*

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

This is a renewal that replaces TPDES
Permit No. WQ0014625001 issued on
March 4, 2020.

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

Generation Park Management District

whose mailing address is

1300 Post Oak Boulevard, Suite 2400,
Houston, Texas 77056

is authorized to treat and discharge wastes from the Generation Park Management District West
Wastewater Treatment Facility, SIC Code 4952

located at 13939 Lockwood Road, near the City of Houston, in Harris County, Texas 77044

to a Harris County Flood Control District ditch P127-00-00, thence to Greens Bayou Above
Tidal in Segment No. 1016 of the San Jacinto River Basin

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

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

ISSUED DATE:

For the Commission

INTERIM I EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTSOutfall Number 001

1. During the period beginning upon the date of issuance and lasting through the completion of expansion to the 0.7 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 0.64 MGD, nor shall the average discharge during any two-hour period (2-hour peak) exceed 1,778 gallons per minute.

Effluent Characteristic	Discharge Limitations				Min. Self-Monitoring Requirements	
	Daily Avg	7-day Avg	Daily Max	Single Grab	Report Daily Avg. & Daily Max.	
	mg/l (lbs/day)	mg/l	mg/l	mg/l	Measurement Frequency	Sample Type
Flow, MGD	Report	N/A	Report	N/A	Continuous	Totalizing Meter
Carbonaceous Biochemical Oxygen Demand (5-day)	10 (53)	15	25	35	One/week	Composite
Total Suspended Solids	15 (80)	25	40	60	One/week	Composite
Ammonia Nitrogen	3 (16)	6	10	15	One/week	Composite
Total Copper	0.0151 (0.080)	N/A	0.032	0.0528	Two/month	Composite
Total Kjeldahl Nitrogen*	Report (Report)	N/A	Report	N/A	One/week	Composite
<i>E. coli</i> , colony-forming units or most probable number per 100 ml	63	N/A	200	N/A	Two/month	Grab

***See Other Requirement No. 5 on page 34.**

- The effluent shall contain a total chlorine residual of at least 1.0 mg/l after a detention time of at least 20 minutes (based on peak flow) and shall be monitored daily by grab sample at each chlorine contact chamber. The permittee shall dechlorinate the chlorinated effluent to less than 0.1 mg/l total chlorine residual and shall monitor total chlorine residual daily by grab sample after the dechlorination process. An equivalent method of disinfection may be substituted only with prior approval of the Executive Director.
- The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored twice per month by grab sample.
- There shall be no discharge of floating solids or visible foam in other than trace amounts and no discharge of visible oil.
- Effluent monitoring samples shall be taken at the following location(s): Following the final treatment unit.
- The effluent shall contain a minimum dissolved oxygen of 4.0 mg/l and shall be monitored twice per week by grab sample.

INTERIM II EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTSOutfall Number 001

1. During the period beginning upon the completion of expansion to the 0.7 million gallons per day (MGD) and lasting through the completion of expansion to the 2.8 MGD facility, the permittee is authorized to discharge subject to the following effluent limitations:

The daily average flow of effluent shall not exceed 0.7 MGD, nor shall the average discharge during any two-hour period (2-hour peak) exceed 1,944 gallons per minute.

Effluent Characteristic	Discharge Limitations				Min. Self-Monitoring Requirements	
	Daily Avg	7-day Avg	Daily Max	Single Grab	Report Daily Avg. & Daily Max.	
	mg/l (lbs/day)	mg/l	mg/l	mg/l	Measurement Frequency	Sample Type
Flow, MGD	Report	N/A	Report	N/A	Continuous	Totalizing Meter
Carbonaceous Biochemical Oxygen Demand (5-day)	10 (58)	15	25	35	One/week	Composite
Total Suspended Solids	15 (87)	25	40	60	One/week	Composite
Ammonia Nitrogen	3 (17)	6	10	15	One/week	Composite
Total Copper	0.0151 (0.09)	N/A	0.032	0.0528	Two/month	Composite
Total Kjeldahl Nitrogen*	Report(Report)	N/A	Report	N/A	One/week	Composite
<i>E. coli</i> , colony-forming units or most probable number per 100 ml	63	N/A	200	N/A	Two/month	Grab

***See Other Requirement No. 5 on page 34.**

- The effluent shall contain a total chlorine residual of at least 1.0 mg/l after a detention time of at least 20 minutes (based on peak flow) and shall be monitored daily by grab sample. The permittee shall dechlorinate the chlorinated effluent to less than 0.1 mg/l total chlorine residual and shall monitor total chlorine residual daily by grab sample after the dechlorination process. An equivalent method of disinfection may be substituted only with prior approval of the Executive Director.
- The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored twice per month by grab sample.
- There shall be no discharge of floating solids or visible foam in other than trace amounts and no discharge of visible oil.
- Effluent monitoring samples shall be taken at the following location(s): Following the final treatment unit.
- The effluent shall contain a minimum dissolved oxygen of 4.0 mg/l and shall be monitored twice per week by grab sample.

FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTSOutfall Number 001

1. During the period beginning upon the completion of expansion to the 2.8 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 annual average flow of effluent shall not exceed 2.8 MGD, nor shall the average discharge during any two-hour period (2-hour peak) exceed 7,778 gallons per minute.

Effluent Characteristic	Discharge Limitations				Min. Self-Monitoring Requirements	
	Daily Avg mg/l (lbs/day)	7-day Avg mg/l	Daily Max mg/l	Single Grab mg/l	Report Daily Avg. & Daily Max. Measurement Frequency	Sample Type
Flow, MGD	Report	N/A	Report	N/A	Continuous	Totalizing Meter
Carbonaceous Biochemical Oxygen Demand (5-day)	10 (234)	15	25	35	Two/week	Composite
Total Suspended Solids	15 (350)	25	40	60	Two/week	Composite
Ammonia Nitrogen	3 (70)	6	10	15	Two/week	Composite
Total Copper	0.0151 (0.353)	N/A	0.032	0.0528	One/week	Composite
Total Kjeldahl Nitrogen*	Report (Report)	N/A	Report	N/A	One/week	Composite
<i>E. coli</i> , colony-forming units or most probable number per 100 ml	63	N/A	200	N/A	One/week	Grab

***See Other Requirement No. 5 on page 34.**

2. The effluent shall contain a total chlorine residual of at least 1.0 mg/l after a detention time of at least 20 minutes (based on peak flow) and shall be monitored daily by grab sample. The permittee shall dechlorinate the chlorinated effluent to less than 0.1 mg/l total chlorine residual and shall monitor total chlorine residual daily by grab sample after the dechlorination process. An equivalent method of disinfection may be substituted only with prior approval of the Executive Director.
3. The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored once per week 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 twice per week by grab sample.
7. The annual average flow and maximum 2-hour peak flow shall be reported monthly.

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 Compliance Monitoring Team of 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 Compliance

Monitoring Team of 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 Compliance Monitoring Team of 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 Compliance Monitoring Team of 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 Compliance Monitoring Team of 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 Compliance Monitoring Team of 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 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 annually 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 12) 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. This annual report shall be submitted to the TCEQ Regional Office (MC Region 12) and the Compliance Monitoring Team (MC 224) of the Enforcement Division by September 30th of each year. The permittee must submit this annual report using the online electronic reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver.

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

TABLE 1

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

* Dry weight basis

3. Pathogen Control

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

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

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

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

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

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

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

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

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

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

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

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

criteria.

Alternative 1

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

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

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

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

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

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

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

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

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

- viii. Public access to land with a low potential for public exposure shall be restricted for 30 days after application of biosolids.
 - ix. Land application of biosolids shall be in accordance with the buffer zone requirements found in 30 TAC § 312.44.
4. Vector Attraction Reduction Requirements

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

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

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

Alternative 9 -

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

Alternative 10 -

- i. Biosolids applied to the land surface or placed on a surface disposal site shall be incorporated into the soil within six hours after application to or placement on the land.
- ii. When biosolids that 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	- annually
PCBs	- annually

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

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

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

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

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

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

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

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

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

A. Pollutant Limits

Table 2

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

Table 3

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

*Dry weight basis

B. Pathogen Control

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

C. Management Practices

1. Bulk biosolids shall not be applied to agricultural land, forest, a public contact site, or a reclamation site that is flooded, frozen, or snow-covered so that the bulk sewage sludge enters a wetland or other waters in the State.
2. Bulk biosolids not meeting Class A 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 report annually to the TCEQ Regional Office (MC Region 12) and Compliance Monitoring Team (MC 224) of the Enforcement Division, by September 30th of each year the following information. The permittee must submit this annual report using the online electronic reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver.

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

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

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

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

- A. The permittee shall handle and dispose of sewage sludge or biosolids in accordance with 30 TAC § 330 and all other applicable state and federal regulations to protect public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants that may be present. The permittee shall ensure that the sewage sludge meets the requirements in 30 TAC § 330 concerning the quality of the sludge or biosolids disposed in a municipal solid waste landfill.
- B. If the permittee generates sewage sludge 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 annually 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 12) 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 12) and the Compliance Monitoring Team (MC 224) of the Enforcement Division 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 report annually to the TCEQ Regional Office (MC Region 12) and Compliance Monitoring Team (MC 224) of the Enforcement Division by September 30th of each year the following information. The permittee must submit this annual report using the online electronic reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver.

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

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

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

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

A. General Requirements

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

B. Record Keeping Requirements

1. For sludge 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 report the following information annually to the TCEQ Regional Office (MC Region 12) and Compliance Monitoring Team (MC 224) of the Enforcement Division, by September 30th of each year. The permittee must submit this annual report using the online electronic reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver.

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.

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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 for the Interim I and Interim II phases and Category B for the Final phase facility must be operated by a chief operator or an operator holding a Class C for the Interim I and II phases and Class B for the Final phase 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. There is no mixing zone established for this discharge to an intermittent stream. Acute toxic criteria apply at the point of discharge.
4. The permittee shall make provisions in the design of these facilities for the addition of effluent filters if future studies of the Houston Ship Channel show filtration to be necessary as an additional waste treatment process.
5. Reporting and monitoring requirements pursuant to 30 TAC §§ 319.1-319.11 for Total Kjeldahl Nitrogen (TKN) are suspended from the effective date of this permit. The Executive Director may request resumption of reporting and monitoring requirements within forty-five (45) days of written notice to the permittee.
6. The permittee has submitted sufficient evidence of legal restrictions prohibiting residential structures within the part of the buffer zone not owned by the permittee according to 30 TAC § 309.13(e)(3) for the Interim I, Interim II and Final phases. The evidence of legal restrictions shall be submitted to the Executive Director in care of the TCEQ Wastewater Permitting Section (MC 148). The permittee shall comply with the requirements of 30 TAC § 309.13(a) through (d). (See Attachments A, B, and C.)
7. The permittee shall provide facilities for the protection of its wastewater treatment facility from a 100-year flood.
8. 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, two/month may be reduced to one/month in the Interim I phase and Interim II phase, and one/week may be reduced to two/month in the Final phase. **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.

9. Prior to construction of the Interim II phase and the Final phase 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 Pages 2a and 2b of this permit. A copy of the summary transmittal letter shall be available at the plant site for inspection by authorized representatives of the TCEQ.

Plans and specifications have been approved for the 0.64 MGD wastewater treatment facility, in accordance with 30 TAC § 217, Design Criteria for Domestic Wastewater Systems. A summary transmittal approval letter was issued May 25, 2021 (Log No. 0421/098).

10. Violations of daily maximum limitations for the following pollutant shall be reported orally or by facsimile to TCEQ Region 12 within 24 hours from the time the permittee becomes aware of the violation followed by a written report within five working days to TCEQ Region 12 and the Enforcement Division (MC 224).

<u>POLLUTANT</u>	<u>MAL, µg/L</u>
Total Copper	2

Test methods utilized shall be sensitive enough to demonstrate compliance with the permit effluent limitations. Permit compliance/noncompliance determinations will be based on the effluent limitations contained in this permit with consideration given to the MAL for the parameters specified above.

When an analysis of an effluent sample for any of the parameters listed above indicates no detectable levels above the MAL and the test method detection level is as sensitive as the specified MAL, a value of zero (o) shall be used for that measurement when determining calculations and reporting requirements for the self-reporting form. This applies to determinations of daily maximum concentration, calculations of loading and daily averages, and other reportable results.

When a reported value is zero (o) based on this MAL provision, the permittee shall submit the following statement with the self-reporting form either as a separate attachment to the form or as a statement in the comments section of the form.

"The reported value(s) of zero (o) for [list parameter(s)] on the self-reporting form for [monitoring period date range] is based on the following conditions: 1) the analytical

method used had a method detection level as sensitive as the MAL specified in the permit, and 2) the analytical results contained no detectable levels above the specified MAL."

When an analysis of an effluent sample for a parameter indicates no detectable levels and the test method detection level is not as sensitive as the MAL specified in the permit, or an MAL is not specified in the permit for that parameter, the level of detection achieved shall be used for that measurement when determining calculations and reporting requirements for the self-reporting form. A zero (0) may not be used.

11. The permittee shall notify the TCEQ Regional Office (MC Region 12) and the Applications Review and Processing Team (MC 148) of the Water Quality Division, as well as the Harris County Pollution Control Services Department, in writing at least forty-five days prior to the completion of the Interim II and Final phases facilities on Notification of Completion Form 20007.

CONTRIBUTING INDUSTRIES AND PRETREATMENT REQUIREMENTS

1. The following pollutants may not be introduced into the treatment facility:
 - a. Pollutants which create a fire or explosion hazard in the publicly owned treatment works (POTW), including, but not limited to, waste streams with a closed-cup flash point of less than 140° Fahrenheit (60° Celsius) using the test methods specified in 40 CFR § 261.21;
 - b. Pollutants which will cause corrosive structural damage to the POTW, but in no case shall there be discharges with a pH lower than 5.0 standard units, unless the works are specifically designed to accommodate such discharges;
 - c. Solid or viscous pollutants in amounts which will cause obstruction to the flow in the POTW, resulting in Interference;
 - d. Any pollutant, including oxygen-demanding pollutants (e.g., biochemical oxygen demand), released in a discharge at a flow rate and/or pollutant concentration which will cause Interference with the POTW;
 - e. Heat in amounts which will inhibit biological activity in the POTW, resulting in Interference, but in no case shall there be heat in such quantities that the temperature at the POTW treatment plant exceeds 104° Fahrenheit (40° Celsius) unless the Executive Director, upon request of the POTW, approves alternate temperature limits;
 - f. Petroleum oil, nonbiodegradable cutting oil, or products of mineral oil origin in amounts that will cause Interference or Pass Through;
 - g. Pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity that may cause acute worker health and safety problems; and
 - h. Any trucked or hauled pollutants except at discharge points designated by the POTW.
2. The permittee shall require any indirect discharger to the treatment works to comply with the reporting requirements of Sections 204(b), 307, and 308 of the Clean Water Act, including any requirements established under 40 CFR Part 403 [*rev. Federal Register/ Vol. 70/ No. 198/ Friday, October 14, 2005/ Rules and Regulations, pages 60134-60798*].
3. The permittee shall provide adequate notification to the Executive Director, care of the Wastewater Permitting Section (MC 148) of the Water Quality Division, within 30 days subsequent to the permittee's knowledge of either of the following:
 - a. Any new introduction of pollutants into the treatment works from an indirect discharger which would be subject to Sections 301 and 306 of the Clean Water Act if it were directly discharging those pollutants; and
 - b. Any substantial change in the volume or character of pollutants being introduced into the treatment works by a source introducing pollutants into the treatment works at the time of issuance of the permit.

Any notice shall include information on the quality and quantity of effluent to be introduced into the treatment works and any anticipated impact of the change on the quality or quantity of effluent to be discharged from the POTW.

Revised July 2007

BIOMONITORING REQUIREMENTS**CHRONIC BIOMONITORING REQUIREMENTS: FRESHWATER**

The provisions of this section apply to Outfall 001 for whole effluent toxicity (WET) testing.

1. **Scope, Frequency, and Methodology**

- a. The permittee shall test the effluent for toxicity in accordance with the provisions below. Such testing will determine if an appropriately dilute effluent sample adversely affects the survival, reproduction, or growth of the test organisms.
- b. Within 90 days of initial discharge of the 2.8 MGD facility, the permittee shall conduct the following toxicity tests using the test organisms, procedures, and quality assurance requirements specified in this part of this permit and in accordance with "Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms," fourth edition (EPA-821-R-02-013) or its most recent update:
 - 1) Chronic static renewal survival and reproduction test using the water flea (*Ceriodaphnia dubia*) (Method 1002.0). This test should be terminated when 60% of the surviving adults in the control produce three broods or at the end of eight days, whichever occurs first. This test shall be conducted once per quarter.
 - 2) Chronic static renewal 7-day larval survival and growth test using the fathead minnow (*Pimephales promelas*) (Method 1000.0). A minimum of five replicates with eight organisms per replicate shall be used in the control and in each dilution. This test shall be conducted once per quarter.

The permittee must perform and report a valid test for each test species during the prescribed reporting period. An invalid test must be repeated during the same reporting period. An invalid test is defined as any test failing to satisfy the test acceptability criteria, procedures, and quality assurance requirements specified in the test methods and permit.

- c. The permittee shall use five effluent dilution concentrations and a control in each toxicity test. These effluent dilution concentrations are 32%, 42%, 56%, 75%, and 100% effluent. The critical dilution, defined as 100% effluent, is the effluent concentration representative of the proportion of effluent in the receiving water during critical low flow or critical mixing conditions.
- d. This permit may be amended to require a WET limit, a chemical-specific effluent limit, a best management practice, or other appropriate actions to address toxicity. The permittee may be required to conduct a toxicity reduction evaluation (TRE) after multiple toxic events.
- e. Testing Frequency Reduction
 - 1) If none of the first four consecutive quarterly tests demonstrates

significant toxicity, the permittee may submit this information in writing and, upon approval, reduce the testing frequency to once per six months for the invertebrate test species and once per year for the vertebrate test species.

- 2) If one or more of the first four consecutive quarterly tests demonstrates significant toxicity, the permittee shall continue quarterly testing for that species until this permit is reissued. If a testing frequency reduction had been previously granted and a subsequent test demonstrates significant toxicity, the permittee shall resume a quarterly testing frequency for that species until this permit is reissued.

2. Required Toxicity Testing Conditions

- a. Test Acceptance - The permittee shall repeat any toxicity test, including the control and all effluent dilutions, which fail to meet the following criteria:
 - 1) a control mean survival of 80% or greater;
 - 2) a control mean number of water flea neonates per surviving adult of 15 or greater;
 - 3) a control mean dry weight of surviving fathead minnow larvae of 0.25 mg or greater;
 - 4) a control coefficient of variation percent (CV%) of 40 or less in between replicates for the young of surviving females in the water flea test; and the growth and survival endpoints in the fathead minnow test;
 - 5) a critical dilution CV% of 40 or less for the young of surviving females in the water flea test; and the growth and survival endpoints for the fathead minnow test. However, if statistically significant lethal or nonlethal effects are exhibited at the critical dilution, a CV% greater than 40 shall not invalidate the test;
 - 6) a percent minimum significant difference of 47 or less for water flea reproduction; and
 - 7) a percent minimum significant difference of 30 or less for fathead minnow growth.
- b. Statistical Interpretation
 - 1) For the water flea survival test, the statistical analyses used to determine if there is a significant difference between the control and an effluent dilution shall be the Fisher's exact test as described in the manual referenced in in Part 1.b.
 - 2) For the water flea reproduction test and the fathead minnow larval survival and growth tests, the statistical analyses used to determine if there is a significant difference between the control and an effluent

dilution shall be in accordance with the manual referenced in Part 1.b..

- 3) The permittee is responsible for reviewing test concentration-response relationships to ensure that calculated test-results are interpreted and reported correctly. The document entitled "Method Guidance and Recommendation for Whole Effluent Toxicity (WET) Testing (40 CFR Part 136)" (EPA 821-B-00-004) provides guidance on determining the validity of test results.
- 4) If significant lethality is demonstrated (that is, there is a statistically significant difference in survival at the critical dilution when compared to the survival in the control), the conditions of test acceptability are met, and the survival of the test organisms are equal to or greater than 80% in the critical dilution and all dilutions below that, then the permittee shall report a survival No Observed Effect Concentration (NOEC) of not less than the critical dilution for the reporting requirements.
- 5) The NOEC is defined as the greatest effluent dilution at which no significant effect is demonstrated. The Lowest Observed Effect Concentration (LOEC) is defined as the lowest effluent dilution at which a significant effect is demonstrated. A significant effect is defined as a statistically significant difference between the survival, reproduction, or growth of the test organism in a specified effluent dilution when compared to the survival, reproduction, or growth of the test organism in the control (0% effluent).
- 6) The use of NOECs and LOECs assumes either a monotonic (continuous) concentration-response relationship or a threshold model of the concentration-response relationship. For any test result that demonstrates a non-monotonic (non-continuous) response, the NOEC should be determined based on the guidance manual referenced in Item 3.
- 7) Pursuant to the responsibility assigned to the permittee in Part 2.b.3), test results that demonstrate a non-monotonic (non-continuous) concentration-response relationship may be submitted, prior to the due date, for technical review. The guidance manual referenced in Item 3 will be used when making a determination of test acceptability.
- 8) TCEQ staff will review test results for consistency with rules, procedures, and permit requirements.

c. Dilution Water

- 1) Dilution water used in the toxicity tests must be the receiving water collected at a point upstream of the discharge point as close as possible to the discharge point but unaffected by the discharge. Where the toxicity tests are conducted on effluent discharges to receiving waters that are classified as intermittent streams, or where the toxicity tests are conducted on effluent discharges where no receiving water is available due to zero flow conditions, the permittee shall:

- a) substitute a synthetic dilution water that has a pH, hardness, and alkalinity similar to that of the closest downstream perennial water unaffected by the discharge; or
 - b) use the closest downstream perennial water unaffected by the discharge.
 - 2) Where the receiving water proves unsatisfactory as a result of pre-existing instream toxicity (i.e. fails to fulfill the test acceptance criteria of Part 2.a.), the permittee may substitute synthetic dilution water for the receiving water in all subsequent tests provided the unacceptable receiving water test met the following stipulations:
 - a) a synthetic lab water control was performed (in addition to the receiving water control) which fulfilled the test acceptance requirements of Part 2.a;
 - b) the test indicating receiving water toxicity was carried out to completion (i.e., 7 days); and
 - c) the permittee submitted all test results indicating receiving water toxicity with the reports and information required in Part 3.
 - 3) The synthetic dilution water shall consist of standard, moderately hard, reconstituted water. Upon approval, the permittee may substitute other appropriate dilution water with chemical and physical characteristics similar to that of the receiving water.
- d. Samples and Composites
- 1) The permittee shall collect a minimum of three composite samples from Outfall 001. The second and third composite samples will be used for the renewal of the dilution concentrations for each toxicity test.
 - 2) The permittee shall collect the composite samples such that the samples are representative of any periodic episode of chlorination, biocide usage, or other potentially toxic substance being discharged on an intermittent basis.
 - 3) The permittee shall initiate the toxicity tests within 36 hours after collection of the last portion of the first composite sample. The holding time for any subsequent composite sample shall not exceed 72 hours. Samples shall be maintained at a temperature of 0-6 degrees Centigrade during collection, shipping, and storage.
 - 4) If Outfall 001 ceases discharging during the collection of effluent samples, the requirements for the minimum number of effluent samples, the minimum number of effluent portions, and the sample holding time are waived during that sampling period. However, the permittee must have collected an effluent composite sample volume sufficient to complete the required toxicity tests with renewal of the effluent. When possible, the

effluent samples used for the toxicity tests shall be collected on separate days if the discharge occurs over multiple days. The sample collection duration and the static renewal protocol associated with the abbreviated sample collection must be documented in the full report.

- 5) The effluent samples shall not be dechlorinated after sample collection.

3. Reporting

All reports, tables, plans, summaries, and related correspondence required in this section shall be submitted to the attention of the Standards Implementation Team (MC 150) of the Water Quality Division.

- a. The permittee shall prepare a full report of the results of all tests conducted in accordance with the manual referenced in Part 1.b. for every valid and invalid toxicity test initiated whether carried to completion or not.
- b. The permittee shall routinely report the results of each biomonitoring test on the Table 1 forms provided with this permit.
 - 1) Annual biomonitoring test results are due on or before January 20th for biomonitoring conducted during the previous 12-month period.
 - 2) Semiannual biomonitoring test results are due on or before July 20th and January 20th for biomonitoring conducted during the previous 6-month period.
 - 3) Quarterly biomonitoring test results are due on or before April 20th, July 20th, October 20th, and January 20th for biomonitoring conducted during the previous calendar quarter.
 - 4) Monthly biomonitoring test results are due on or before the 20th day of the month following sampling.
- c. Enter the following codes for the appropriate parameters for valid tests only:
 - 1) For the water flea, Parameter TLP3B, enter a "1" if the NOEC for survival is less than the critical dilution; otherwise, enter a "0."
 - 2) For the water flea, Parameter TOP3B, report the NOEC for survival.
 - 3) For the water flea, Parameter TXP3B, report the LOEC for survival.
 - 4) For the water flea, Parameter TWP3B, enter a "1" if the NOEC for reproduction is less than the critical dilution; otherwise, enter a "0."
 - 5) For the water flea, Parameter TPP3B, report the NOEC for reproduction.
 - 6) For the water flea, Parameter TYP3B, report the LOEC for reproduction.
 - 7) For the fathead minnow, Parameter TLP6C, enter a "1" if the NOEC for

survival is less than the critical dilution; otherwise, enter a "o."

- 8) For the fathead minnow, Parameter TOP6C, report the NOEC for survival.
 - 9) For the fathead minnow, Parameter TXP6C, report the LOEC for survival.
 - 10) For the fathead minnow, Parameter TWP6C, enter a "1" if the NOEC for growth is less than the critical dilution; otherwise, enter a "o."
 - 11) For the fathead minnow, Parameter TPP6C, report the NOEC for growth.
 - 12) For the fathead minnow, Parameter TYP6C, report the LOEC for growth.
- d. Enter the following codes for retests only:
- 1) For retest number 1, Parameter 22415, enter a "1" if the NOEC for survival is less than the critical dilution; otherwise, enter a "o."
 - 2) For retest number 2, Parameter 22416, enter a "1" if the NOEC for survival is less than the critical dilution; otherwise, enter a "o."

4. Persistent Toxicity

The requirements of this Part apply only when a test demonstrates a significant effect at the critical dilution. Significant lethality and significant effect were defined in Part 2.b. Significant sublethality is defined as a statistically significant difference in growth/reproduction at the critical dilution when compared to the growth/reproduction in the control.

- a. The permittee shall conduct a total of 2 additional tests (retests) for any species that demonstrates a significant effect (lethal or sublethal) at the critical dilution. The two retests shall be conducted monthly during the next two consecutive months. The permittee shall not substitute either of the two retests in lieu of routine toxicity testing. All reports shall be submitted within 20 days of test completion. Test completion is defined as the last day of the test.
- b. If the retests are performed due to a demonstration of significant lethality, and one or both of the two retests specified in Part 4.a. demonstrates significant lethality, the permittee shall initiate the TRE requirements as specified in Part 5. The provisions of Part 4.a. are suspended upon completion of the two retests and submittal of the TRE action plan and schedule defined in Part 5.

If neither test demonstrates significant lethality and the permittee is testing under the reduced testing frequency provision of Part 1.e., the permittee shall return to a quarterly testing frequency for that species.

- c. If the two retests are performed due to a demonstration of significant sublethality, and one or both of the two retests specified in Part 4.a. demonstrates significant lethality, the permittee shall again perform two retests as stipulated in Part 4.a.

- d. If the two retests are performed due to a demonstration of significant sublethality, and neither test demonstrates significant lethality, the permittee shall continue testing at the quarterly frequency.
- e. Regardless of whether retesting for lethal or sublethal effects, or a combination of the two, no more than one retest per month is required for a species.

5. Toxicity Reduction Evaluation

- a. Within 45 days of the retest that demonstrates significant lethality, or within 45 days of being so instructed due to multiple toxic events, the permittee shall submit a general outline for initiating a TRE. The outline shall include, but not be limited to, a description of project personnel, a schedule for obtaining consultants (if needed), a discussion of influent and effluent data available for review, a sampling and analytical schedule, and a proposed TRE initiation date.
- b. Within 90 days of the retest that demonstrates significant lethality, or within 90 days of being so instructed due to multiple toxic events, the permittee shall submit a TRE action plan and schedule for conducting a TRE. The plan shall specify the approach and methodology to be used in performing the TRE. A TRE is a step-wise investigation combining toxicity testing with physical and chemical analyses to determine actions necessary to eliminate or reduce effluent toxicity to a level not effecting significant lethality at the critical dilution. The TRE action plan shall describe an approach for the reduction or elimination of lethality for both test species defined in Part 1.b. At a minimum, the TRE action plan shall include the following:
 - 1) Specific Activities - The TRE action plan shall specify the approach the permittee intends to utilize in conducting the TRE, including toxicity characterizations, identifications, confirmations, source evaluations, treatability studies, and alternative approaches. When conducting characterization analyses, the permittee shall perform multiple characterizations and follow the procedures specified in the document entitled "Toxicity Identification Evaluation: Characterization of Chronically Toxic Effluents, Phase I" (EPA/600/6-91/005F) or alternate procedures. The permittee shall perform multiple identifications and follow the methods specified in the documents entitled "Methods for Aquatic Toxicity Identification Evaluations, Phase II Toxicity Identification Procedures for Samples Exhibiting Acute and Chronic Toxicity" (EPA/600/R-92/080) and "Methods for Aquatic Toxicity Identification Evaluations: Phase III Toxicity Confirmation Procedures for Samples Exhibiting Acute and Chronic Toxicity" (EPA/600/R-92/081). All characterization, identification, and confirmation tests shall be conducted in an orderly and logical progression;
 - 2) Sampling Plan - The TRE action plan should describe sampling locations, methods, holding times, chain of custody, and preservation techniques. The effluent sample volume collected for all tests shall be adequate to perform the toxicity characterization/identification/confirmation procedures, and chemical-specific analyses when the toxicity tests show significant lethality. Where the permittee has identified or suspects a

- specific pollutant and source of effluent toxicity, the permittee shall conduct, concurrent with toxicity testing, chemical-specific analyses for the identified and suspected pollutant and source of effluent toxicity;
- 3) Quality Assurance Plan - The TRE action plan should address record keeping and data evaluation, calibration and standardization, baseline tests, system blanks, controls, duplicates, spikes, toxicity persistence in the samples, randomization, reference toxicant control charts, and mechanisms to detect artifactual toxicity; and
 - 4) Project Organization - The TRE action plan should describe the project staff, project manager, consulting engineering services (where applicable), consulting analytical and toxicological services, etc.
- c. Within 30 days of submittal of the TRE action plan and schedule, the permittee shall implement the TRE.
 - d. The permittee shall submit quarterly TRE activities reports concerning the progress of the TRE. The quarterly reports are due on or before April 20th, July 20th, October 20th, and January 20th. The report shall detail information regarding the TRE activities including:
 - 1) results and interpretation of any chemical-specific analyses for the identified and suspected pollutant performed during the quarter;
 - 2) results and interpretation of any characterization, identification, and confirmation tests performed during the quarter;
 - 3) any data and substantiating documentation which identifies the pollutant(s) and source of effluent toxicity;
 - 4) results of any studies/evaluations concerning the treatability of the facility's effluent toxicity;
 - 5) any data that identifies effluent toxicity control mechanisms that will reduce effluent toxicity to the level necessary to meet no significant lethality at the critical dilution; and
 - 6) any changes to the initial TRE plan and schedule that are believed necessary as a result of the TRE findings.
 - e. During the TRE, the permittee shall perform, at a minimum, quarterly testing using the more sensitive species. Testing for the less sensitive species shall continue at the frequency specified in Part 1.b.
 - f. If the effluent ceases to effect significant lethality, i.e., there is a cessation of lethality, the permittee may end the TRE. A cessation of lethality is defined as no significant lethality for a period of 12 consecutive months with at least monthly testing. At the end of the 12 months, the permittee shall submit a statement of intent to cease the TRE and may then resume the testing frequency specified in Part 1.b.

This provision accommodates situations where operational errors and upsets, spills, or sampling errors triggered the TRE, in contrast to a situation where a single toxicant or group of toxicants cause lethality. This provision does not apply as a result of corrective actions taken by the permittee. Corrective actions are defined as proactive efforts that eliminate or reduce effluent toxicity. These include, but are not limited to, source reduction or elimination, improved housekeeping, changes in chemical usage, and modifications of influent streams and effluent treatment.

The permittee may only apply this cessation of lethality provision once. If the effluent again demonstrates significant lethality to the same species, the permit will be amended to add a WET limit with a compliance period, if appropriate. However, prior to the effective date of the WET limit, the permittee may apply for a permit amendment removing and replacing the WET limit with an alternate toxicity control measure by identifying and confirming the toxicant and an appropriate control measure.

- g. The permittee shall complete the TRE and submit a final report on the TRE activities no later than 28 months from the last test day of the retest that confirmed significant lethal effects at the critical dilution. The permittee may petition the Executive Director (in writing) for an extension of the 28-month limit. However, to warrant an extension the permittee must have demonstrated due diligence in its pursuit of the toxicity identification evaluation/TRE and must prove that circumstances beyond its control stalled the toxicity identification evaluation/TRE. The report shall provide information pertaining to the specific control mechanism selected that will, when implemented, result in the reduction of effluent toxicity to no significant lethality at the critical dilution. The report shall also provide a specific corrective action schedule for implementing the selected control mechanism.
- h. Based on the results of the TRE and proposed corrective actions, this permit may be amended to modify the biomonitoring requirements, where necessary, require a compliance schedule for implementation of corrective actions, specify a WET limit, specify a best management practice, and specify a chemical-specific limit.
- i. Copies of any and all required TRE plans and reports shall also be submitted to the U.S. EPA Region 6 office, 6WQ-PO.

TABLE 1 (SHEET 1 OF 4)

BIOMONITORING REPORTING

CERIODAPHNIA DUBIA SURVIVAL AND REPRODUCTION

Dates and Times No. 1 FROM: _____ Date Time TO: _____ Date Time
 Composites
 Collected No. 2 FROM: _____ TO: _____
 No. 3 FROM: _____ TO: _____

Test initiated: _____ am/pm _____ date

Dilution water used: _____ Receiving water _____ Synthetic Dilution water

NUMBER OF YOUNG PRODUCED PER ADULT AT END OF TEST

REP	Percent effluent					
	0%	32%	42%	56%	75%	100%
A						
B						
C						
D						
E						
F						
G						
H						
I						
J						
Survival Mean						
Total Mean						
CV%*						
PMSD						

*Coefficient of Variation = standard deviation x 100/mean (calculation based on young of the surviving adults)

Designate males (M), and dead females (D), along with number of neonates (x) released prior to death.

TABLE 1 (SHEET 2 OF 4)

CERIODAPHNIA DUBIA SURVIVAL AND REPRODUCTION TEST

1. Dunnett's Procedure or Steel's Many-One Rank Test or Wilcoxon Rank Sum Test (with Bonferroni adjustment) or t-test (with Bonferroni adjustment) as appropriate:

Is the mean number of young produced per adult significantly less than the number of young per adult in the control for the % effluent corresponding to significant nonlethal effects?

CRITICAL DILUTION (100%): _____ YES _____ NO

PERCENT SURVIVAL

Time of Reading	Percent effluent					
	0%	32%	42%	56%	75%	100%
24h						
48h						
End of Test						

2. Fisher's Exact Test:

Is the mean survival at test end significantly less than the control survival for the % effluent corresponding to lethality?

CRITICAL DILUTION (100%): _____ YES _____ NO

3. Enter percent effluent corresponding to each NOEC\LOEC below:

a.) NOEC survival = _____ % effluent

b.) LOEC survival = _____ % effluent

c.) NOEC reproduction = _____ % effluent

d.) LOEC reproduction = _____ % effluent

TABLE 1 (SHEET 3 OF 4)

BIOMONITORING REPORTING

FATHEAD MINNOW LARVAE GROWTH AND SURVIVAL

Dates and Times No. 1 FROM: _____ Date Time TO: _____ Date Time
 Composites
 Collected No. 2 FROM: _____ TO: _____
 No. 3 FROM: _____ TO: _____

Test initiated: _____ am/pm _____ date

Dilution water used: _____ Receiving water _____ Synthetic dilution water

FATHEAD MINNOW GROWTH DATA

Effluent Concentration	Average Dry Weight in replicate chambers					Mean Dry Weight	CV%*
	A	B	C	D	E		
0%							
32%							
42%							
56%							
75%							
100%							
PMSD							

* Coefficient of Variation = standard deviation x 100/mean

- Dunnett's Procedure or Steel's Many-One Rank Test or Wilcoxon Rank Sum Test (with Bonferroni adjustment) or t-test (with Bonferroni adjustment) as appropriate:

Is the mean dry weight (growth) at 7 days significantly less than the control's dry weight (growth) for the % effluent corresponding to significant nonlethal effects?

CRITICAL DILUTION (100%): _____ YES _____ NO

TABLE 1 (SHEET 4 OF 4)
BIOMONITORING REPORTING
FATHEAD MINNOW GROWTH AND SURVIVAL TEST
FATHEAD MINNOW SURVIVAL DATA

Effluent Concentration	Percent Survival in replicate chambers					Mean percent survival			CV%*
	A	B	C	D	E	24h	48h	7 day	
0%									
32%									
42%									
56%									
75%									
100%									

* Coefficient of Variation = standard deviation x 100/mean

2. Dunnett's Procedure or Steel's Many-One Rank Test or Wilcoxon Rank Sum Test (with Bonferroni adjustment) or t-test (with Bonferroni adjustment) as appropriate:

Is the mean survival at 7 days significantly less than the control survival for the % effluent corresponding to lethality?

CRITICAL DILUTION (100%): _____ YES _____ NO

3. Enter percent effluent corresponding to each NOEC\LOEC below:

a.) NOEC survival = _____ % effluent

b.) LOEC survival = _____ % effluent

c.) NOEC growth = _____ % effluent

d.) LOEC growth = _____ % effluent

24-HOUR ACUTE BIOMONITORING REQUIREMENTS: FRESHWATER

The provisions of this section apply to Outfall 001 for whole effluent toxicity (WET) testing.

1. Scope, Frequency, and Methodology

- a. The permittee shall test the effluent for lethality in accordance with the provisions in this section. Such testing will determine compliance with Texas Surface Water Quality Standard 30 TAC § 307.6(e)(2)(B), which requires greater than 50% survival of the appropriate test organisms in 100% effluent for a 24-hour period.
- b. Within 90 days of initial discharge of the 2.8 MGD facility, the toxicity tests specified shall be conducted once per six months. The permittee shall conduct the following toxicity tests using the test organisms, procedures, and quality assurance requirements specified in this section of the permit and in accordance with "Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms," fifth edition (EPA-821-R-02-012) or its most recent update:
 - 1) Acute 24-hour static toxicity test using the water flea (*Daphnia pulex* or *Ceriodaphnia dubia*). A minimum of five replicates with eight organisms per replicate shall be used in the control and each dilution.
 - 2) Acute 24-hour static toxicity test using the fathead minnow (*Pimephales promelas*). A minimum of five replicates with eight organisms per replicate shall be used in the control and each dilution.

A valid test result must be submitted for each reporting period. The permittee must report, and then repeat, an invalid test during the same reporting period. The repeat test shall include the control and the 100% effluent dilution and use the appropriate number of organisms and replicates, as specified above. An invalid test is defined as any test failing to satisfy the test acceptability criteria, procedures, and quality assurance requirements specified in the test methods and permit.

- c. In addition to an appropriate control, a 100% effluent concentration shall be used in the toxicity tests. Except as discussed in item 2.b., the control and dilution water shall consist of standard, synthetic, moderately hard, reconstituted water.
- d. This permit may be amended to require a WET limit, a Best Management Practice (BMP), Chemical-Specific (CS) limits, or other appropriate actions to address toxicity. The permittee may be required to conduct a Toxicity Reduction Evaluation after multiple toxic events.
- e. As the dilution series specified in the Chronic Biomonitoring Requirements includes a 100% effluent concentration, the results from those tests may fulfill the requirements of this Section; any tests performed in the proper time interval may be substituted. Compliance will be evaluated as specified in item a. The 50% survival in 100% effluent for a 24-hour period standard applies to all tests utilizing a 100% effluent dilution, regardless of whether the results are submitted

to comply with the minimum testing frequency defined in item b.

2. Required Toxicity Testing Conditions

- a. Test Acceptance - The permittee shall repeat any toxicity test, including the control, if the control fails to meet a mean survival equal to or greater than 90%.
- b. Dilution Water - In accordance with item 1.c., the control and dilution water shall normally consist of standard, synthetic, moderately hard, reconstituted water. If the permittee utilizes the results of a chronic test to satisfy the requirements in item 1.e., the permittee may use the receiving water or dilution water that meets the requirements of item 2.a as the control and dilution water.
- c. Samples and Composites
 - 1) The permittee shall collect one composite sample from Outfall 001.
 - 2) The permittee shall collect the composite sample such that the sample is representative of any periodic episode of chlorination, biocide usage, or other potentially toxic substance being discharged.
 - 3) The permittee shall initiate the toxicity tests within 36 hours after collection of the last portion of the composite sample. The sample shall be maintained at a temperature of 0-6 degrees Centigrade during collection, shipping, and storage.
 - 4) If Outfall 001 ceases discharging during the collection of the effluent composite sample, the requirements for the minimum number of effluent portions are waived. However, the permittee must have collected a composite sample volume sufficient for completion of the required test. The abbreviated sample collection, duration, and methodology must be documented in the full report.
 - 5) The effluent sample shall not be dechlorinated after sample collection.

3. Reporting

All reports, tables, plans, summaries, and related correspondence required in this section shall be submitted to the attention of the Standards Implementation Team (MC 150) of the Water Quality Division.

- a. The permittee shall prepare a full report of the results of all tests conducted in accordance with the manual referenced in Part 1.b. for every valid and invalid toxicity test initiated.
- b. The permittee shall routinely report the results of each biomonitoring test on the Table 2 forms provided with this permit.
 - 1) Semiannual biomonitoring test results are due on or before July 20th and January 20th for biomonitoring conducted during the previous 6-month period.

- 2) Quarterly biomonitoring test results are due on or before April 20th, July 20th, and October 20th, and January 20th for biomonitoring conducted during the previous calendar quarter.
 - c. Enter the following codes for the appropriate parameters for valid tests only:
 - 1) For the water flea, Parameter TIE3D, enter a "0" if the mean survival at 24 hours is greater than 50% in the 100% effluent dilution; if the mean survival is less than or equal to 50%, enter a "1."
 - 2) For the fathead minnow, Parameter TIE6C, enter a "0" if the mean survival at 24 hours is greater than 50% in the 100% effluent dilution; if the mean survival is less than or equal to 50%, enter a "1."
 - d. Enter the following codes for retests only:
 - 1) For retest number 1, Parameter 22415, enter a "0" if the mean survival at 24 hours is greater than 50% in the 100% effluent dilution; if the mean survival is less than or equal to 50%, enter a "1."
 - 2) For retest number 2, Parameter 22416, enter a "0" if the mean survival at 24 hours is greater than 50% in the 100% effluent dilution; if the mean survival is less than or equal to 50%, enter a "1."
4. Persistent Mortality

The requirements of this part apply when a toxicity test demonstrates significant lethality, which is defined as a mean mortality of 50% or greater of organisms exposed to the 100% effluent concentration for 24 hours.

 - a. The permittee shall conduct 2 additional tests (retests) for each species that demonstrates significant lethality. The two retests shall be conducted once per week for 2 weeks. Five effluent dilution concentrations in addition to an appropriate control shall be used in the retests. These effluent concentrations are 6%, 13%, 25%, 50% and 100% effluent. The first retest shall be conducted within 15 days of the laboratory determination of significant lethality. All test results shall be submitted within 20 days of test completion of the second retest. Test completion is defined as the 24th hour.
 - b. If one or both of the two retests specified in Part 4.a. demonstrates significant lethality, the permittee shall initiate the TRE requirements as specified in Part 5.
5. Toxicity Reduction Evaluation
 - a. Within 45 days of the retest that demonstrates significant lethality, the permittee shall submit a general outline for initiating a TRE. The outline shall include, but not be limited to, a description of project personnel, a schedule for obtaining consultants (if needed), a discussion of influent and effluent data available for review, a sampling and analytical schedule, and a proposed TRE initiation date.

- b. Within 90 days of the retest that demonstrates significant lethality, the permittee shall submit a TRE action plan and schedule for conducting a TRE. The plan shall specify the approach and methodology to be used in performing the TRE. A TRE is a step-wise investigation combining toxicity testing with physical and chemical analyses to determine actions necessary to eliminate or reduce effluent toxicity to a level not effecting significant lethality at the critical dilution. The TRE action plan shall lead to the successful elimination of significant lethality for both test species defined in Part 1.b. At a minimum, the TRE action plan shall include the following:
- 1) Specific Activities - The TRE action plan shall specify the approach the permittee intends to utilize in conducting the TRE, including toxicity characterizations, identifications, confirmations, source evaluations, treatability studies, and alternative approaches. When conducting characterization analyses, the permittee shall perform multiple characterizations and follow the procedures specified in the document entitled "Methods for Aquatic Toxicity Identification Evaluations: Phase I Toxicity Characterization Procedures" (EPA/600/6-91/003) or alternate procedures. The permittee shall perform multiple identifications and follow the methods specified in the documents entitled "Methods for Aquatic Toxicity Identification Evaluations: Phase II Toxicity Identification Procedures for Samples Exhibiting Acute and Chronic Toxicity" (EPA/600/R-92/080) and "Methods for Aquatic Toxicity Identification Evaluations: Phase III Toxicity Confirmation Procedures for Samples Exhibiting Acute and Chronic Toxicity" (EPA/600/R-92/081). All characterization, identification, and confirmation tests shall be conducted in an orderly and logical progression;
 - 2) Sampling Plan - The TRE action plan should describe sampling locations, methods, holding times, chain of custody, and preservation techniques. The effluent sample volume collected for all tests shall be adequate to perform the toxicity characterization/identification/confirmation procedures and chemical-specific analyses when the toxicity tests show significant lethality. Where the permittee has identified or suspects specific pollutant and source of effluent toxicity, the permittee shall conduct, concurrent with toxicity testing, chemical-specific analyses for the identified and suspected pollutant and source of effluent toxicity;
 - 3) Quality Assurance Plan - The TRE action plan should address record keeping and data evaluation, calibration and standardization, baseline tests, system blanks, controls, duplicates, spikes, toxicity persistence in the samples, randomization, reference toxicant control charts, and mechanisms to detect artifactual toxicity; and
 - 4) Project Organization - The TRE Action Plan should describe the project staff, project manager, consulting engineering services (where applicable), consulting analytical and toxicological services, etc.
- c. Within 30 days of submittal of the TRE action plan and schedule, the permittee shall implement the TRE.

- d. The permittee shall submit quarterly TRE activities reports concerning the progress of the TRE. The quarterly TRE activities reports are due on or before April 20th, July 20th, October 20th, and January 20th. The report shall detail information regarding the TRE activities including:
- 1) results and interpretation of any chemical-specific analyses for the identified and suspected pollutant performed during the quarter;
 - 2) results and interpretation of any characterization, identification, and confirmation tests performed during the quarter;
 - 3) any data and substantiating documentation that identifies the pollutant and source of effluent toxicity;
 - 4) results of any studies/evaluations concerning the treatability of the facility's effluent toxicity;
 - 5) any data that identifies effluent toxicity control mechanisms that will reduce effluent toxicity to the level necessary to eliminate significant lethality; and
 - 6) any changes to the initial TRE plan and schedule that are believed necessary as a result of the TRE findings.
- e. During the TRE, the permittee shall perform, at a minimum, quarterly testing using the more sensitive species. Testing for the less sensitive species shall continue at the frequency specified in Part 1.b.
- f. If the effluent ceases to effect significant lethality, i.e., there is a cessation of lethality, the permittee may end the TRE. A cessation of lethality is defined as no significant lethality for a period of 12 consecutive weeks with at least weekly testing. At the end of the 12 weeks, the permittee shall submit a statement of intent to cease the TRE and may then resume the testing frequency specified in Part 1.b.

This provision accommodates situations where operational errors and upsets, spills, or sampling errors triggered the TRE, in contrast to a situation where a single toxicant or group of toxicants cause lethality. This provision does not apply as a result of corrective actions taken by the permittee. Corrective actions are defined as proactive efforts that eliminate or reduce effluent toxicity. These include, but are not limited to, source reduction or elimination, improved housekeeping, changes in chemical usage, and modifications of influent streams and effluent treatment.

The permittee may only apply this cessation of lethality provision once. If the effluent again demonstrates significant lethality to the same species, the permit will be amended to add a WET limit with a compliance period, if appropriate. However, prior to the effective date of the WET limit, the permittee may apply for a permit amendment removing and replacing the WET limit with an alternate toxicity control measure by identifying and confirming the toxicant and an appropriate control measure.

- g. The permittee shall complete the TRE and submit a final report on the TRE activities no later than 18 months from the last test day of the retest that demonstrates significant lethality. The permittee may petition the Executive Director (in writing) for an extension of the 18-month limit. However, to warrant an extension the permittee must have demonstrated due diligence in its pursuit of the toxicity identification evaluation/TRE and must prove that circumstances beyond its control stalled the toxicity identification evaluation/TRE. The report shall specify the control mechanism that will, when implemented, reduce effluent toxicity as specified in Part 5.h. The report shall also specify a corrective action schedule for implementing the selected control mechanism. A copy of the TRE final report shall also be submitted to the U.S. EPA Region 6 office.
- h. Within 3 years of the last day of the test confirming toxicity, the permittee shall comply with 30 TAC § 307.6(e)(2)(B), which requires greater than 50% survival of the test organism in 100% effluent at the end of 24-hours. The permittee may petition the Executive Director (in writing) for an extension of the 3-year limit. However, to warrant an extension the permittee must have demonstrated due diligence in its pursuit of the toxicity identification evaluation/TRE and must prove that circumstances beyond its control stalled the toxicity identification evaluation/TRE.

The permittee may be exempted from complying with 30 TAC § 307.6(e)(2)(B) upon proving that toxicity is caused by an excess, imbalance, or deficiency of dissolved salts. This exemption excludes instances where individually toxic components (e.g., metals) form a salt compound. Following the exemption, this permit may be amended to include an ion-adjustment protocol, alternate species testing, or single species testing.
- i. Based upon the results of the TRE and proposed corrective actions, this permit may be amended to modify the biomonitoring requirements where necessary, require a compliance schedule for implementation of corrective actions, specify a WET limit, specify a best management practice, and specify a chemical-specific limit.
- j. Copies of any and all required TRE plans and reports shall also be submitted to the U.S. EPA Region 6 office, 6WQ-PO.

TABLE 2 (SHEET 1 OF 2)

WATER FLEA SURVIVAL

GENERAL INFORMATION

	Time	Date
Composite Sample Collected		
Test Initiated		

PERCENT SURVIVAL

Time	Rep	Percent effluent					
		0%	6%	13%	25%	50%	100%
24h	A						
	B						
	C						
	D						
	E						
	MEAN						

Enter percent effluent corresponding to the LC₅₀ below:

24 hour LC₅₀ = _____% effluent

TABLE 2 (SHEET 2 OF 2)
FATHEAD MINNOW SURVIVAL

GENERAL INFORMATION

	Time	Date
Composite Sample Collected		
Test Initiated		

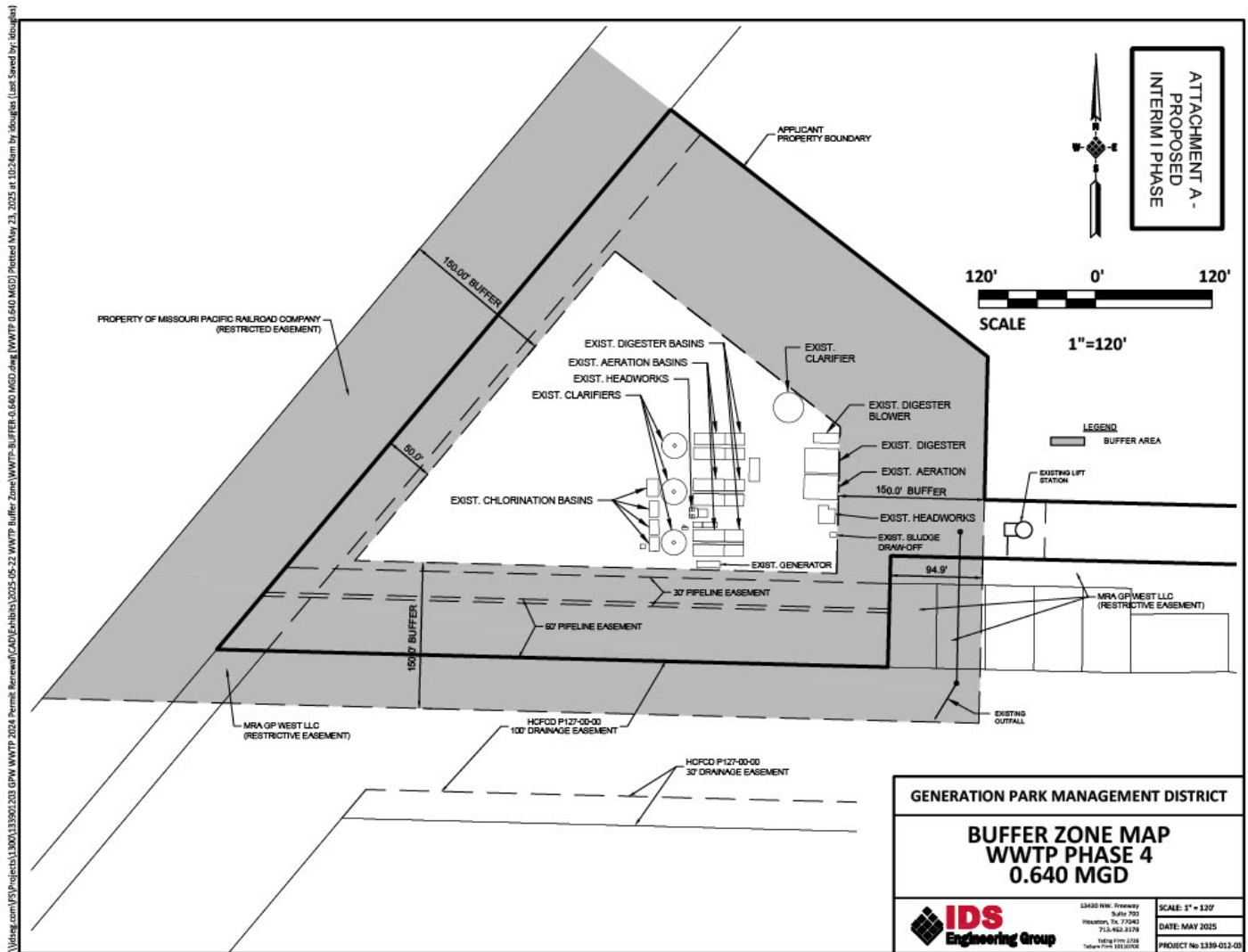
PERCENT SURVIVAL

Time	Rep	Percent effluent					
		0%	6%	13%	25%	50%	100%
24h	A						
	B						
	C						
	D						
	E						
	MEAN						

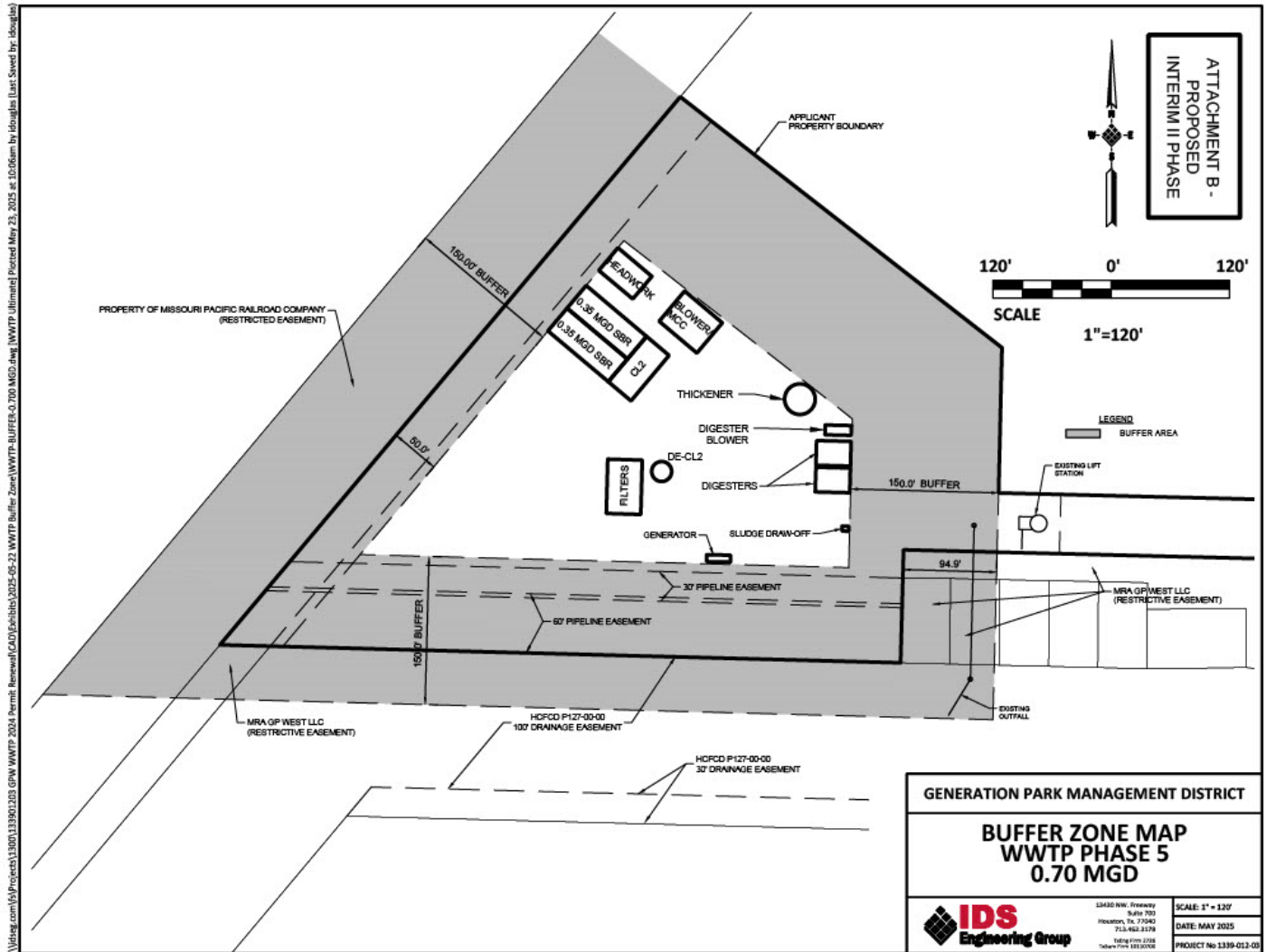
Enter percent effluent corresponding to the LC₅₀ below:

24 hour LC₅₀ = _____% effluent

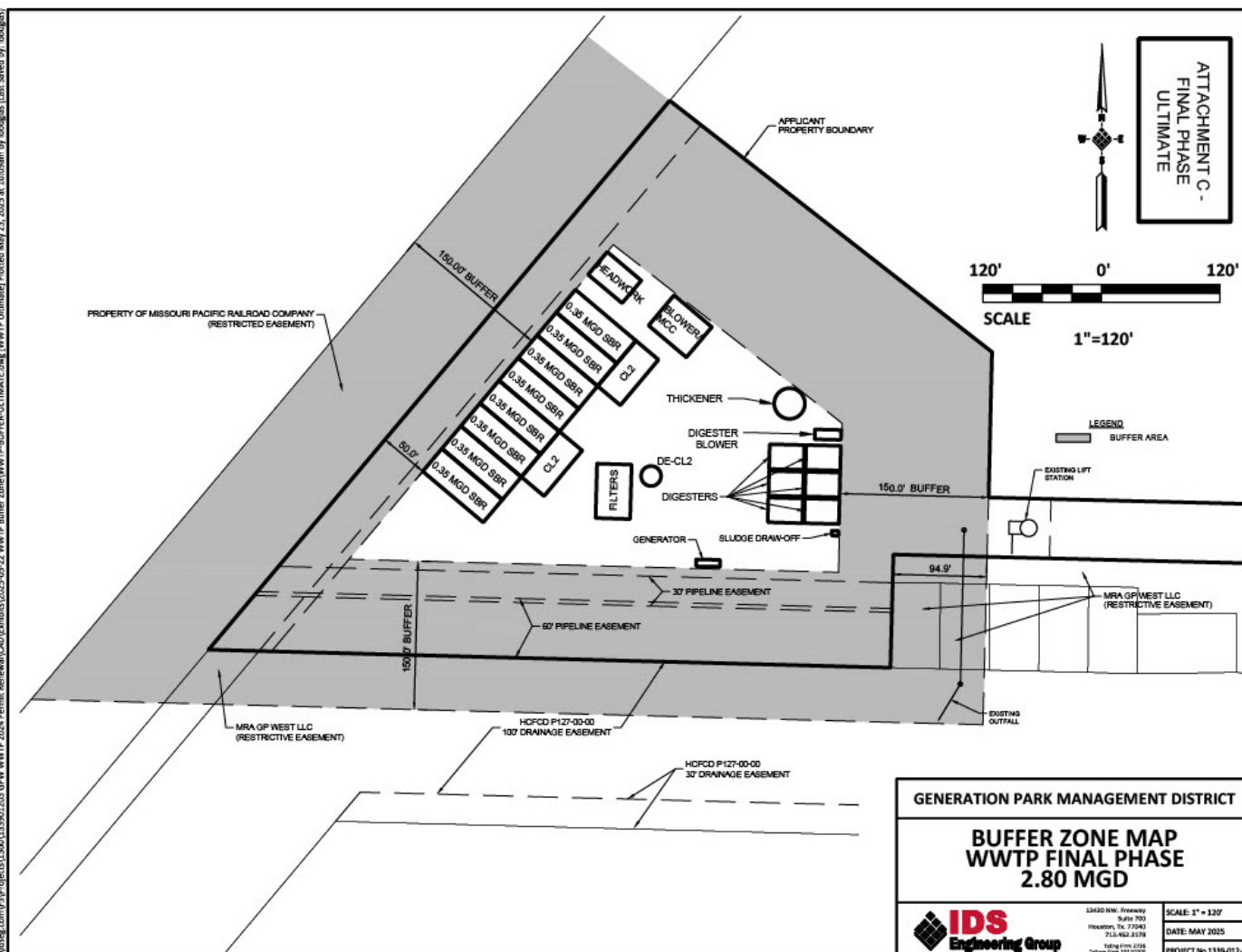
Attachment A WQ0014625001 Generation Park Management District



Attachment B
WQ0014625001
Generation Park Management District



Please email ES.Boulet@atkins.com or call 800-670-9300 for more information. If you cannot hear "download"



FACT SHEET AND EXECUTIVE DIRECTOR'S PRELIMINARY DECISION

For draft Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0014625001, EPA I.D. No. TX0127981, to discharge to water in the state.

Issuing Office: Texas Commission on Environmental Quality
P.O. Box 13087
Austin, Texas 78711-3087

Applicant: Generation Park Management District
1300 Post Oak Boulevard, Suite 2400,
Houston, Texas 77056

Prepared By: Garrison Layne
Municipal Permits Team
Wastewater Permitting Section (MC 148)
Water Quality Division
(512) 239-0849

Date: 5/27/2025

Permit Action: Renewal with changes

1. 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**.

2. APPLICANT ACTIVITY

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 0.64 million gallons per day (MGD) in the Interim I phase, at a daily average flow not to exceed 0.7 MGD in the Interim II phase, and an annual average flow not to exceed 2.8 MGD in the Final phase. The existing wastewater treatment facility serves Generation Park Management District and the City of Houston's Northeast Water Purification plant (NEWPP).

3. FACILITY AND DISCHARGE LOCATION

The plant site is located at 13939 Lockwood Road, near the City of Houston, in Harris County, Texas 77044.

Outfall Location:

Outfall Number	Latitude	Longitude
001	29.922996 N	95.213368 W

The treated effluent is discharged to a Harris County Flood Control District ditch P127-00-00, thence to Greens Bayou Above Tidal in Segment No. 1016 of the San Jacinto

River Basin. The unclassified receiving water uses are minimal aquatic life use for Harris County Flood Control District ditch P127-00-00 and limited aquatic life use for Harris County Flood Control District ditch P127-00-00 (after confluence with Harris County Flood Control District ditch P127-03-00). The designated uses for Segment No. 1016 are primary contact recreation and limited aquatic life use.

4. TREATMENT PROCESS DESCRIPTION AND SEWAGE SLUDGE DISPOSAL

The Generation Park Management District West Wastewater Treatment Facility is an activated sludge process plant operated in the single stage nitrification mode. Treatment units in the Interim I phase include a lift station, seven aeration basins, four final clarifiers, seven aerobic digestors, and four chlorine contact chambers. Treatment units in the Interim II phase will include a lift station, two small batch reactors (SBR) basins, two aerobic digestors, and one chlorine contact chamber. Treatment Units in the Final phase will include eight SBR basins, six aerobic digestors, and two chlorine contact chambers. The facility is operating in the Interim I phase.

Sludge generated from the treatment facility is hauled by a registered transporter and disposed of at a TCEQ-permitted landfill, Mount Houston Road Municipal Utility District, Permit No. WQ0011154001, in Harris County. The draft permit also authorizes the disposal of sludge at a TCEQ-authorized land application site, co-disposal landfill, wastewater treatment facility, or facility that further processes sludge.

5. INDUSTRIAL WASTE CONTRIBUTION

The draft permit includes pretreatment requirements that are appropriate for a facility of this size and complexity. The facility does not appear to receive significant industrial wastewater contributions.

6. SUMMARY OF SELF-REPORTED EFFLUENT ANALYSES

The following is a summary of the applicant's effluent monitoring data for the period September 2022 through September 2024. The average of Daily Average value is computed by the averaging of all 30-day average values for the reporting period for each parameter: flow, five-day carbonaceous biochemical oxygen demand (CBOD₅), total suspended solids (TSS), ammonia nitrogen (NH₃-N), and total copper (Cu). The average of Daily Average value for *Escherichia coli* in colony-forming units (CFU) or most probable number (MPN) per 100 ml is calculated via geometric mean.

<u>Parameter</u>	<u>Average of Daily Avg</u>
Flow, MGD	0.14
CBOD ₅ , mg/l	2.76
TSS, mg/l	5.99
NH ₃ -N, mg/l	0.27
<i>E. coli</i> , CFU or MPN per 100 ml	2.00
Total Copper, mg/l	0.003

7. DRAFT PERMIT CONDITIONS AND MONITORING REQUIREMENTS

The effluent limitations and monitoring requirements for those parameters that are limited in the draft permit are as follows:

A. INTERIM I PHASE EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

The daily average flow of effluent shall not exceed 0.64 MGD, nor shall the average discharge during any two-hour period (2-hour peak) exceed 1,778 gallons per minute.

<u>Parameter</u>	<u>30-Day Average</u>		<u>7-Day</u>	<u>Daily</u>
	<u>mg/l</u>	<u>lbs/day</u>	<u>Average</u> <u>mg/l</u>	<u>Maximum</u> <u>mg/l</u>
CBOD ₅	10	53	15	25
TSS	15	80	25	40
NH ₃ -N	3	16	6	10
Total Copper	0.0151	0.080	N/A	0.032
Total Kjeldahl Nitrogen (TKN)	Report	Report	N/A	Report
DO (minimum)	4.0	N/A	N/A	N/A
<i>E. coli</i> , CFU or MPN per 100 ml	63	N/A	N/A	200

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored twice per month by grab sample. There shall be no discharge of floating solids or visible foam in other than trace amounts and no discharge of visible oil.

The effluent shall contain a total chlorine residual of at least 1.0 mg/l after a detention time of at least 20 minutes (based on peak flow) and shall be monitored daily by grab sample at each chlorine contact chamber. The permittee shall dechlorinate the chlorinated effluent to less than 0.1 mg/l total chlorine residual and shall monitor total chlorine residual daily by grab sample after the dechlorination process. An equivalent method of disinfection may be substituted only with prior approval of the Executive Director.

<u>Parameter</u>	<u>Monitoring Requirement</u>
Flow, MGD	Continuous
CBOD ₅	One/week
TSS	One/week
NH ₃ -N	One/week
Total Copper	Two/month
TKN	One/week
DO	Two/week
<i>E. coli</i>	Two/month

B. INTERIM II PHASE EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

The daily average flow of effluent shall not exceed 0.7 MGD, nor shall the average discharge during any two-hour period (2-hour peak) exceed 1,944 gallons per minute.

Generation Park Management District TPDES Permit No. WQ0014625001
Fact Sheet and Executive Director's Preliminary Decision

<u>Parameter</u>	<u>30-Day Average</u>		<u>7-Day</u>	<u>Daily</u>
	<u>mg/l</u>	<u>lbs/day</u>	<u>Average</u> <u>mg/l</u>	<u>Maximum</u> <u>mg/l</u>
CBOD ₅	10	58	15	25
TSS	15	87	25	40
NH ₃ -N	3	17	6	10
Total Copper	0.0151	0.09	N/A	0.032
TKN	Report	Report	N/A	Report
DO (minimum)	4.0	N/A	N/A	N/A
<i>E. coli</i> , CFU or MPN per 100 ml	63	N/A	N/A	200

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored twice per month by grab sample. There shall be no discharge of floating solids or visible foam in other than trace amounts and no discharge of visible oil.

The effluent shall contain a total chlorine residual of at least 1.0 mg/l after a detention time of at least 20 minutes (based on peak flow) and shall be monitored daily by grab sample at each chlorine contact chamber. The permittee shall dechlorinate the chlorinated effluent to less than 0.1 mg/l total chlorine residual and shall monitor total chlorine residual daily by grab sample after the dechlorination process. An equivalent method of disinfection may be substituted only with prior approval of the Executive Director.

<u>Parameter</u>	<u>Monitoring Requirement</u>
Flow, MGD	Continuous
CBOD ₅	One/week
TSS	One/week
NH ₃ -N	One/week
Total Copper	Two/month
Total Kjeldahl Nitrogen	One/week
DO	Two/week
<i>E. coli</i>	Two/month

C. FINAL PHASE EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

The annual average flow of effluent shall not exceed 2.8 MGD, nor shall the average discharge during any two-hour period (2-hour peak) exceed 7,778 gallons per minute.

<u>Parameter</u>	<u>30-Day Average</u>		<u>7-Day</u>	<u>Daily</u>
	<u>mg/l</u>	<u>lbs/day</u>	<u>Average</u> <u>mg/l</u>	<u>Maximum</u> <u>mg/l</u>
CBOD ₅	10	234	15	25
TSS	15	350	25	40
NH ₃ -N	3	70	6	10
Total Copper	0.0151	0.353	N/A	N/A
TKN	Report	Report	N/A	Report
DO (minimum)	4.0	N/A	N/A	N/A

<i>E. coli</i> , CFU or MPN/100 ml	63	N/A	N/A	200
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The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored once per week by grab sample. There shall be no discharge of floating solids or visible foam in other than trace amounts and no discharge of visible oil.

The effluent shall contain a total chlorine residual of at least 1.0 mg/l after a detention time of at least 20 minutes (based on peak flow) and shall be monitored daily by grab sample. The permittee shall dechlorinate the chlorinated effluent to less than 0.1 mg/l total chlorine residual and shall monitor total chlorine residual daily by grab sample after the dechlorination process. An equivalent method of disinfection may be substituted only with prior approval of the Executive Director.

<u>Parameter</u>	<u>Monitoring Requirement</u>
Flow, MGD	Continuous
CBOD ₅	Two/week
TSS	Two/week
NH ₃ -N	Two/week
Total Copper	One/week
TKN	One/week
DO	Two/week
<i>E. coli</i>	One/week

D. SEWAGE SLUDGE REQUIREMENTS

The draft permit includes Sludge Provisions according to the requirements of 30 TAC Chapter 312, Sludge Use, Disposal, and Transportation. Sludge generated from the treatment facility is hauled by a registered transporter and disposed of at Mount Houston Road MUD Wastewater Treatment Facility, Permit No. WQ0011154001, in Harris County. The draft permit also authorizes the disposal of sludge at a TCEQ-authorized land application site, co-disposal landfill, wastewater treatment facility, or facility that further processes sludge.

E. PRETREATMENT REQUIREMENTS

Permit requirements for pretreatment are based on TPDES regulations contained in 30 TAC Chapter 305, which references 40 Code of Federal Regulations (CFR) Part 403, "General Pretreatment Regulations for Existing and New Sources of Pollution" [*rev. Federal Register/ Vol. 70/ No. 198/ Friday, October 14, 2005/ Rules and Regulations, pages 60134-60798*]. The permit includes specific requirements that establish responsibilities of local government, industry, and the public to implement the standards to control pollutants which pass through or interfere with treatment processes in publicly owned treatment works or which may contaminate the sewage sludge. This permit has appropriate pretreatment language for a facility of this size and complexity.

F. WHOLE EFFLUENT TOXICITY (BIOMONITORING) REQUIREMENTS

- (1) The draft permit includes chronic freshwater biomonitoring requirements as follows. The permit requires five dilutions in addition to the control (0% effluent) to be used in the toxicity tests. These additional effluent concentrations shall be 32%, 42%, 56%, 75%, and 100%. The low-flow effluent concentration (critical dilution) is defined as 100% effluent. The critical dilution is in accordance with the "Aquatic Life Criteria" section of the "Water Quality Based Effluent Limitations/Conditions" section.
 - (a) Chronic static renewal survival and reproduction test using the water flea (*Ceriodaphnia dubia*). The frequency of the testing is once per quarter for at least the first year of testing, after which the permittee may apply for a testing frequency reduction.
 - (b) Chronic static renewal 7-day larval survival and growth test using the fathead minnow (*Pimephales promelas*). The frequency of the testing is once per quarter for at least the first year of testing, after which the permittee may apply for a testing frequency reduction.
- (2) The draft permit includes the following minimum 24-hour acute freshwater biomonitoring requirements at a frequency of once per six months:
 - (a) Acute 24-hour static toxicity test using the water flea (*Daphnia pulex* or *Ceriodaphnia dubia*).
 - (b) Acute 24-hour static toxicity test using the fathead minnow (*Pimephales promelas*).

G. SUMMARY OF CHANGES FROM APPLICATION

None.

H. SUMMARY OF CHANGES FROM EXISTING PERMIT

Effluent limitations and monitoring requirements in the Interim phase of the draft permit remain the same as the existing permit requirements. The Interim I 0.375 MGD phase in the existing permit was deleted since it is no longer applicable. A Interim II phase of 0.7 MGD has been added to the draft permit.

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

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 applicants secondary name in the existing permit of c/o Schwartz, Page & Harding, L.L.P. has been removed from the draft permit.

The facility name has been updated in the draft permit from the existing permit from Generation Park Management District WWTP to Generation Park Management District West WWTF.

The facility address has been updated from the existing permit from located approximately 3,850 feet south of the intersection of Sam Houston Tollway and Lockwood Road in Harris County, Texas 77044 to located at 13939 Lockwood Road, near the City of Houston, in Harris County, Texas 77044.

The Copper single grab limit in the existing permit for the daily average flow of 0.64 MGD has been updated from 0.0538 mg/l to 0.0528 mg/l in the draft permit.

The *E. coli* limit in the existing permit has been corrected from a single grab to daily maximum for the daily average flow phase of 0.64 MGD.

The Total maximum daily load (TMDL) project *Fourteen Total Maximum Daily Loads for Nickel in the Houston Ship Channel System* (TMDL Project No.1) has been withdrawn and is no longer applicable.

Other Requirement No. 7 in the existing permit has been removed from the draft permit due to the applicant has submitted sufficient evidence of the buffer zone requirements being met for all phases of the draft permit.

The Plans and specifications for the Interim I phase with a daily average flow of 0.64 MGD have been approved for the draft permit.

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

8. DRAFT PERMIT RATIONALE

A. TECHNOLOGY-BASED EFFLUENT LIMITATIONS/CONDITIONS

Regulations promulgated in Title 40 of the CFR require that technology-based limitations be placed in wastewater discharge permits based on effluent limitations guidelines, where applicable, or on best professional judgment (BPJ) in the absence of guidelines.

Effluent limitations for maximum and minimum pH are in accordance with 40 CFR § 133.102(c) and 30 TAC § 309.1(b).

B. WATER QUALITY SUMMARY AND COASTAL MANAGEMENT PLAN

(1) WATER QUALITY SUMMARY

The treated effluent is discharged to a Harris County Flood Control District ditch P127-00-00, thence to Greens Bayou Above Tidal in Segment No. 1016 of the San Jacinto River Basin. The unclassified receiving water uses are minimal aquatic life use for Harris County Flood Control District ditch P127-00-00 and limited aquatic life use for Harris

County Flood Control District ditch P127-00-00 (after confluence with Harris County Flood Control District ditch P127-03-00). The designated uses for Segment No. 1016 are primary contact recreation and limited 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.

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. 1016 is not currently listed on the state's inventory of impaired and threatened waters (the 2020 CWA § 303(d) list).

On June 2, 2010, the Texas Commission on Environmental Quality (TCEQ) adopted Eight Total Maximum Daily Loads for Indicator Bacteria in Greens Bayou Above Tidal and Tributaries (TMDL 72B). The U.S. Environmental Protection Agency (USEPA) approved the TMDL on August 12, 2010. The total maximum daily load (TMDL) addresses elevated levels of bacteria in multiple segments and assessment units of these bayous and their tributaries. The waste load allocation (WLA) for wastewater treatment facilities was established as the permitted flow for each facility multiplied by one-half the geometric mean criterion for bacteria. Future growth from existing or new permitted sources is not limited by these TMDLs as long as the sources do not exceed the limits of one-half the bacteria geometric mean criterion for *E. coli*. To ensure that effluent limitations for this discharge are consistent with the WLAs provided in the TMDL, a concentration based effluent limitation for *E. coli* of 63 MPN per 100 ml has been continued in the draft permit.

Monitoring and reporting of total Kjeldahl nitrogen (TKN) was an original requirement of WLE-1 (*Waste Load Evaluation for the Houston Ship Channel System in the San Jacinto River Basin*, 1984). WLE-1 has since been superseded by WLE-1R, and with deterministic modeling now used to set effluent limits for all dischargers, reporting of TKN was suspended.

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.

(2) CONVENTIONAL PARAMETERS

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 TSWQS and the State of Texas Water Quality Management Plan (WQMP).

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

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.

(3) COASTAL MANAGEMENT PLAN

The facility is not located in the Coastal Management Program boundary.

C. WATER QUALITY-BASED EFFLUENT LIMITATIONS/CONDITIONS

(1) GENERAL COMMENTS

The Texas Surface Water Quality Standards (30 TAC Chapter 307) state that surface waters will not be toxic to man, or to terrestrial or aquatic life. The methodology outlined in the *"Procedures to Implement the Texas Surface Water Quality Standards, June 2010"* is designed to ensure compliance with 30 TAC Chapter 307. Specifically, the methodology is designed to ensure that no source will be allowed to discharge any wastewater that: (1) results in instream aquatic toxicity; (2) causes a violation of an applicable narrative or numerical state water quality standard; (3) results in the endangerment of a drinking water supply; or (4) results in aquatic bioaccumulation that threatens human health.

(2) AQUATIC LIFE CRITERIA

(a) SCREENING

Water quality-based effluent limitations are calculated from freshwater aquatic life criteria found in Table 1 of the Texas Surface Water Quality Standards (30 TAC Chapter 307).

There is no mixing zone for this discharge directly to an intermittent stream with perennial pools; acute and chronic freshwater criteria apply at the end of pipe. The following critical effluent percentages are being used:

Acute Effluent %	100%	Chronic Effluent %	100%
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Waste load allocations (WLAs) are calculated using the above estimated effluent percentages, criteria outlined in the Texas Surface Water Quality Standards, and partitioning coefficients for metals (when appropriate and designated in the implementation procedures). The WLA is the end-of-pipe effluent concentration that can be discharged when, after mixing in the receiving stream, instream numerical criteria will not be exceeded. From the WLA, a long-term average (LTA) is calculated using a log normal probability distribution, a given coefficient of variation (0.6), and a 90th percentile confidence level. The LTA is the long-term average effluent concentration for which the WLA will never be exceeded using a selected percentile confidence level. The lower of the two LTAs (acute and chronic) is used to calculate a daily average and daily maximum effluent limitation for the protection of aquatic life using the same statistical considerations with the 99th percentile confidence level and a standard number of monthly effluent samples collected (12). Assumptions used in deriving the effluent limitations include segment values for hardness, chlorides, pH, and total suspended solids (TSS) according to the segment-specific values contained in the TCEQ guidance document "*Procedures to Implement the Texas Surface Water Quality Standards, June 2010*." The segment values are 65 mg/l for hardness (as calcium carbonate), 81 mg/l chlorides, 7.5 standard units for pH, and 10 mg/l for TSS. For additional details on the calculation of water quality-based effluent limitations, refer to the TCEQ guidance document.

TCEQ practice for determining significant potential is to compare the reported analytical data against percentages of the calculated daily average water quality-based effluent limitation. Permit limitations are required when analytical data reported in the application exceeds 85% of the calculated daily average water quality-based effluent limitation. Monitoring and reporting is required when analytical data reported in the application exceeds 70% of the calculated daily average water quality-based effluent limitation. See Attachment A of this Fact Sheet.

(b) PERMIT ACTION

Analytical data reported in the application was screened against calculated water quality-based effluent limitations for the protection of aquatic life. Reported analytical data does not exceed 70% of the calculated daily average water quality-based effluent limitations for aquatic life protection.

The effluent limitations for Total Copper are continued from the existing permit.

(3) AQUATIC ORGANISM BIOACCUMULATION CRITERIA

(a) SCREENING

Menu 3

HCFCFCD ditch P127-00-00 (perennial portion)

Water quality-based effluent limitations for the protection of human health are calculated using criteria for the consumption of freshwater fish tissue found in Table 2 of the Texas Surface Water Quality Standards (30 TAC Chapter 307). Freshwater fish tissue bioaccumulation (and drinking water) criteria are applied at the edge of the human health mixing zone. The human health mixing zone for this discharge is identical to the aquatic life mixing zone. TCEQ uses the mass balance equation to estimate dilution at the edge of the human health mixing zone during average flow conditions. The estimated dilution at the edge of the human health mixing zone is calculated using the permitted flow of 2.8 MGD and the harmonic mean flow of 1.59 cfs for HCFCFCD ditch P127-00-00 (perennial portion). The following critical effluent percentage is being used:

Human Health Effluent %: 73.15%

Menu 7

Harris County Flood Control District (HCFD) ditch P127-00-00
(intermittent) thence to the HCFCFCD ditch P127-00-00 (intermittent
with perennial pools)

Water quality-based effluent limitations for the protection of human health are calculated using criteria for the consumption of freshwater fish tissue found in Table 2 of the Texas Surface Water Quality Standards (30 TAC Chapter 307). The discharge point is to an intermittent stream with perennial pools or to an intermittent stream within 3 miles upstream of an intermittent stream with perennial pools. Human health screening using incidental freshwater fish tissue criteria (= 10 X freshwater fish tissue criteria) is applicable due to the perennial pools that support incidental freshwater fisheries. TCEQ uses the mass balance equation to estimate dilution in the intermittent stream with perennial pools during average flow conditions. The estimated dilution for human health protection is calculated using the permitted flow of 2.8 MGD and the harmonic mean flow of 1.00 cfs for Harris County Flood Control District (HCFD) ditch P127-00-00 (intermittent) thence to the HCFCFCD ditch P127-00-00 (intermittent with perennial pools). The following effluent percentage is being used:

Human Health Effluent % 81.246%

Water quality-based effluent limitations for human health protection against the consumption of fish tissue are calculated using the same procedure as outlined for calculation of water quality-based effluent limitations for aquatic life protection. A 99th percentile confidence level in the long-term average calculation is used with only one long-term average value being calculated.

Significant potential is again determined by comparing reported

analytical data against 70% and 85% of the calculated daily average water quality-based effluent limitation. See Attachment A of this Fact Sheet.

(b) PERMIT ACTION

Reported analytical data does not exceed 70% of the calculated daily average water quality-based effluent limitation for human health protection.

(4) DRINKING WATER SUPPLY PROTECTION

(a) SCREENING

Water Quality Segment No. 1016, which receives the discharge from this facility, is not designated as a public water supply. Screening reported analytical data of the effluent against water quality-based effluent limitations calculated for the protection of a drinking water supply is not applicable.

(b) PERMIT ACTION

None.

(5) WHOLE EFFLUENT TOXICITY (BIOMONITORING) CRITERIA

(a) SCREENING

TCEQ has determined that there may be pollutants present in the effluent that may have the potential to cause toxic conditions in the receiving stream. Whole effluent biomonitoring is the most direct measure of potential toxicity that incorporates the effects of synergism of effluent components and receiving stream water quality characteristics. Biomonitoring of the effluent is, therefore, required as a condition of this permit to assess potential toxicity.

The applicant is not currently monitoring whole effluent toxicity because the requirements do not take effect until the Final 2.8 MGD phase.

REASONABLE POTENTIAL (RP) DETERMINATION

A reasonable potential determination was performed in accordance with 40 CFR §122.44(d)(1)(ii) to determine whether the discharge will reasonably be expected to cause or contribute to an exceedance of a state water quality standard or criterion within that standard. Each test species is evaluated separately. The RP determination is based on representative data from the previous three years of WET testing. This determination was performed in accordance with the methodology outlined in the TCEQ letter to the EPA dated December 28, 2015 and approved by the EPA in a letter dated December 28, 2015.

With no WET testing history, and therefore zero failures, a determination

of no RP was made. WET limits are not required, and the permittee may be eligible for the testing frequency reduction after one year of quarterly testing occurs.

(b) PERMIT ACTION

The test species are appropriate to measure the toxicity of the effluent consistent with the requirements of the State water quality standards. The biomonitoring frequency has been established to reflect the likelihood of ambient toxicity and to provide data representative of the toxic potential of the facility's discharge. This permit may be reopened to require effluent limits, additional testing, and/or other appropriate actions to address toxicity if biomonitoring data show actual or potential ambient toxicity to be the result of the permittee's discharge to the receiving stream or water body.

(6) WHOLE EFFLUENT TOXICITY CRITERIA (24-HOUR ACUTE)

(a) SCREENING

The existing permit includes 24-hour acute freshwater biomonitoring language. A summary of the biomonitoring testing for the facility indicates that this facility is operating in a phase with a design flow of less than 2.8 MGD. Therefore, there is no WET testing history to review. WET testing will commence within 90 days of initial discharge of 2.8 MGD.

(b) PERMIT ACTION

The applicant is not currently monitoring whole effluent toxicity because the requirements do not take effect until the 2.8 MGD Final phase.

9. WATER QUALITY VARIANCE REQUESTS

No variance requests have been received.

10. PROCEDURES FOR FINAL DECISION

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

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

sets a deadline for making public comments. The applicant must place a copy of the Executive Director's preliminary decision and draft permit in the public place with the application.

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

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

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

If the Executive Director calls a public meeting or the Commission grants a contested case hearing as described above, the Commission will give notice of the date, time, and place of the meeting or hearing. If a hearing request or request for reconsideration is made, the Commission will consider all public comments in making its decision and shall either adopt the Executive Director's response to public comments or prepare its own response.

For additional information about this application, contact Garrison Layne at (512) 239-0849.

11. ADMINISTRATIVE RECORD

The following items were considered in developing the draft permit:

A. PERMIT(S)

TPDES Permit No. WQ0014625001 issued on March 4, 2020.

B. APPLICATION

Application received on August 30, 2024, and additional information received on May 23, 2025.

C. MEMORANDA

Interoffice Memoranda from the Water Quality Assessment Section of the TCEQ

Water Quality Division. Interoffice Memorandum from the Pretreatment Team of the TCEQ Water Quality Division.

D. MISCELLANEOUS

Federal Clean Water Act § 402; Texas Water Code § 26.027; 30 TAC Chapters 30, 305, 309, 312, and 319; Commission policies; and U.S. Environmental Protection Agency guidelines.

Texas Surface Water Quality Standards, 30 TAC §§ 307.1 - 307.10.

Procedures to Implement the Texas Surface Water Quality Standards (IP), Texas Commission on Environmental Quality, June 2010, as approved by the U.S. Environmental Protection Agency, and the IP, January 2003, for portions of the 2010 IP not approved by the U.S. Environmental Protection Agency.

Texas 2020 Clean Water Act Section 303(d) List, Texas Commission on Environmental Quality, March 25, 2020; approved by the U.S. Environmental Protection Agency on May 12, 2020.

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.

Eight Total Maximum Daily Loads for Indicator Bacteria in Greens Bayou Above Tidal and Tributaries (TMDL Project 72B).

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Attachment A: Calculated Water Quality Based Effluent Limitations

TEXTTOX MENU #3 - PERENNIAL STREAM OR RIVER

HUMAN HEALTH ONLY

The water quality-based effluent limitations developed below are calculated using:

Table 2, 2018 Texas Surface Water Quality Standards for Human Health

"Procedures to Implement the Texas Surface Water Quality Standards," TCEQ, June 2010

PERMIT INFORMATION

Permittee Name:	Generation Park Management District
TPDES Permit No.:	WQ0014625001
Outfall No.:	001
Prepared by:	Garrison Layne
Date:	5/16/2025

DISCHARGE INFORMATION

Receiving Waterbody:	HCFCF ditch P127-00-00 (perennial portion)
Segment No.:	1016
TSS (mg/L):	10
Effluent Flow for Human Health (MGD):	2.8
Harmonic Mean Flow (cfs):	1.59
% Effluent for Human Health:	73.15
Human Health Criterion (select: PWS or FISH)	FISH

CALCULATE DISSOLVED FRACTION (AND ENTER WATER EFFECT RATIO IF APPLICABLE):

<i>Stream/River Metal</i>	<i>Intercept (b)</i>	<i>Slope (m)</i>	<i>Partition Coefficient (Kp)</i>	<i>Dissolved Fraction (Cd/Ct)</i>	<i>Source</i>	<i>Water Effect Ratio (WER)</i>	<i>Source</i>
Aluminum	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Arsenic	5.68	-0.73	89125.09	0.529		1.00	Assumed
Cadmium	6.60	-1.13	295120.9	0.253		1.00	Assumed
Chromium (total)	6.52	-0.93	389045.1	0.204		1.00	Assumed
Chromium (trivalent)	6.52	-0.93	389045.1	0.204		1.00	Assumed
Chromium (hexavalent)	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Copper	6.02	-0.74	190546.0	0.344		1.00	Assumed
Lead	6.45	-0.80	446683.5	0.183		1.00	Assumed
Mercury	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Nickel	5.69	-0.57	131825.6	0.431		1.00	Assumed
Selenium	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Silver	6.38	-1.03	223872.1	0.309		1.00	Assumed
Zinc	6.10	-0.70	251188.6	0.285		1.00	Assumed

HUMAN HEALTH

CALCULATE DAILY AVERAGE AND DAILY MAXIMUM EFFLUENT LIMITATIONS:

Generation Park Management District TPDES Permit No. WQ0014625001
Fact Sheet and Executive Director's Preliminary Decision

<i>Parameter</i>	<i>Water and Fish Criterion (µg/L)</i>	<i>Fish Only Criterion (µg/L)</i>	<i>WLAh (µg/L)</i>	<i>LTAh (µg/L)</i>	<i>Daily Avg. (µg/L)</i>	<i>Daily Max. (µg/L)</i>
Acrylonitrile	1.0	115	157	146	214	454
Aldrin	1.146E-05	1.147E-05	0.0000157	0.0000146	0.0000214	0.0000454
Anthracene	1109	1317	1800	1674	2460	5206
Antimony	6	1071	1464	1362	2002	4235
Arsenic	10	N/A	N/A	N/A	N/A	N/A
Barium	2000	N/A	N/A	N/A	N/A	N/A
Benzene	5	581	794	738	1084	2295
Benzidine	0.0015	0.107	0.146	0.136	0.199	0.422
Benzo(a)anthracene	0.024	0.025	0.0342	0.0318	0.0467	0.0988
Benzo(a)pyrene	0.0025	0.0025	0.00342	0.00318	0.00467	0.00988
Bis(chloromethyl)ether	0.0024	0.2745	0.375	0.349	0.513	1.08
Bis(2-chloroethyl)ether	0.60	42.83	58.5	54.4	79.9	169
Bis(2-ethylhexyl) phthalate [Di(2-ethylhexyl) phthalate]	6	7.55	10.3	9.58	14.0	29.7
Bromodichloromethane [Dichlorobromomethane]	10.2	275	376	350	514	1088
Bromoform [Tribromomethane]	66.9	1060	1449	1348	1981	4192
Cadmium	5	N/A	N/A	N/A	N/A	N/A
Carbon Tetrachloride	4.5	46	62.9	58.5	85.9	181
Chlordane	0.0025	0.0025	0.00342	0.00318	0.00467	0.00988
Chlorobenzene	100	2737	3742	3480	5115	10822
Chlorodibromomethane [Dibromochloromethane]	7.5	183	250	233	342	724
Chloroform [Trichloromethane]	70	7697	10522	9785	14383	30431
Chromium (hexavalent)	62	502	686	638	937	1984
Chrysene	2.45	2.52	3.44	3.20	4.70	9.95
Cresols [Methylphenols]	1041	9301	12715	11825	17382	36775
Cyanide (free)	200	N/A	N/A	N/A	N/A	N/A
4,4'-DDD	0.002	0.002	0.00273	0.00254	0.00373	0.00789
4,4'-DDE	0.00013	0.00013	0.000178	0.000166	0.000244	0.000516
4,4'-DDT	0.0004	0.0004	0.000547	0.000509	0.000748	0.00158
2,4'-D	70	N/A	N/A	N/A	N/A	N/A
Danitol [Fenpropathrin]	262	473	647	602	884	1872
1,2-Dibromoethane [Ethylene Dibromide]	0.17	4.24	5.80	5.39	7.92	16.7
<i>m</i> -Dichlorobenzene [1,3-Dichlorobenzene]	322	595	813	756	1111	2351
<i>o</i> -Dichlorobenzene [1,2-Dichlorobenzene]	600	3299	4510	4194	6165	13043
<i>p</i> -Dichlorobenzene [1,4-Dichlorobenzene]	75	N/A	N/A	N/A	N/A	N/A
3,3'-Dichlorobenzidine	0.79	2.24	3.06	2.85	4.18	8.86
1,2-Dichloroethane	5	364	498	463	680	1439
1,1-Dichloroethylene [1,1-Dichloroethene]	7	55114	75342	70068	102999	217911
Dichloromethane [Methylene Chloride]	5	13333	18226	16950	24916	52714
1,2-Dichloropropane	5	259	354	329	483	1023
1,3-Dichloropropene [1,3-Dichloropropylene]	2.8	119	163	152	223	472
Dicofol [Kelthane]	0.30	0.30	0.410	0.381	0.560	1.18
			0.000027	0.000025	0.000037	0.000078
Dieldrin	2.0E-05	2.0E-05	3	4	3	9
2,4-Dimethylphenol	444	8436	11532	10725	15765	33354
Di- <i>n</i> -Butyl Phthalate	88.9	92.4	126	117	171	363
Dioxins/Furans [TCDD Equivalents]	7.80E-08	7.97E-08	1.09E-07	1.01E-07	1.48E-07	3.14E-07
Endrin	0.02	0.02	0.0273	0.0254	0.0373	0.0789
Epichlorohydrin	53.5	2013	2752	2559	3761	7958
Ethylbenzene	700	1867	2552	2373	3488	7380

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				2135828	3139667	6642425
Ethyl Glycol	46744	1.68E+07	22965893	0	1	0
Fluoride	4000	N/A	N/A	N/A	N/A	N/A
Heptachlor	8.0E-05	0.0001	0.000137	0.000127	0.000186	0.000394
Heptachlor Epoxide	0.00029	0.00029	0.000396	0.000368	0.000540	0.00114
Hexachlorobenzene	0.00068	0.00068	0.000930	0.000865	0.00127	0.00269
Hexachlorobutadiene	0.21	0.22	0.301	0.280	0.411	0.870
Hexachlorocyclohexane (<i>alpha</i>)	0.0078	0.0084	0.0115	0.0107	0.0157	0.0332
Hexachlorocyclohexane (<i>beta</i>)	0.15	0.26	0.355	0.330	0.485	1.02
Hexachlorocyclohexane (<i>gamma</i>) [Lindane]	0.2	0.341	0.466	0.433	0.636	1.34
Hexachlorocyclopentadiene	10.7	11.6	15.9	14.8	21.7	46.0
Hexachloroethane	1.84	2.33	3.19	2.97	4.36	9.23
Hexachlorophene	2.05	2.90	3.96	3.68	5.40	11.4
4,4'-Isopropylidenediphenol [Bisphenol A]	1092	15982	21848	20319	29868	63192
Lead	1.15	3.83	28.6	26.6	39.1	82.7
Mercury	0.0122	0.0122	0.0167	0.0155	0.0227	0.0482
Methoxychlor	2.92	3.0	4.10	3.81	5.60	11.8
Methyl Ethyl Ketone	13865	9.92E+05	1356081	1261155	1853897	3922192
Methyl <i>tert</i> -butyl ether [MTBE]	15	10482	14329	13326	19589	41443
Nickel	332	1140	3613	3360	4939	10449
Nitrate-Nitrogen (as Total Nitrogen)	10000	N/A	N/A	N/A	N/A	N/A
Nitrobenzene	45.7	1873	2560	2381	3500	7404
N-Nitrosodiethylamine	0.0037	2.1	2.87	2.67	3.92	8.30
N-Nitroso-di- <i>n</i> -Butylamine	0.119	4.2	5.74	5.34	7.84	16.6
Pentachlorobenzene	0.348	0.355	0.485	0.451	0.662	1.40
Pentachlorophenol	0.22	0.29	0.396	0.368	0.540	1.14
Polychlorinated Biphenyls [PCBs]	6.4E-04	6.4E-04	0.000875	0.000814	0.00119	0.00253
Pyridine	23	947	1295	1204	1769	3744
Selenium	50	N/A	N/A	N/A	N/A	N/A
1,2,4,5-Tetrachlorobenzene	0.23	0.24	0.328	0.305	0.448	0.948
1,1,2,2-Tetrachloroethane	1.64	26.35	36.0	33.5	49.2	104
Tetrachloroethylene [Tetrachloroethylene]	5	280	383	356	523	1107
Thallium	0.12	0.23	0.314	0.292	0.429	0.908
Toluene	1000	N/A	N/A	N/A	N/A	N/A
Toxaphene	0.011	0.011	0.0150	0.0140	0.0205	0.0435
2,4,5-TP [Silvex]	50	369	504	469	689	1458
1,1,1-Trichloroethane	200	784354	1072226	997170	1465839	3101198
1,1,2-Trichloroethane	5	166	227	211	310	656
Trichloroethylene [Trichloroethene]	5	71.9	98.3	91.4	134	284
2,4,5-Trichlorophenol	1039	1867	2552	2373	3488	7380
TTHM [Sum of Total Trihalomethanes]	80	N/A	N/A	N/A	N/A	N/A
Vinyl Chloride	0.23	16.5	22.6	21.0	30.8	65.3

CALCULATE 70% AND 85% OF DAILY AVERAGE EFFLUENT LIMITATIONS:

	70% of Daily Avg.	85% of Daily Avg.
Human Health		
Parameter	(µg/L)	(µg/L)
Acrylonitrile	149	181
Aldrin	0.000014	0.000018
Anthracene	9	1
Antimony	1722	2091
Arsenic	1401	1701
	N/A	N/A

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Barium	N/A	N/A
Benzene	758	921
Benzidine	0.139	0.169
Benzo(a)anthracene	0.0326	0.0396
Benzo(a)pyrene	0.00326	0.00396
Bis(chloromethyl)ether	0.359	0.436
Bis(2-chloroethyl)ether	55.9	67.9
Bis(2-ethylhexyl) phthalate [Di(2-ethylhexyl) phthalate]	9.80	11.9
Bromodichloromethane [Dichlorobromomethane]	359	436
Bromoform [Tribromomethane]	1386	1683
Cadmium	N/A	N/A
Carbon Tetrachloride	60.1	73.0
Chlordane	0.00326	0.00396
Chlorobenzene	3580	4347
Chlorodibromomethane [Dibromochloromethane]	239	290
Chloroform [Trichloromethane]	10068	12225
Chromium (hexavalent)	655	796
Chrysene	3.29	3.99
Cresols [Methylphenols]	12167	14774
Cyanide (free)	N/A	N/A
4,4'-DDD	0.00261	0.00317
4,4'-DDE	0.000170	0.000207
4,4'-DDT	0.000523	0.000635
2,4'-D	N/A	N/A
Danitol [Fenprothrin]	618	751
1,2-Dibromoethane [Ethylene Dibromide]	5.54	6.73
<i>m</i> -Dichlorobenzene [1,3-Dichlorobenzene]	777	944
<i>o</i> -Dichlorobenzene [1,2-Dichlorobenzene]	4315	5240
<i>p</i> -Dichlorobenzene [1,4-Dichlorobenzene]	N/A	N/A
3,3'-Dichlorobenzidine	2.92	3.55
1,2-Dichloroethane	476	578
1,1-Dichloroethylene [1,1-Dichloroethene]	72099	87549
Dichloromethane [Methylene Chloride]	17441	21178
1,2-Dichloropropane	338	410
1,3-Dichloropropene [1,3-Dichloropropylene]	156	189
Dicofol [Kelthane]	0.392	0.476
	0.000026	0.000031
Dieldrin	1	7
2,4-Dimethylphenol	11035	13400
Di- <i>n</i> -Butyl Phthalate	119	145
Dioxins/Furans [TCDD Equivalents]	1.03E-07	1.25E-07
Endrin	0.0261	0.0317
Epichlorohydrin	2632	3196
Ethylbenzene	2441	2964
	2197766	2668717
Ethyl Glycol	9	0
Fluoride	N/A	N/A
Heptachlor	0.000130	0.000158
Heptachlor Epoxide	0.000378	0.000459
Hexachlorobenzene	0.000889	0.00107
Hexachlorobutadiene	0.287	0.349
Hexachlorocyclohexane (<i>alpha</i>)	0.0109	0.0133
Hexachlorocyclohexane (<i>beta</i>)	0.339	0.412
Hexachlorocyclohexane (<i>gamma</i>) [Lindane]	0.445	0.540

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Hexachlorocyclopentadiene	15.1	18.4
Hexachloroethane	3.05	3.70
Hexachlorophene	3.78	4.59
4,4'-Isopropylidenediphenol [Bisphenol A]	20907	25387
Lead	27.3	33.2
Mercury	0.0158	0.0192
Methoxychlor	3.92	4.76
Methyl Ethyl Ketone	1297727	1575812
Methyl <i>tert</i> -butyl ether [MTBE]	13712	16650
Nickel	3457	4198
Nitrate-Nitrogen (as Total Nitrogen)	N/A	N/A
Nitrobenzene	2450	2975
N-Nitrosodiethylamine	2.74	3.33
N-Nitroso-di- <i>n</i> -Butylamine	5.48	6.66
Pentachlorobenzene	0.463	0.562
Pentachlorophenol	0.378	0.459
Polychlorinated Biphenyls [PCBs]	0.000833	0.00101
Pyridine	1238	1503
Selenium	N/A	N/A
1,2,4,5-Tetrachlorobenzene	0.313	0.380
1,1,2,2-Tetrachloroethane	34.4	41.8
Tetrachloroethylene [Tetrachloroethylene]	366	444
Thallium	0.300	0.364
Toluene	N/A	N/A
Toxaphene	0.0143	0.0174
2,4,5-TP [Silvex]	482	585
1,1,1-Trichloroethane	1026087	1245963
1,1,2-Trichloroethane	217	263
Trichloroethylene [Trichloroethene]	93.8	113
2,4,5-Trichlorophenol	2441	2964
TTHM [Sum of Total Trihalomethanes]	N/A	N/A
Vinyl Chloride	21.5	26.1

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TEXTOX MENU #7 - INTERMITTENT STREAM WITH PERENNIAL POOLS

The water quality-based effluent limitations developed below are calculated using:

Table 1, 2014 Texas Surface Water Quality Standards (30 TAC 307) for Freshwater Aquatic Life

Table 2, 2018 Texas Surface Water Quality Standards for Human Health, Incidental Fishery

"Procedures to Implement the Texas Surface Water Quality Standards," TCEQ, June 2010

PERMIT INFORMATION

Permittee Name:	Generation Park Management District
TPDES Permit No.:	WQ0014625001
Outfall No.:	001
Prepared by:	Garrison Layne
Date:	5/16/2025

DISCHARGE INFORMATION

Intermittent Receiving Waterbody:	Harris County Flood Control District (HCFD) ditch P127-00-00
Segment No.:	1016
TSS (mg/L):	10
pH (Standard Units):	7.5
Hardness (mg/L as CaCO ₃):	65
Chloride (mg/L):	81
Effluent Flow for Aquatic Life (MGD):	2.8
Critical Low Flow [7Q2] (cfs):	0
% Effluent for Chronic Aquatic Life:	100
% Effluent for Acute Aquatic Life:	100
Effluent Flow for Human Health (MGD):	2.8
Harmonic Mean Flow (cfs):	1
% Effluent for Human Health:	81.246

CALCULATE DISSOLVED FRACTION (AND ENTER WATER EFFECT RATIO IF APPLICABLE):

<i>Stream/River Metal</i>	<i>Intercept (b)</i>	<i>Slope (m)</i>	<i>Partition Coefficient (Kp)</i>	<i>Dissolved Fraction (Cd/Ct)</i>	<i>Source</i>	<i>Water Effect Ratio (WER)</i>	<i>Source</i>
Aluminum	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Arsenic	5.68	-0.73	89125.09	0.529		1.00	Assumed
Cadmium	6.60	-1.13	295120.9	0.253		1.00	Assumed
Chromium (total)	6.52	-0.93	389045.1	0.204		1.00	Assumed
Chromium (trivalent)	6.52	-0.93	389045.1	0.204		1.00	Assumed
Chromium (hexavalent)	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Copper	6.02	-0.74	190546.0	0.344		1.00	Assumed
Lead	6.45	-0.80	446683.5	0.183		1.00	Assumed
Mercury	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Nickel	5.69	-0.57	131825.6	0.431		1.00	Assumed
Selenium	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Silver	6.38	-1.03	223872.1	0.309		1.00	Assumed

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Zinc	6.10	-0.70	251188.6 4	0.285	1.00	Assumed
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AQUATIC LIFE

CALCULATE DAILY AVERAGE AND DAILY MAXIMUM EFFLUENT LIMITATIONS:

<i>Parameter</i>	<i>FW Acute Criterion (µg/L)</i>	<i>FW Chronic Criterion (µg/L)</i>	<i>WLAa (µg/L)</i>	<i>WLAc (µg/L)</i>	<i>LTAa (µg/L)</i>	<i>LTAc (µg/L)</i>	<i>Daily Avg. (µg/L)</i>	<i>Daily Max. (µg/L)</i>
Aldrin	3.0	N/A	3.00	N/A	1.72	N/A	2.52	5.34
Aluminum	991	N/A	991	N/A	568	N/A	834	1765
Arsenic	340	150	643	284	368	218	321	679
Cadmium	5.6	0.182	22.3	0.720	12.8	0.555	0.815	1.72
Carbaryl	2.0	N/A	2.00	N/A	1.15	N/A	1.68	3.56
Chlordane	2.4	0.004	2.40	0.00400	1.38	0.00308	0.00452	0.00957
Chlorpyrifos	0.083	0.041	0.0830	0.0410	0.0476	0.0316	0.0464	0.0981
Chromium (+3)	400	52	1958	255	1122	196	288	609
Chromium (+6)	15.7	10.6	15.7	10.6	9.00	8.16	11.9	25.3
Copper	9.5	6.6	27.5	19.0	15.8	14.7	21.5	45.5
Cyanide (free)	45.8	10.7	45.8	10.7	26.2	8.24	12.1	25.6
4,4'-DDT	1.1	0.001	1.10	0.00100	0.630	0.000770	0.00113	0.00239
Demeton	N/A	0.1	N/A	0.100	N/A	0.0770	0.113	0.239
Diazinon	0.17	0.17	0.170	0.170	0.0974	0.131	0.143	0.302
Dicofol	59.3	19.8	59.3	19.8	34.0	15.2	22.4	47.4
Dieldrin	0.24	0.002	0.240	0.00200	0.138	0.00154	0.00226	0.00478
Diuron	210	70	210	70.0	120	53.9	79.2	167
Endosulfan I (alpha)	0.22	0.056	0.220	0.0560	0.126	0.0431	0.0633	0.134
Endosulfan II (beta)	0.22	0.056	0.220	0.0560	0.126	0.0431	0.0633	0.134
Endosulfan sulfate	0.22	0.056	0.220	0.0560	0.126	0.0431	0.0633	0.134
Endrin	0.086	0.002	0.0860	0.00200	0.0493	0.00154	0.00226	0.00478
Guthion	N/A	0.01	N/A	0.0100	N/A	0.00770	0.0113	0.0239
Heptachlor	0.52	0.004	0.520	0.00400	0.298	0.00308	0.00452	0.00957
Hexachlorocyclohexane (Lindane)	1.126	0.08	1.13	0.0800	0.645	0.0616	0.0905	0.191
Lead	40	1.57	220	8.58	126	6.61	9.71	20.5
Malathion	N/A	0.01	N/A	0.0100	N/A	0.00770	0.0113	0.0239
Mercury	2.4	1.3	2.40	1.30	1.38	1.00	1.47	3.11
Methoxychlor	N/A	0.03	N/A	0.0300	N/A	0.0231	0.0339	0.0718
Mirex	N/A	0.001	N/A	0.00100	N/A	0.000770	0.00113	0.00239
Nickel	325	36.1	754	83.7	432	64.5	94.7	200
Nonylphenol	28	6.6	28.0	6.60	16.0	5.08	7.47	15.8
Parathion (ethyl)	0.065	0.013	0.0650	0.0130	0.0372	0.0100	0.0147	0.0311
Pentachlorophenol	14.4	11.1	14.4	11.1	8.26	8.52	12.1	25.6
Phenanthrene	30	30	30.0	30.0	17.2	23.1	25.2	53.4
Polychlorinated Biphenyls (PCBs)	2.0	0.014	2.00	0.0140	1.15	0.0108	0.0158	0.0335
Selenium	20	5	20.0	5.00	11.5	3.85	5.65	11.9
Silver	0.8	N/A	17.7	N/A	10.1	N/A	14.8	31.4
Toxaphene	0.78	0.0002	0.780	0.000200	0.447	0.000154	0.000226	0.000478
Tributyltin (TBT)	0.13	0.024	0.130	0.0240	0.0745	0.0185	0.0271	0.0574
2,4,5 Trichlorophenol	136	64	136	64.0	77.9	49.3	72.4	153

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Zinc 81 82 286 288 164 222 240 509

HUMAN HEALTH (APPLIES FOR INCIDENTAL FRESHWATER FISH TISSUE)

CALCULATE DAILY AVERAGE AND DAILY MAXIMUM EFFLUENT LIMITATIONS:

<i>Parameter</i>	<i>Incidental Fish Criterion (µg/L)</i>	<i>WLAh (µg/L)</i>	<i>LTAh (µg/L)</i>	<i>Daily Avg. (µg/L)</i>	<i>Daily Max. (µg/L)</i>
Acrylonitrile	1150	1415	1316	1935	4093
Aldrin	1.147E-04	0.000141	0.000131	0.000193	0.00040
Anthracene	13170	16210	15075	22160	46884
Antimony	10710	13182	12259	18021	38126
Arsenic	N/A	N/A	N/A	N/A	N/A
Barium	N/A	N/A	N/A	N/A	N/A
Benzene	5810	7151	6651	9776	20683
Benzidine	1.07	1.32	1.22	1.80	3.80
Benzo(a)anthracene	0.25	0.308	0.286	0.420	0.889
Benzo(a)pyrene	0.025	0.0308	0.0286	0.0420	0.0889
Bis(chloromethyl)ether	2.745	3.38	3.14	4.61	9.77
Bis(2-chloroethyl)ether	428.3	527	490	720	1524
Bis(2-ethylhexyl) phthalate [Di(2-ethylhexyl) phthalate]	75.5	92.9	86.4	127	268
Bromodichloromethane [Dichlorobromomethane]	2750	3385	3148	4627	9789
Bromoform [Tribromomethane]	10600	13047	12134	17836	37735
Cadmium	N/A	N/A	N/A	N/A	N/A
Carbon Tetrachloride	460	566	527	774	1637
Chlordane	0.025	0.0308	0.0286	0.0420	0.0889
Chlorobenzene	27370	33688	31330	46054	97435
Chlorodibromomethane [Dibromochloromethane]	1830	2252	2095	3079	6514
Chloroform [Trichloromethane]	76970	94737	88105	129514	274007
Chromium (hexavalent)	5020	6179	5746	8446	17870
Chrysene	25.2	31.0	28.8	42.4	89.7
Cresols [Methylphenols]	93010	114479	106466	156504	331108
Cyanide (free)	N/A	N/A	N/A	N/A	N/A
4,4'-DDD	0.02	0.0246	0.0229	0.0336	0.0711
4,4'-DDE	0.0013	0.00160	0.00149	0.00218	0.00462
4,4'-DDT	0.004	0.00492	0.00458	0.00673	0.0142
2,4'-D	N/A	N/A	N/A	N/A	N/A
Danitol [Fenprothrin]	4730	5822	5414	7959	16838
1,2-Dibromoethane [Ethylene Dibromide]	42.4	52.2	48.5	71.3	150
m-Dichlorobenzene [1,3-Dichlorobenzene]	5950	7323	6811	10011	21181
o-Dichlorobenzene [1,2-Dichlorobenzene]	32990	40605	37763	55511	117441
p-Dichlorobenzene [1,4-Dichlorobenzene]	N/A	N/A	N/A	N/A	N/A
3,3'-Dichlorobenzidine	22.4	27.6	25.6	37.6	79.7
1,2-Dichloroethane	3640	4480	4167	6124	12958
1,1-Dichloroethylene [1,1-Dichloroethene]	551140	678359	630874	927384	1962017
Dichloromethane [Methylene Chloride]	133330	164106	152619	224349	474644
1,2-Dichloropropane	2590	3188	2965	4358	9220
1,3-Dichloropropene [1,3-Dichloropropylene]	1190	1465	1362	2002	4236
Dicofol [Kelthane]	3	3.69	3.43	5.04	10.6
Dieldrin	2.0E-04	0.000246	0.000229	0.000336	0.00071
2,4-Dimethylphenol	84360	103833	96564	141949	300315

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Di- <i>n</i> -Butyl Phthalate	924	1137	1058	1554	3289
				0.000001	0.00000
Dioxins/Furans [TCDD Equivalents]	7.97E-07	9.81E-07	9.12E-07	3	28
Endrin	0.2	0.246	0.229	0.336	0.711
Epichlorohydrin	20130	24777	23042	33872	71661
Ethylbenzene	18670	22980	21371	31415	66463
		20677920	1923046	2826878	5980674
Ethylene Glycol	1.68E+08	0	56	44	80
Fluoride	N/A	N/A	N/A	N/A	N/A
Heptachlor	0.001	0.00123	0.00114	0.00168	0.00355
Heptachlor Epoxide	0.0029	0.00357	0.00332	0.00487	0.0103
Hexachlorobenzene	0.0068	0.00837	0.00778	0.0114	0.0242
Hexachlorobutadiene	2.2	2.71	2.52	3.70	7.83
Hexachlorocyclohexane (<i>alpha</i>)	0.084	0.103	0.0962	0.141	0.299
Hexachlorocyclohexane (<i>beta</i>)	2.6	3.20	2.98	4.37	9.25
Hexachlorocyclohexane (<i>gamma</i>)					
[Lindane]	3.41	4.20	3.90	5.73	12.1
Hexachlorocyclopentadiene	116	143	133	195	412
Hexachloroethane	23.3	28.7	26.7	39.2	82.9
Hexachlorophene	29	35.7	33.2	48.7	103
4,4'-Isopropylidenediphenol [Bisphenol A]	159820	196711	182941	268923	568947
Lead	38.3	258	240	352	745
Mercury	0.122	0.150	0.140	0.205	0.434
Methoxychlor	30	36.9	34.3	50.4	106
			1135513	1669204	3531446
Methyl Ethyl Ketone	9.92E+06	12209819	2	4	0
Methyl <i>tert</i> -butyl ether [MTBE]	104820	129015	119984	176377	373151
Nickel	11400	32528	30251	44469	94082
Nitrate-Nitrogen (as Total Nitrogen)	N/A	N/A	N/A	N/A	N/A
Nitrobenzene	18730	23053	21440	31516	66677
N-Nitrosodiethylamine	21	25.8	24.0	35.3	74.7
N-Nitroso-di- <i>n</i> -Butylamine	42	51.7	48.1	70.6	149
Pentachlorobenzene	3.55	4.37	4.06	5.97	12.6
Pentachlorophenol	2.9	3.57	3.32	4.87	10.3
Polychlorinated Biphenyls [PCBs]	6.40E-03	0.00788	0.00733	0.0107	0.0227
Pyridine	9470	11656	10840	15934	33712
Selenium	N/A	N/A	N/A	N/A	N/A
1,2,4,5-Tetrachlorobenzene	2.4	2.95	2.75	4.03	8.54
1,1,2,2-Tetrachloroethane	263.5	324	302	443	938
Tetrachloroethylene [Tetrachloroethylene]	2800	3446	3205	4711	9967
Thallium	2.3	2.83	2.63	3.87	8.18
Toluene	N/A	N/A	N/A	N/A	N/A
Toxaphene	0.11	0.135	0.126	0.185	0.391
2,4,5-TP [Silvex]	3690	4542	4224	6209	13136
				1319805	2792241
1,1,1-Trichloroethane	7843540	9654053	8978269	6	7
1,1,2-Trichloroethane	1660	2043	1900	2793	5909
Trichloroethylene [Trichloroethene]	719	885	823	1209	2559
2,4,5-Trichlorophenol	18670	22980	21371	31415	66463
TTHM [Sum of Total Trihalomethanes]	N/A	N/A	N/A	N/A	N/A
Vinyl Chloride	165	203	189	277	587

**CALCULATE 70% AND 85% OF DAILY AVERAGE EFFLUENT
LIMITATIONS:**

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Aquatic Life	70% of Daily Avg.	85% of Daily Avg.
Parameter	(µg/L)	(µg/L)
Aldrin	1.76	2.14
Aluminum	584	709
Arsenic	224	272
Cadmium	0.570	0.693
Carbaryl	1.17	1.43
Chlordane	0.00316	0.00384
Chlorpyrifos	0.0324	0.0394
Chromium (+3)	201	245
Chromium (+6)	8.39	10.1
Copper	15.0	18.3
Cyanide (free)	8.47	10.2
4,4'-DDT	0.000792	0.000962
Demeton	0.0792	0.0962
Diazinon	0.100	0.121
Dicofol	15.6	19.0
Dieldrin	0.00158	0.00192
Diuron	55.4	67.3
Endosulfan (alpha)	0.0443	0.0538
Endosulfan (beta)	0.0443	0.0538
Endosulfan sulfate	0.0443	0.0538
Endrin	0.00158	0.00192
Guthion	0.00792	0.00962
Heptachlor	0.00316	0.00384
Hexachlorocyclohexane (Lindane)	0.0633	0.0769
Lead	6.79	8.25
Malathion	0.00792	0.00962
Mercury	1.03	1.25
Methoxychlor	0.0237	0.0288
Mirex	0.000792	0.000962
Nickel	66.3	80.5
Nonylphenol	5.22	6.34
Parathion (ethyl)	0.0103	0.0125
Pentachlorophenol	8.50	10.3
Phenanthrene	17.6	21.4
Polychlorinated Biphenyls (PCBs)	0.0110	0.0134
Selenium	3.96	4.81
Silver	10.4	12.6
Toxaphene	0.000158	0.000192
Tributyltin (TBT)	0.0190	0.0230
2,4,5 Trichlorophenol	50.7	61.5
Zinc	168	204

Human Health	70% of Daily Avg.	85% of Daily Avg.
Parameter	(µg/L)	(µg/L)
Acrylonitrile	1354	1644
Aldrin	0.000135	0.000164
Anthracene	15512	18836
Antimony	12614	15318
Arsenic	N/A	N/A

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Barium	N/A	N/A
Benzene	6843	8309
Benzidine	1.26	1.53
Benzo(a)anthracene	0.294	0.357
Benzo(a)pyrene	0.0294	0.0357
Bis(chloromethyl)ether	3.23	3.92
Bis(2-chloroethyl)ether	504	612
Bis(2-ethylhexyl) phthalate [Di(2-ethylhexyl) phthalate]	88.9	107
Bromodichloromethane [Dichlorobromomethane]	3239	3933
Bromoform [Tribromomethane]	12485	15160
Cadmium	N/A	N/A
Carbon Tetrachloride	541	657
Chlordane	0.0294	0.0357
Chlorobenzene	32238	39146
Chlorodibromomethane [Dibromochloromethane]	2155	2617
Chloroform [Trichloromethane]	90660	110087
Chromium (hexavalent)	5912	7179
Chrysene	29.6	36.0
Cresols [Methylphenols]	109553	133029
Cyanide (free)	N/A	N/A
4,4'-DDD	0.0235	0.0286
4,4'-DDE	0.00153	0.00185
4,4'-DDT	0.00471	0.00572
2,4'-D	N/A	N/A
Danitrol [Fenpropathrin]	5571	6765
1,2-Dibromoethane [Ethylene Dibromide]	49.9	60.6
<i>m</i> -Dichlorobenzene [1,3-Dichlorobenzene]	7008	8510
<i>o</i> -Dichlorobenzene [1,2-Dichlorobenzene]	38857	47184
<i>p</i> -Dichlorobenzene [1,4-Dichlorobenzene]	N/A	N/A
3,3'-Dichlorobenzidine	26.3	32.0
1,2-Dichloroethane	4287	5206
1,1-Dichloroethylene [1,1-Dichloroethene]	649169	788276
Dichloromethane [Methylene Chloride]	157044	190697
1,2-Dichloropropane	3050	3704
1,3-Dichloropropene [1,3-Dichloropropylene]	1401	1702
Dicofol [Kelthane]	3.53	4.29
Dieldrin	0.000235	0.000286
2,4-Dimethylphenol	99364	120657
Di- <i>n</i> -Butyl Phthalate	1088	1321
		0.000001
Dioxins/Furans [TCDD Equivalents]	9.38E-07	1
Endrin	0.235	0.286
Epichlorohydrin	23710	28791
Ethylbenzene	21990	26703
	19788149	24028466
Ethylene Glycol	1	7
Fluoride	N/A	N/A
Heptachlor	0.00117	0.00143
Heptachlor Epoxide	0.00341	0.00414
Hexachlorobenzene	0.00800	0.00972
Hexachlorobutadiene	2.59	3.14
Hexachlorocyclohexane (<i>alpha</i>)	0.0989	0.120

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Hexachlorocyclohexane (<i>beta</i>)	3.06	3.71
Hexachlorocyclohexane (<i>gamma</i>) [Lindane]	4.01	4.87
Hexachlorocyclopentadiene	136	165
Hexachloroethane	27.4	33.3
Hexachlorophene	34.1	41.4
4,4'-Isopropylidenediphenol [Bisphenol A]	188246	228585
Lead	246	299
Mercury	0.143	0.174
Methoxychlor	35.3	42.9
Methyl Ethyl Ketone	11684430	14188237
Methyl <i>tert</i> -butyl ether [MTBE]	123463	149920
Nickel	31128	37799
Nitrate-Nitrogen (as Total Nitrogen)	N/A	N/A
Nitrobenzene	22061	26788
N-Nitrosodiethylamine	24.7	30.0
N-Nitroso-di- <i>n</i> -Butylamine	49.4	60.0
Pentachlorobenzene	4.18	5.07
Pentachlorophenol	3.41	4.14
Polychlorinated Biphenyls [PCBs]	0.00753	0.00915
Pyridine	11154	13544
Selenium	N/A	N/A
1,2,4,5-Tetrachlorobenzene	2.82	3.43
1,1,2,2-Tetrachloroethane	310	376
Tetrachloroethylene [Tetrachloroethylene]	3298	4004
Thallium	2.70	3.28
Toluene	N/A	N/A
Toxaphene	0.129	0.157
2,4,5-TP [Silvex]	4346	5277
1,1,1-Trichloroethane	9238639	11218347
1,1,2-Trichloroethane	1955	2374
Trichloroethylene [Trichloroethene]	846	1028
2,4,5-Trichlorophenol	21990	26703
TTHM [Sum of Total Trihalomethanes]	N/A	N/A
Vinyl Chloride	194	235

DOMESTIC WASTEWATER PERMIT RENEWAL APPLICATION – ELECTRONIC COPY

Texas Commission on Environmental Quality

Generation Park Management District

IDS Project No. 1339-012-03

August 2024



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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: Generation Park Management District

PERMIT NUMBER (If new, leave blank): WQ00 014625001

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

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

For TCEQ Use Only

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



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

**DOMESTIC WASTEWATER PERMIT APPLICATION
ADMINISTRATIVE REPORT 1.0**

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

Section 1. Application Fees (Instructions Page 26)

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

Flow	New/Major Amendment	Renewal
<0.05 MGD	\$350.00 <input type="checkbox"/>	\$315.00 <input type="checkbox"/>
≥0.05 but <0.10 MGD	\$550.00 <input type="checkbox"/>	\$515.00 <input type="checkbox"/>
≥0.10 but <0.25 MGD	\$850.00 <input type="checkbox"/>	\$815.00 <input type="checkbox"/>
≥0.25 but <0.50 MGD	\$1,250.00 <input type="checkbox"/>	\$1,215.00 <input type="checkbox"/>
≥0.50 but <1.0 MGD	\$1,650.00 <input type="checkbox"/>	\$1,615.00 <input type="checkbox"/>
≥1.0 MGD	\$2,050.00 <input type="checkbox"/>	\$2,015.00 <input checked="" type="checkbox"/>

Minor Amendment (for any flow) \$150.00 ☐

Payment Information:

Mailed Check/Money Order Number: Click to enter text.

Check/Money Order Amount: Click to enter text.

Name Printed on Check: Click to enter text.

EPAY Voucher Number: 719475/719476

Copy of Payment Voucher enclosed? Yes ☒

Section 2. Type of Application (Instructions Page 26)

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

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

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

- ☒ Active ☐ Inactive

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

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

d. Check the box next to the appropriate application type

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

e. For amendments or modifications, describe the proposed changes: The proposed amendment adds a Proposed Interim Phase, operating at 0.7 MGD.

f. For existing permits:

Permit Number: WQ00 14625001

EPA I.D. (TPDES only): TX 0127981

Expiration Date: March 3, 2025

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

Generation Park Management District

(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: 604386060

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: Deboben III, John R.

Title: Board Vice President

Credential: Click to enter text.

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

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

N/A

(The legal name must be spelled exactly as filed with the TX SOS, with the County, or in the

legal documents forming the entity.)

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

CN: N/A

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

Prefix: N/A

Last Name, First Name: N/A

Title: N/A

Credential: N/A

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

C. Core Data Form

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

Last Name, First Name: Webb II, Vernon

Title: District Engineer

Credential: P.E.

Organization Name: IDS Engineering Group

Mailing Address: 13430 Northwest Fwy, Ste 700

City, State, Zip Code: Houston, TX 77040

Phone No.: 832-590-7210

E-mail Address: vwebb@idseg.com

Check one or both:

☒

Administrative Contact

☒

Technical Contact

B. Prefix: Mr.

Last Name, First Name: Ringold, Daniel

Title: District Attorney

Credential: Click to enter text.

Organization Name: Schwartz, Page & Harding, L.L.P.

Mailing Address: 1300 Post Oak Blvd, Ste. 2400

City, State, Zip Code: Houston, TX 77056

Phone No.: 713-623-4531

E-mail Address: dringold@sphllp.com

Check one or both:

☒

Administrative Contact

☐

Technical Contact

Section 5. Permit Contact Information (Instructions Page 27)

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

A. Prefix: Mr.

Last Name, First Name: Neuhaus, Charles W.

Title: Board President

Credential: Click to enter text.

Organization Name: c/o Schwartz, Page & Harding, L.L.P.

Mailing Address: 1300 Post Oak Blvd, Suite 2400

City, State, Zip Code: Houston, TX 77056

Phone No.: (713) 623-4531

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

B. Prefix: Mr.

Last Name, First Name: Deboben III, John R.

Title: Vice President

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

Organization Name: c/o Schwartz, Page & Harding, L.L.P.

Mailing Address: 1300 Post Oak Blvd, Suite 2400

City, State, Zip Code: Houston, TX 77056

Phone No.: (713) 623-4531

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

Section 6. Billing Contact Information (Instructions Page 27)

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

Prefix: Ms.

Last Name, First Name: Colondres, Cynthia

Title: District Bookkeeper

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

Organization Name: Municipal Accounts & Consulting, L.P.

Mailing Address: 1281 Brittmoore Rd.

City, State, Zip Code: Houston, TX 77043

Phone No.: (713) 623-4539

E-mail Address: ccolondres@municipalaccounts.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: Ms.

Last Name, First Name: Chapa, Vanessa

Title: Compliance Manager

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

Organization Name: Inframark

Mailing Address: 2002 W. Grand Parkway N, Ste 100

City, State, Zip Code: Katy, TX 77449

Phone No.: (281) 877-2612

E-mail Address: vanessa.chapa@inframark.com

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Ms.

Last Name, First Name: Riley, Vonda

Title: Administrative Assistant

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

Organization Name: IDS Engineering Group

Mailing Address: 13430 Northwest Fwy, Ste 700

City, State, Zip Code: Houston, TX 77040

Phone No.: (713) 462-3178

E-mail Address: vriley@idseg.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: Mr.

Last Name, First Name: Webb II, Vernon

Title: District Engineer

Credential: P.E.

Organization Name: IDS Engineering Group

Mailing Address: 13430 Northwest Fwy, Ste 700

City, State, Zip Code: Houston, TX 77040

Phone No.: (832) 590-7210

E-mail Address: vwebb@idseg.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: TCEQ Region 12 Office

Location within the building: Reception Area

Physical Address of Building: 5425 Polk Street

City: Houston

County: Harris

Contact (Last Name, First Name): N/A

Phone No.: (713) 767-3500 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: Attachment 2

G. Public Involvement Plan Form

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

Attachment: N/A

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

A. If the site is currently regulated by TCEQ, provide the Regulated Entity Number (RN) issued to this site. RN 104611942

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):

Generation Park Management District West Wastewater Treatment Plant

C. Owner of treatment facility: Generation Park Management District

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

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

Prefix: N/A

Last Name, First Name: Generation Park Management District

Title: Click to enter text.

Credential: Click to enter text.

Organization Name: c/o Schwartz, Page & Harding, L.L.P.

Mailing Address: 1300 Post Oak Blvd, Ste 2400

City, State, Zip Code: Houston, TX 77056

Phone No.: (713) 623-4531

E-mail Address: N/A

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

Attachment: N/A

E. Owner of effluent disposal site:

Prefix: N/A

Last Name, First Name: N/A

Title: N/A

Credential: N/A

Organization Name: N/A

Mailing Address: N/A

City, State, Zip Code: N/A

Phone No.: N/A

E-mail Address: N/A

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

Attachment: N/A

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

Prefix: N/A

Last Name, First Name: N/A

Title: N/A

Credential: N/A

Organization Name: N/A

Mailing Address: N/A

City, State, Zip Code: N/A

Phone No.: N/A

E-mail Address: N/A

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

Attachment: N/A

Section 10. TPDES Discharge Information (Instructions Page 31)

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

☒ Yes ☐ No

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

N/A

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

☒ Yes ☐ No

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

N/A

City nearest the outfall(s): Houston

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

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: N/A

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

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

N/A

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

Section 12. Miscellaneous Information (Instructions Page 32)

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

☐ Yes ☒ No

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

☐ Yes ☐ No ☒ Not Applicable

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

N/A

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

☐ Yes ☒ No

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

D. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

If yes, provide the following information:

Account number: N/A

Amount past due: N/A

E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

If yes, please provide the following information:

Enforcement order number: N/A

Amount past due: N/A

Section 13. Attachments (Instructions Page 33)

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

- ☐ Lease agreement or deed recorded easement, if the land where the treatment facility is located or the effluent disposal site are not owned by the applicant or co-applicant.
- ☒ Original full-size USGS Topographic Map with the following information:
- Applicant's property boundary
 - Treatment facility boundary
 - Labeled point of discharge for each discharge point (TPDES only)
 - Highlighted discharge route for each discharge point (TPDES only)
 - Onsite sewage sludge disposal site (if applicable)
 - Effluent disposal site boundaries (TLAP only)
 - New and future construction (if applicable)
 - 1 mile radius information
 - 3 miles downstream information (TPDES only)
 - All ponds.
- ☐ Attachment 1 for Individuals as co-applicants
- ☒ Other Attachments. Please specify: Attachment 1 – Core Data Form; Attachment 2 – Plain Language Summary (English and Spanish), Attachment 3 – USGS Topographic Map, Attachment 5 – SPIF, Attachment 6 – Copy of Payment Voucher

Section 14. Signature Page (Instructions Page 34)

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

Permit Number: WQ0014625001

Applicant: Generation Park Management District

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): John R. Debohen

Signatory title: Board Vice President

Signature:  Date: 8/21/24

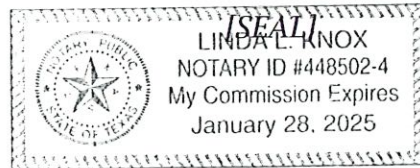
(Use blue ink)

Subscribed and Sworn to before me by the said John R. Debohen
on this 21st day of August, 2024.

My commission expires on the 28th day of January, 2025.


Notary Public

Harris
County, Texas



DOMESTIC WASTEWATER PERMIT APPLICATION

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

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

Attachment: Attachment 5

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.)

~~Industrial~~ Domestic 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.)

[TCEQ ePay Voucher Receipts are included, see Attachment No. 6](#)

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 NO. 1

CORE DATA FORM



TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input checked="" type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input type="checkbox"/> Other
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN 604386060		RN 104611942

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)			
<input type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership					
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)					
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>					
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)				<i>If new Customer, enter previous Customer below:</i>	
Generation Park Management District					
7. TX SOS/CPA Filing Number		8. TX State Tax ID (11 digits)		9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)
11. Type of Customer:		<input type="checkbox"/> Corporation		<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input checked="" type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship		<input type="checkbox"/> Other:	
12. Number of Employees				13. Independently Owned and Operated?	
<input checked="" type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following					
<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:					
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant					
15. Mailing Address:		Schwartz, Page & Harding, L.L.P.			
		1300 Post Oak Blvd., Suite 2400			
City		Houston	State	TX	ZIP 77056 ZIP + 4
16. Country Mailing Information (if outside USA)			17. E-Mail Address (if applicable)		
			dringold@sphllp.com		
18. Telephone Number		19. Extension or Code		20. Fax Number (if applicable)	

SECTION III: Regulated Entity Information**21. General Regulated Entity Information** (If "New Regulated Entity" is selected, a new permit application is also required.)
☐ New Regulated Entity ☒ Update to Regulated Entity Name ☒ Update to Regulated Entity Information

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

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

Generation Park Management District West Wastewater Treatment Plant

23. Street Address of the Regulated Entity:

(No PO Boxes)

13939 Lockwood Road

City

Houston

State

TX

ZIP

77044

ZIP + 4

24. County

Harris

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

25. Description to Physical Location:**26. Nearest City**

State

Nearest ZIP Code

Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).

27. Latitude (N) In Decimal:**28. Longitude (W) In Decimal:**

Degrees

Minutes

Seconds

Degrees

Minutes

Seconds

29. Primary SIC Code**30. Secondary SIC Code****31. Primary NAICS Code****32. Secondary NAICS Code**

(4 digits)

(4 digits)

(5 or 6 digits)

(5 or 6 digits)

4952

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

Wastewater Treatment Facility

34. Mailing Address:

Schwartz, Page & Harding, L.L.P.

1300 Post Oak Blvd, Suite 2400

City

Houston

State

TX

ZIP

77056

ZIP + 4

3078

35. E-Mail Address:

dringold@sphllp.com

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

(713) 623-4531

(713) 623-6143

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.

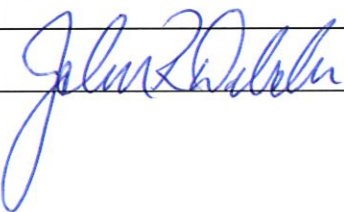
<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review 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:
	14625-001			

SECTION IV: Preparer Information

40. Name:	AnnMarie Burns		41. Title:	Design Engineer
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address	
(832) 590-7153		() -	aburns@idseg.com	

SECTION V: Authorized Signature

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

Company:	Generation Park Management District		Job Title:	Board Vice President	
Name (In Print):	John R. Deboben			Phone:	(713) 623- 4531
Signature:				Date:	8/21/2024

ATTACHMENT NO. 2

PLAIN LANGUAGE SUMMARY
(ENGLISH AND SPANISH)

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

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.

Generation Park Management District (CN604386060) operates Generation Park Management District West Wastewater Treatment Plant (RN104611942), a domestic wastewater treatment facility. The facility is located 13939 Lockwood Road, in Houston, Harris County, Texas 77044.

This application is for a renewal to discharge at an annual average flow of 640,000 gallons per day of treated domestic wastewater via Outfall 1 into HCFCD ditch P127-00-00 and ultimately to Greens Bayou.

Discharges from the facility are expected to contain Carbonaceous Biochemical Oxygen Demand (5-day)(CBOD₅), total suspended solids (TSS), ammonia nitrogen (N-NH₄), Total Copper, Total Kjeldahl Nitrogen, and E.coli. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent and Domestic Worksheet 4.0 in the permit application package. Domestic wastewater is treated by activated sludge process with single stage nitrification.

Resumen en lenguaje sencillo para las solicitudes de permisos del Sistema de Eliminación de Descargas Contaminantes de Texas (TPDES) y de la Solicitud de Tierras de Texas (TLAP)

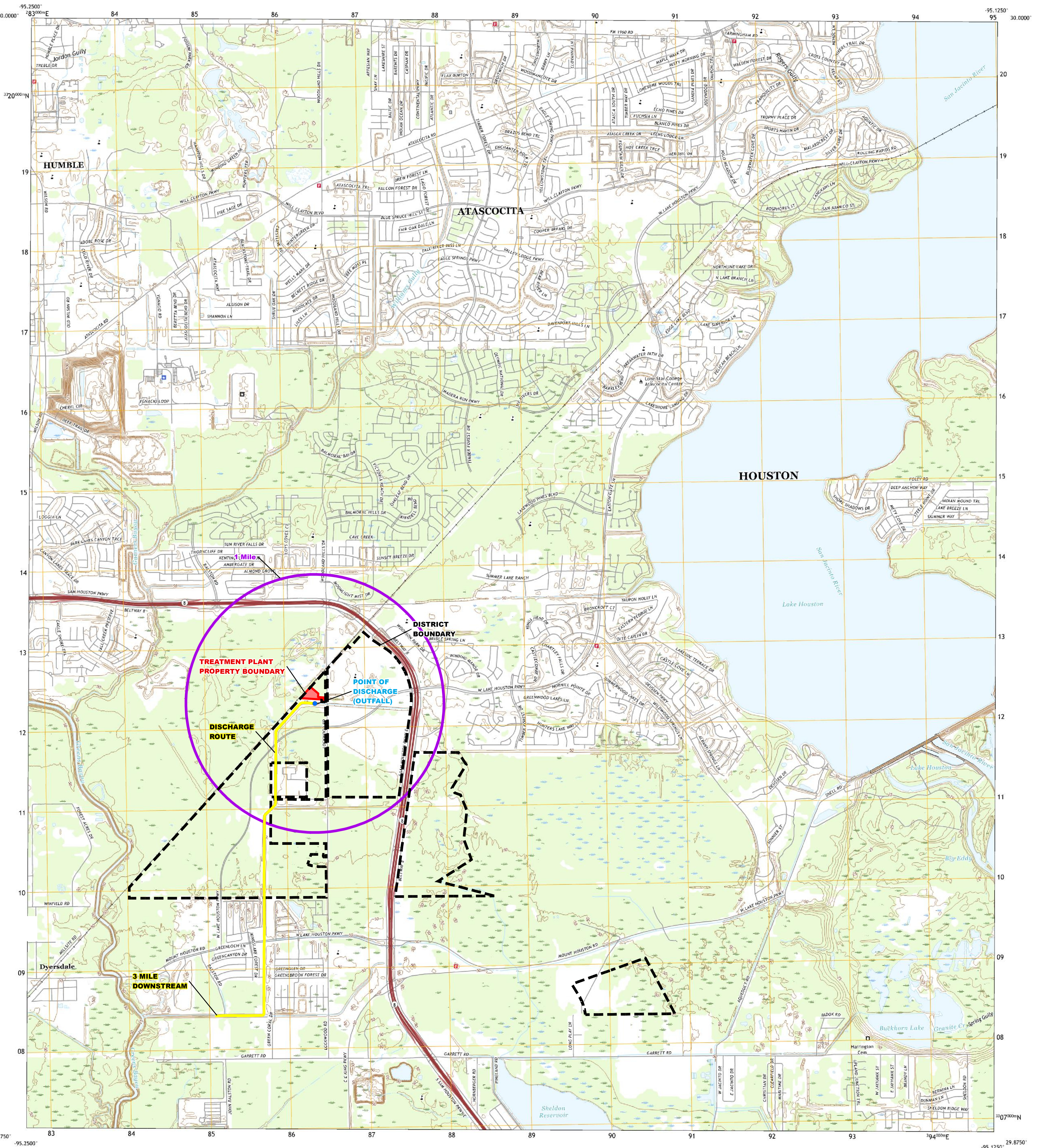
El siguiente resumen se proporciona para esta solicitud de permiso de calidad del agua pendiente que está siendo revisada por la Comisión de Calidad Ambiental de Texas según lo requerido por el Capítulo 39 del Código Administrativo de Texas 30. La información proporcionada en este resumen puede cambiar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

El Distrito de Gestión de Generation Park (CN604386060) opera la Planta de Tratamiento de Aguas Residuales del Distrito de Gestión de Generation Park Oeste (RN104611942), una instalación de tratamiento de aguas residuales domésticas. La instalación está ubicada en 13939 Lockwood Road, en Houston, Harris County, Texas 77044.

Esta solicitud es para una renovación para descargar a un flujo promedio anual de 640,000 galones por día de aguas residuales domésticas tratadas a través del Desagüe 1 en la zanja P127-00-00 de HCFCD y, finalmente, en Greens Bayou.

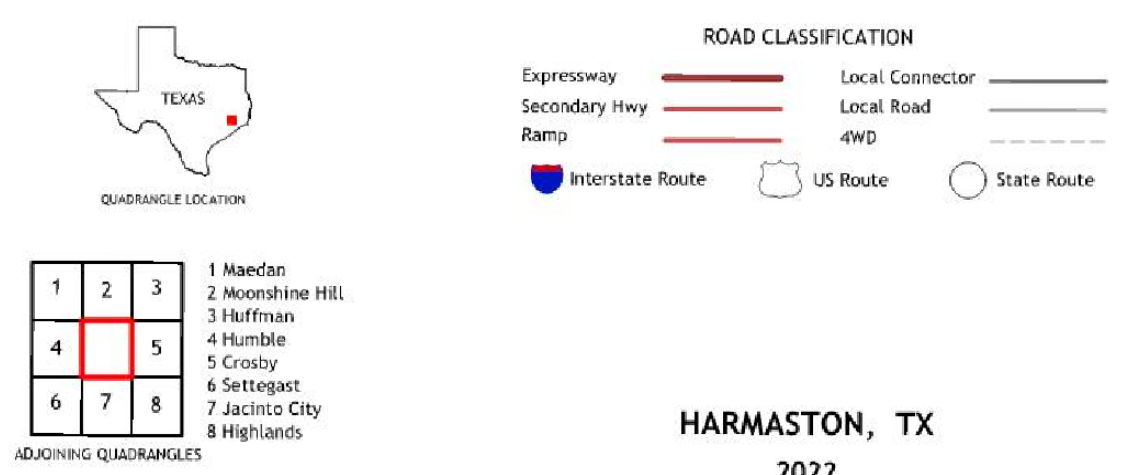
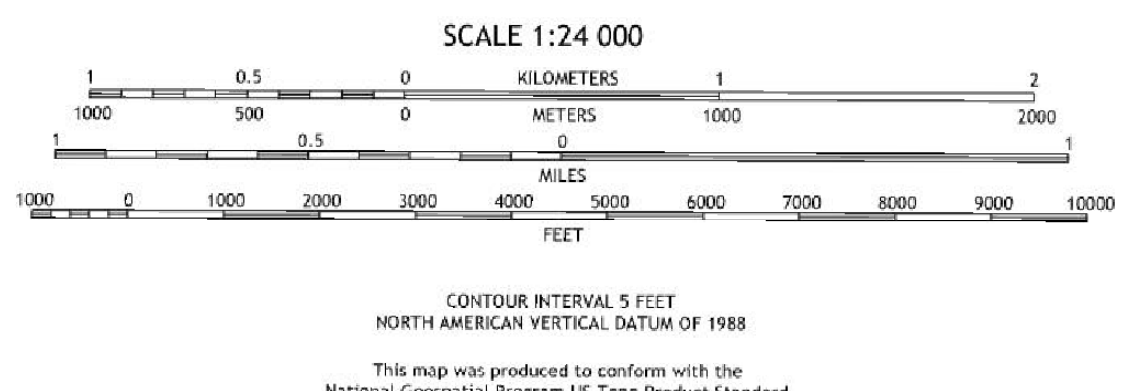
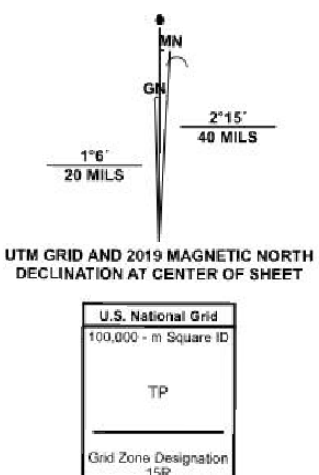
Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno carbonoso (5 días) (CBOD₅), sólidos suspendidos totales (TSS), nitrógeno amoniacal (N-NH₄), cobre total, nitrógeno Kjeldahl total y E. coli. En la sección 7 del Informe Técnico Nacional 1.0 se incluyen contaminantes potenciales adicionales. Análisis de Contaminantes de Efluentes Tratados y Hoja de Trabajo Doméstico 4.0 en el paquete de solicitud de permisos. Las aguas residuales domésticas se tratan mediante un proceso de lodos activados con nitrificación de una sola etapa.

ATTACHMENT NO. 3
USGS TOPOGRAPHIC MAP

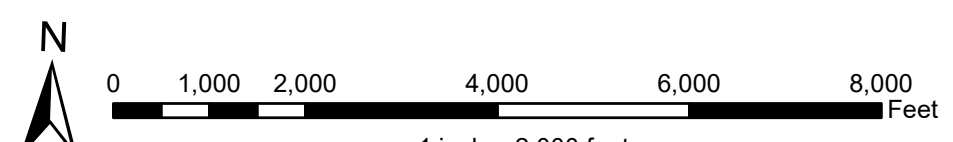


Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid: Universal Transverse Mercator, Zone 15R
This map is not a legal document. Boundaries may be
generalized for this map scale. Private lands within government
reservations may not be shown. Obtain permission before
entering private lands.

Imagery:.....NAIP, September 2016 - November 2016
Roads:.....U.S. Census Bureau, 2015 - 2019
Names:.....GNIS, 1979 - 2002
Hydrography:.....National Hydrography Dataset, 2002 - 2018
Contours:.....National Elevation Dataset, 2010
Boundaries:.....Multiple sources; see metadata file 2019 - 2021
Wetlands:.....FWS National Wetlands Inventory Not Available



13430 NW. Freeway, Suite 700
Houston, Texas 77040
Phone: 713-462-3178



GENERATION PARK MANAGEMENT DISTRICT
USGS 7.5' QUADRANGLE MAP

ATTACHMENT NO. 4

LANDOWNERS MAP

N/A

ATTACHMENT NO. 5

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

TCEQ USE ONLY:

Application type: ____Renewal ____Major Amendment ____Minor Amendment ____New

County: _____ Segment Number: _____

Admin Complete Date: _____

Agency Receiving SPIF:

____ Texas Historical Commission

____ U.S. Fish and Wildlife

____ Texas Parks and Wildlife Department

____ U.S. Army Corps of Engineers

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

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

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

The following applies to all applications:

1. Permittee: Generation Park Management District

Permit No. WQ00 14625001EPA ID No. TX 0127981

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

13939 Lockwood Road, Houston, TX 77044

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: Vernon H. Webb, II

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

Title: District Engineer

Mailing Address: 13430 Northwest Freeway, Suite 700

City, State, Zip Code: Houston, TX, 77040

Phone No.: (713)462-3178 Ext.:

Fax No.:

E-mail Address: vwebb@idseg.com

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

N/A

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

Drainage Channel P127-00-00; thence to Greens Bayou above Tidal Segment No. 1016 of the San Jacinto 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):

There are no wetlands on site. Approximately 4 acres of the approximate 6.4-acre site is already cleared; the remaining site will be cleared for the final phase. Excavations will not exceed approximately 15 ft. No caves or karst features exist in the area.

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

Disturbance of vegetation in areas that have been previously disturbed. There are no wetlands on site. The site is an operational wastewater treatment plant and lift station, and the site is partially cleared. The site consists of both grass and wooded areas.

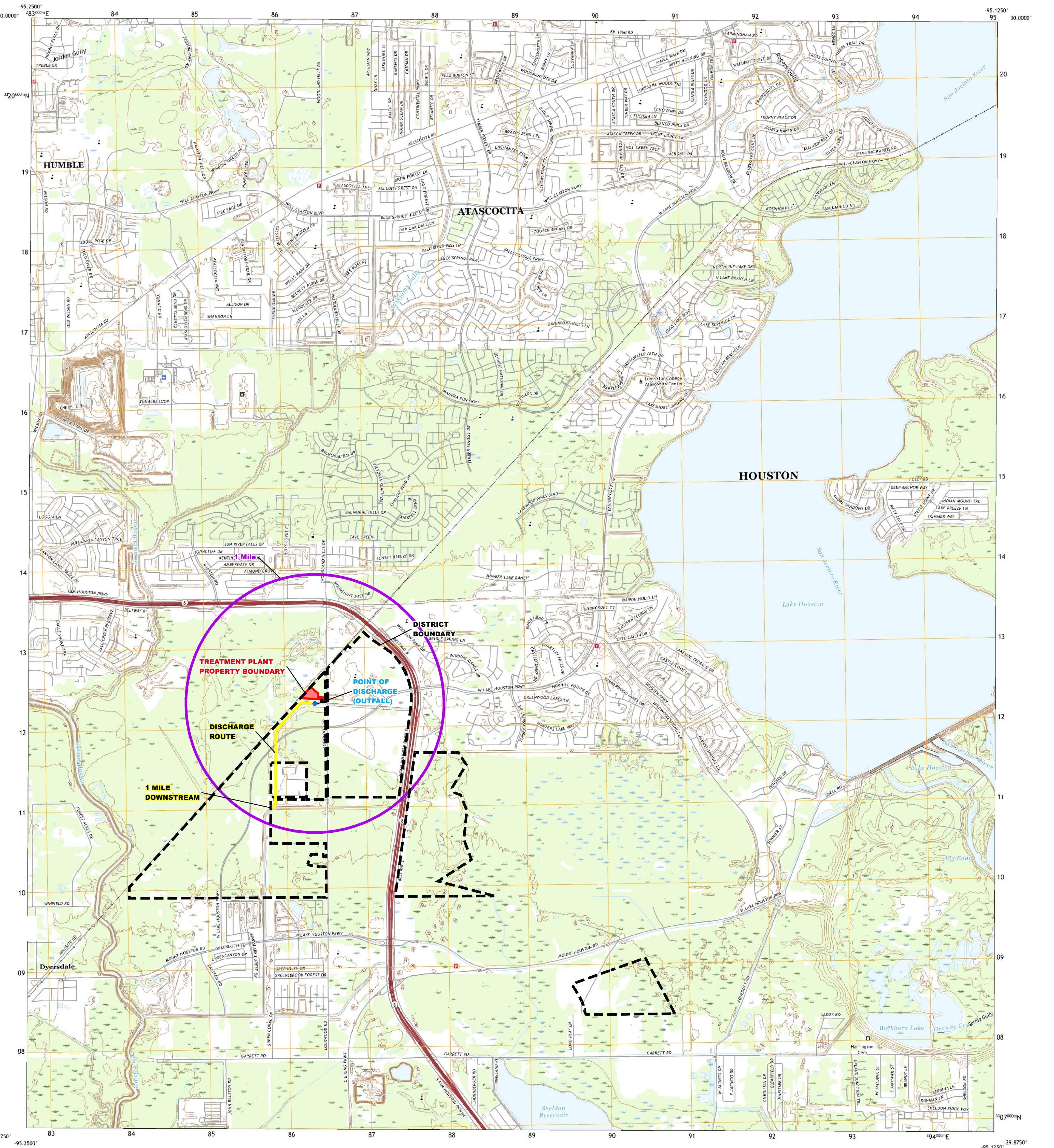
THE FOLLOWING ITEMS APPLY ONLY TO APPLICATIONS FOR NEW TPDES PERMITS AND MAJOR AMENDMENTS TO TPDES PERMITS

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

N/A

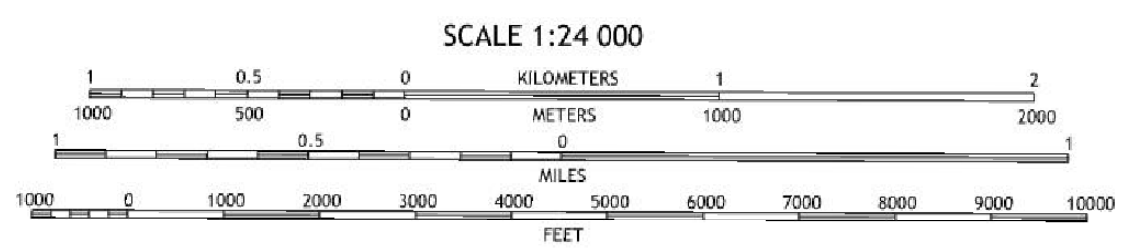
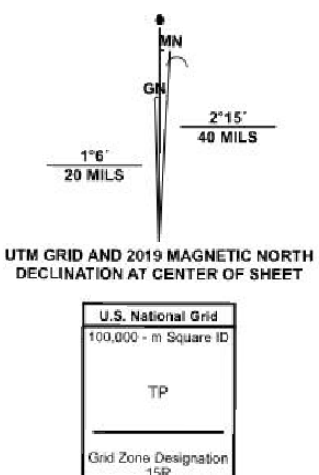
4. Provide a brief history of the property, and name of the architect/builder, if known.

N/A



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid: Universal Transverse Mercator, Zone 15R
This map is not a legal document. Boundaries may be
generalized for this map scale. Private lands within government
reservations may not be shown. Obtain permission before
entering private lands.

Imagery:.....NAIP, September 2016 - November 2016
Roads:.....U.S. Census Bureau, 2015 - 2019
Names:.....GNIS, 1979 - 2002
Hydrography:.....National Hydrography Dataset, 2002 - 2018
Contours:.....National Elevation Dataset, 2010
Boundaries:.....Multiple sources; see metadata file 2019 - 2021
Wetlands:.....FWS National Wetlands Inventory Not Available



1	2	3
4	5	6
7	8	9

ADJOINING QUADRANGLES

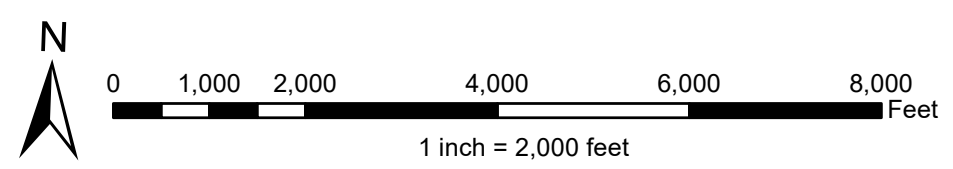
1 Macon
2 Moonshine Hill
3 Huffman
4 Humble
5 Crosby
6 Settegast
7 Jacinto City
8 Highlands

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

HARMASTON, TX
76022



13430 NW. Freeway, Suite 700
Houston, Texas 77040
713.462.3178



GENERATION PARK MANAGEMENT DISTRICT USGS 7.5' QUADRANGLE MAP

ATTACHMENT NO. 6
COPY OF PAYMENT VOUCHER

TCEQ ePay Receipt

Transaction Information

Trace Number: 582EA000623693
Date: 08/30/2024 09:14 AM
Payment Method: CC - Authorization 0000030208
ePay Actor: DEZARIE GILLAMAC
TCEQ Amount: \$2,015.00
Texas.gov Price:: \$2,060.59*

* 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: LINDSEY WHATLEY
Company: IDS ENGINEERING GROUP
Address: 13430 NORTHWEST FREEWAY, HOUSTON, TX 77040
Phone: 713-462-3178

Cart Items

Voucher	Fee Description	AR Number	Amount
719475	WW PERMIT - FACILITY WITH FLOW >= 1.0 MGD - RENEWAL		\$2,000.00
719476	30 TAC 305.53B WQ RENEWAL NOTIFICATION FEE		\$15.00
		TCEQ Amount:	\$2,015.00

TCEQ ePay Voucher Receipt

Transaction Information

Voucher Number: 719475
Trace Number: 582EA000623693
Date: 08/30/2024 09:14 AM
Payment Method: CC - Authorization 0000030208
Voucher Amount: \$2,000.00
Fee Type: WW PERMIT - FACILITY WITH FLOW >= 1.0 MGD - RENEWAL
ePay Actor: DEZARIE GILLAMAC

Payment Contact Information

Name: LINDSEY WHATLEY
Company: IDS ENGINEERING GROUP
Address: 13430 NORTHWEST FREEWAY, HOUSTON, TX 77040
Phone: 713-462-3178

Site Information

Site Name: GENERATION PARK MANAGEMENT DISTRICT WEST WASTEWATER TREATMENT PLANT
Site Address: 13939 LOCKWOOD RD, HOUSTON, TX 77044
Site Location: LOCATED 13939 LOCKWOOD RD HOUSTON TX 77044

Customer Information

Customer Name: GENERATION PARK MANAGEMENT DISTRICT
Customer Address: 1300 POST OAK BLVD SUITE 2400, HOUSTON, TX 77056

Other Information

Program Area ID: 0014625001

TCEQ ePay Voucher Receipt

Transaction Information

Voucher Number:	719476
Trace Number:	582EA000623693
Date:	08/30/2024 09:14 AM
Payment Method:	CC - Authorization 0000030208
Voucher Amount:	\$15.00
Fee Type:	30 TAC 305.53B WQ RENEWAL NOTIFICATION FEE
ePay Actor:	DEZARIE GILLAMAC

Payment Contact Information

Name:	LINDSEY WHATLEY
Company:	IDS ENGINEERING GROUP
Address:	13430 NORTHWEST FREEWAY, HOUSTON, TX 77040
Phone:	713-462-3178



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

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

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

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

A. Existing/Interim I Phase

Design Flow (MGD): 0.64

2-Hr Peak Flow (MGD): 2.56

Estimated construction start date: April 2022

Estimated waste disposal start date: October 2024

B. Interim II Phase

Design Flow (MGD): 0.7

2-Hr Peak Flow (MGD): 2.8

Estimated construction start date: January 2026

Estimated waste disposal start date: January 2027

C. Final Phase

Design Flow (MGD): 2.8

2-Hr Peak Flow (MGD): 11.20

Estimated construction start date: January 2029

Estimated waste disposal start date: January 2030

D. Current Operating Phase

Provide the startup date of the facility: 10/7/2024

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.**

Attachment 8

B. Treatment Units

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

Table 1.0(1) - Treatment Units

Treatment Unit Type	Number of Units	Dimensions (L x W x D)
Attachment 9		

C. Process Flow Diagram

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

Attachment: [Attachment 10](#)

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

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

- Latitude: [29.923066](#)
- Longitude: [-95.212732](#)

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: [Attachment 11](#)

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

The wastewater treatment plant will serve as much of Generation Park Management District as its capacity allows. District boundaries can be seen in Attachment 11. The treatment facility also treats contracted wastewater flow from the City of Houston's Northeast Water Purification Plant (NEWPP), per agreement titled "Wastewater Treatment Capacity Lease Agreement...", Attachment 14.

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
Generation Park West Collection System	Generation Park Management District	Publicly Owned	2,053
		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 District contains many undeveloped tracts, which vary in intended use from industrial to commercial to multi-family developments. The final permit phase allows for future development until build-out.

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.

The interim 0.70 MGD phase will include the removal of treatment units. The estimated schedule is to construct this phase in 2026. However, this phase is development-driven and will not proceed until the expected influent flows require it. A closure plan will be prepared at that time.

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: See below.

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.**

Plans were approved on 4/27/2006 for Phase I (0.125 MGD), 5/8/2014 for Phase II (0.25 MGD), 10/17/2017 for Phase III (0.375 MGD), and 5/25/2021 for Phase IV (0.64 MGD). See Attachment 12 for the TCEQ Approval Letter for the 0.64 MGD phase. Plans and specifications for the proposed interim phase (0.70 MGD) and final phase have not been completed.

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 is split between on-site property and property that, by its nature, is restrictive of residential structures (Drainage Easements, Harris County Flood Control Drainage Easements, and Railroad Right-of-Way).

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*.

Summary Transmittal Letter for the “Interim II” (0.64 MGD) Phase was submitted to TCEQ on 4/6/2021. TCEQ was notified in writing 45 days prior to the completion of the “Interim II” (0.64 MGD) facility, on 8/22/2024. The District has provided progress reports to the TCEQ on copper levels in the effluent. The District implemented a polymer addition system based on bench testing and full-scale plant testing that proved capable of treating the raw effluent so that the effluent copper levels meet the limits within the current permit.

D. Grit and grease treatment

1. Acceptance of grit and grease waste

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

☐ Yes ☒ No

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

2. Grit and grease processing

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

N/A

3. Grit disposal

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

☐ Yes ☒ No

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

Describe the method of grit disposal.

N/A

4. Grease and decanted liquid disposal

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

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

N/A

E. Stormwater management

1. Applicability

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

☒ Yes ☐ No

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

☐ Yes ☒ No

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

2. MSGP coverage

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

☐ Yes ☒ No

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

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

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

☐ Yes ☒ No

3. Conditional exclusion

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

☐ Yes ☒ No

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

N/A

4. Existing coverage in individual permit

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

☐ Yes ☒ No

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

N/A

5. Zero stormwater discharge

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

☐ Yes ☒ No

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

N/A

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

6. Request for coverage in individual permit

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

☐ Yes ☒ No

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

intend to divert stormwater to the treatment plant headworks and indirectly discharge it to water in the state.

N/A

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

F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

☐ Yes ☒ No

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

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

1. Acceptance of sludge from other WWTPs

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

☐ Yes ☒ No

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

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

N/A

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

2. Acceptance of septic waste

Is the facility accepting or will it accept septic waste?

☐ Yes ☒ No

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

☐ Yes ☐ No

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

☐ Yes ☐ No

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

N/A

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

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

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

☐ Yes ☒ No

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

N/A

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

Is the facility in operation?

☒ Yes ☐ No

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

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

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

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
CBOD ₅ , mg/l	<2.03U	<2.03U	1	compo-site	7/2/2024 8:45
Total Suspended Solids, mg/l	3.05	3.05	1	compo-site	7/2/2024 8:45
Ammonia Nitrogen, mg/l	<0.0400U	<0.0400U	1	compo-site	7/2/2024 8:45
Nitrate Nitrogen, mg/l	1.75	1.75	1	compo-site	7/2/2024 8:45
Total Kjeldahl Nitrogen, mg/l	<1.00U	<1.00U	1	compo-site	7/2/2024 8:45
Sulfate, mg/l	23.0	23.0	1	compo-site	7/2/2024 8:45
Chloride, mg/l	12.7	12.7	1	compo-site	7/2/2024 8:45
Total Phosphorus, mg/l	0.242	0.242	1	compo-site	7/2/2024 8:45
pH, standard units	7.55	7.55	1	grab	7/2/2024 8:45
Dissolved Oxygen*, mg/l	7.68	7.68	1	compo-site	7/2/2024 8:45
Chlorine Residual, mg/l	4.00	4.00	1	grab	7/2/2024 8:45
<i>E.coli</i> (CFU/100ml) freshwater	<1.00CQa,U (MPN/100mL)	<1.00CQa,U (MPN/100mL)	1	grab	7/2/2024 8:45
Enterococci (CFU/100ml) saltwater	<1.00U (MPN/100mL)	<1.00U (MPN/100mL)	1	grab	7/2/2024 8:45
Total Dissolved Solids, mg/l	370	370	1	compo-site	7/2/2024 8:45
Electrical Conductivity, µmohs/cm, †	671	671	1	compo-site	7/2/2024 8:45
Oil & Grease, mg/l	<5.00U	<5.00U	1	grab	7/2/2024 8:45
Alkalinity (CaCO ₃)*, mg/l	86.9	86.9	1	compo-site	7/2/2024 8:45

*TPDES permits only

†TLAP permits only

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

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

Section 8. Facility Operator (Instructions Page 50)

Facility Operator Name: Inframark, LLC

Facility Operator's License Classification and Level: (Wastewater Operations Company)

Facility Operator's License Number: OC0000232

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

A. WWTP's Biosolids Management Facility Type

Check all that apply. See instructions for guidance

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

B. WWTP's Biosolids Treatment Process

Check all that apply. See instructions for guidance.

- ☒ Aerobic Digestion
- ☐ Air Drying (or sludge drying beds)
- ☐ Lower Temperature Composting
- ☐ Lime Stabilization
- ☐ Higher Temperature Composting
- ☐ Heat Drying
- ☐ Thermophilic Aerobic Digestion
- ☐ Beta Ray Irradiation

- ☐ Gamma Ray Irradiation
- ☐ Pasteurization
- ☐ Preliminary Operation (e.g. grinding, de-gritting, blending)
- ☐ Thickening (e.g. gravity thickening, centrifugation, filter press, vacuum filter)
- ☐ Sludge Lagoon
- ☐ Temporary Storage (< 2 years)
- ☐ Long Term Storage (>= 2 years)
- ☐ Methane or Biogas Recovery
- ☐ Other Treatment Process: [Click to enter text.](#)

C. Biosolids Management

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

Biosolids Management

Management Practice	Handler or Preparer Type	Bulk or Bag Container	Amount (dry metric tons)	Pathogen Reduction Options	Vector Attraction Reduction Option
Disposal in Landfill	Off-site Third-Party Handler or Preparer	Bulk	71.81 (2023-2024 sludge year)	Class B: PSRP Aerobic Digestion	Option 4: SOUR <=1.5 mg O ₂ /hr/g total solids at 20C (<2% solids)
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): [Click to enter text.](#)

D. Disposal site

Disposal site name: Mt Houston Road WWTP Sludge Processing Site

TCEQ permit or registration number: 0011154001

County where disposal site is located: Harris

E. Transportation method

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

Name of the hauler: Magna Flow Environmental

Hauler registration number: 21484

Liquid ☐

semi-liquid ☒

semi-solid ☐

solid ☐

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

A. Beneficial use authorization

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

☐ Yes ☐ No

B. Sludge processing authorization

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

Sludge Composting ☐ Yes ☒ No

Marketing and Distribution of sludge ☐ Yes ☒ No

Sludge Surface Disposal or Sludge Monofill ☐ Yes ☒ No

Temporary storage in sludge lagoons ☐ Yes ☒ No

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

☐ Yes ☐ No

Section 11. Sewage Sludge Lagoons (Instructions Page 53)

Does this facility include sewage sludge lagoons?

☐ Yes ☒ No

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

A. Location information

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

- Original General Highway (County) Map:

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

- USDA Natural Resources Conservation Service Soil Map:

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

- Federal Emergency Management Map:

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

- Site map:

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

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 1×10^{-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:

N/A

B. Permittee enforcement status

Is the permittee currently under enforcement for this facility?

☐ Yes ☒ No

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

☐ Yes ☒ No

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

N/A

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

A. RCRA hazardous wastes

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

☐ Yes ☒ No

B. Remediation activity wastewater

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

☐ Yes ☒ No

C. Details about wastes received

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

Attachment: N/A

Section 14. Laboratory Accreditation (Instructions Page 56)

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

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

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

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

CERTIFICATION:

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

Printed Name: John R. Deboben

Title: Board Vice President

Signature: 

Date: 8/21/24

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 2.0: RECEIVING WATERS

The following information is required for all TPDES permit applications.

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

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

☐ Yes ☒ No

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

Owner of the drinking water supply: N/A

Distance and direction to the intake: N/A

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

Attachment: N/A

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

Does the facility discharge into tidally affected waters?

☐ Yes ☒ No

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

A. Receiving water outfall

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

B. Oyster waters

Are there oyster waters in the vicinity of the discharge?

☐ Yes ☐ No

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

N/A

C. Sea grasses

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

☐ Yes ☐ No

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

N/A

Section 3. Classified Segments (Instructions Page 64)

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

☐ Yes ☒ No

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

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

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

Name of the immediate receiving waters: Drainage Channel P127-00-00

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.

P127-03-00, P127-01-00

D. Downstream characteristics

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

☐ Yes ☒ No

If yes, discuss how.

N/A

E. Normal dry weather characteristics

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

The water in Drainage Channel P127-00-00 is flowing gently, and brown in color but the bottom is visible. The water is shallow during normal weather conditions. There are weeds growing against each bank.

Date and time of observation: 6/11/2024, 11:00 am

Was the water body influenced by stormwater runoff during observations?

☐ Yes ☒ No

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

A. Upstream influences

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

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

B. Waterbody uses

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

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

C. Waterbody aesthetics

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

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

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 2.1: STREAM PHYSICAL CHARACTERISTICS

Required for new applications, major facilities, and applications adding an outfall.

Worksheet 2.1 is not required for discharges to intermittent streams or discharges directly to (or within 300 feet of) a classified segment.

Section 1. General Information (Instructions Page 66)

Date of study: 6/11/2024 Time of study: 11:00 am

Stream name: Drainage Channel P127-00-00

Location: Houston, TX

Type of stream upstream of existing discharge or downstream of proposed discharge (check one).

☒ Perennial ☐ Intermittent with perennial pools

Section 2. Data Collection (Instructions Page 66)

Number of stream bends that are well defined: 0

Number of stream bends that are moderately defined: 0

Number of stream bends that are poorly defined: 2

Number of riffles: 0

Evidence of flow fluctuations (check one):

☒ Minor ☐ moderate ☐ severe

Indicate the observed stream uses and if there is evidence of flow fluctuations or channel obstruction/modification.

The channel has not been obstructed or modified. The drainage channel is used for the wastewater treatment plant outfall and various storm drainage outfalls, both up and downstream from the WWTP outfall.

Stream transects

In the table below, provide the following information for each transect downstream of the existing or proposed discharges. Use a separate row for each transect.

Table 2.1(1) - Stream Transect Records

Stream type at transect Select riffle, run, glide, or pool. See Instructions, Definitions section.	Transect location	Water surface width (ft)	Stream depths (ft) at 4 to 10 points along each transect from the channel bed to the water surface. Separate the measurements with commas.
glide	Outfall	11.6'	0.6', 0.6', 0.8', 0.4'
glide	Approx. 500' downstream of outfall	5.7'	0.3', 0.8', 0.7', 0.3'
glide	Approx. 1000' downstream of outfall	4.2'	0.3', 0.6', 0.8', 0.4'
glide	Approx. 1500' downstream of outfall	11'	0.8', 0.9', 1.1', 0.8'
glide	Approx. 2000' downstream of outfall	12'	0.3', 0.7', 1.2', 0.5'
glide	Approx. 2500' downstream of outfall	30.8'	0.3', 0.4', 1.0', 0.4'
Choose an item.			
Choose an item.			
Choose an item.			
Choose an item.			

Section 3. Summarize Measurements (Instructions Page 66)

Streambed slope of entire reach, from USGS map in feet/feet: 0.0004 ft/ft

Approximate drainage area above the most downstream transect (from USGS map or county highway map, in square miles): 0.9 sq mi

Length of stream evaluated, in feet: 2500

Number of lateral transects made: 6

Average stream width, in feet: 12.55

Average stream depth, in feet: 0.625

Average stream velocity, in feet/second: 0.76 fps

Instantaneous stream flow, in cubic feet/second: 5.33 cfs

Indicate flow measurement method (type of meter, floating chip timed over a fixed distance, etc.): floating chip timed over a fixed distance

Size of pools (large, small, moderate, none): none

Maximum pool depth, in feet: N/A

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 4.0: POLLUTANT ANALYSIS REQUIREMENTS

The following **is required** for facilities with a permitted or proposed flow of **1.0 MGD or greater**, facilities with an approved **pretreatment** program, or facilities classified as a **major** facility. See instructions for further details.

This worksheet is not required minor amendments without renewal.

Section 1. Toxic Pollutants (Instructions Page 78)

For pollutants identified in Table 4.0(1), indicate the type of sample.

Grab ☐ Composite ☒

Date and time sample(s) collected: 7/2/2024 8:45

Table 4.0(1) – Toxics Analysis

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acrylonitrile	<50.0U	<50.0U	1	50
Aldrin	<0.004	<0.004	1	0.01
Aluminum	39.2	39.2	1	2.5
Anthracene	<10.0U	<10.0U	1	10
Antimony	<5.00U	<5.00U	1	5
Arsenic	<0.500U	<0.500U	1	0.5
Barium	74.0	74.0	1	3
Benzene	<10.0U	<10.0U	1	10
Benzidine	<50.0U	<50.0U	1	50
Benzo(a)anthracene	<5.00U	<5.00U	1	5
Benzo(a)pyrene	<5.00U	<5.00U	1	5
Bis(2-chloroethyl)ether	<10.0U	<10.0U	1	10
Bis(2-ethylhexyl)phthalate	<10.0U	<10.0U	1	10
Bromodichloromethane	40.4	40.4	1	10
Bromoform	<10.0U	<10.0U	1	10
Cadmium	<1.00U	<1.00U	1	1
Carbon Tetrachloride	<2.00U	<2.00U	1	2
Carbaryl	<2.59	<2.59	1	5
Chlordane*	<0.100	<0.100	1	0.2
Chlorobenzene	<10.0U	<10.0U	1	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Chlorodibromomethane	18.5	18.5	1	10
Chloroform	45.2V	45.2V	1	10
Chlorpyrifos	<0.050U	<0.050U	1	0.05
Chromium (Total)	<3.00U	<3.00U	1	3
Chromium (Tri) (*1)	<0.006	<0.006	1	N/A
Chromium (Hex)	4.46	4.46	1	3
Copper	2.52	2.53	1	2
Chrysene	<5.00U	<5.00U	1	5
p-Chloro-m-Cresol	<10.0U	<10.0U	1	10
4,6-Dinitro-o-Cresol	<50.0U	<50.0U	1	50
p-Cresol	<10.0U	<10.0U	1	10
Cyanide (*2)	<10.0U	<10.0U	1	10
4,4'- DDD	<0.002	<0.002	1	0.1
4,4'- DDE	<0.009	<0.009	1	0.1
4,4'- DDT	<0.004	<0.004	1	0.02
2,4-D	<0.700U	<0.700U	1	0.7
Demeton (O and S)	<0.200U	<0.200U	1	0.20
Diazinon	<0.500U	<0.500U	1	0.5/0.1
1,2-Dibromoethane	<10.0U	<10.0U	1	10
m-Dichlorobenzene	<10.0U	<10.0U	1	10
o-Dichlorobenzene	<10.0U	<10.0U	1	10
p-Dichlorobenzene	<10.0U	<10.0U	1	10
3,3'-Dichlorobenzidine	<5.00U	<5.00U	1	5
1,2-Dichloroethane	<10.0U	<10.0U	1	10
1,1-Dichloroethylene	<10.0U	<10.0U	1	10
Dichloromethane	<20.0U	<20.0U	1	20
1,2-Dichloropropane	<10.0U	<10.0U	1	10
1,3-Dichloropropene	<10.0U	<10.0U	1	10
Dicofol	<0.050	<0.050	1	1
Dieldrin	<0.005	<0.005	1	0.02
2,4-Dimethylphenol	<10.0U	<10.0U	1	10
Di-n-Butyl Phthalate	<10.0U	<10.0U	1	10
Diuron	<0.0465	<0.0465	1	0.09

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Endosulfan I (alpha)	<0.007	<0.007	1	0.01
Endosulfan II (beta)	<0.004	<0.004	1	0.02
Endosulfan Sulfate	<0.005	<0.005	1	0.1
Endrin	<0.004	<0.004	1	0.02
Ethylbenzene	<10.0U	<10.0U	1	10
Fluoride	<0.250U	<0.250U	1	500
Guthion	<0.100U	<0.100U	1	0.1
Heptachlor	<0.004	<0.004	1	0.01
Heptachlor Epoxide	<0.004	<0.004	1	0.01
Hexachlorobenzene	<5.00U	<5.00U	1	5
Hexachlorobutadiene	<10.0U	<10.0U	1	10
Hexachlorocyclohexane (alpha)	<0.003	<0.003	1	0.05
Hexachlorocyclohexane (beta)	<0.004	<0.004	1	0.05
gamma-Hexachlorocyclohexane (Lindane)	<0.004	<0.004	1	0.05
Hexachlorocyclopentadiene	<10.0U	<10.0U	1	10
Hexachloroethane	<20.0U	<20.0U	1	20
Hexachlorophene	<10.0U	<10.0U	1	10
Lead	<0.500U	<0.500U	1	0.5
Malathion	<0.100U	<0.100U	1	0.1
Mercury	<0.005U	<0.005U	1	0.005
Methoxychlor	<0.003	<0.003	1	2
Methyl Ethyl Ketone	<50.0U	<50.0U	1	50
Mirex	<0.010	<0.010	1	0.02
Nickel	<2.00U	<2.00U	1	2
Nitrate-Nitrogen	1750	1750	1	100
Nitrobenzene	<10.0U	<10.0U	1	10
N-Nitrosodiethylamine	<20.0U	<20.0U	1	20
N-Nitroso-di-n-Butylamine	<20.0U	<20.0U	1	20
Nonylphenol	<333U	<333U	1	333
Parathion (ethyl)	<0.100U	<0.100U	1	0.1
Pentachlorobenzene	<20.0U	<20.0U	1	20
Pentachlorophenol	<5.00U	<5.00U	1	5

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Phenanthrene	<10.0U	<10.0U	1	10
Polychlorinated Biphenyls (PCB's) (*3)	<0.03	<0.03	1	0.2
Pyridine	<20.0U	<20.0U	1	20
Selenium	<5.00U	<5.00U	1	5
Silver	<0.500U	<0.500U	1	0.5
1,2,4,5-Tetrachlorobenzene	<10.0U	<10.0U	1	20
1,1,2,2-Tetrachloroethane	<10.0U	<10.0U	1	10
Tetrachloroethylene	<10.0U	<10.0U	1	10
Thallium	<0.500U	<0.500U	1	0.5
Toluene	<10.0U	<10.0U	1	10
Toxaphene	<0.100	<0.100	1	0.3
2,4,5-TP (Silvex)	<0.300U	<0.300U	1	0.3
Tributyltin (see instructions for explanation)	N/A	N/A	N/A	0.01
1,1,1-Trichloroethane	<10.0U	<10.0U	1	10
1,1,2-Trichloroethane	<10.0U	<10.0U	1	10
Trichloroethylene	<10.0U	<10.0U	1	10
2,4,5-Trichlorophenol	<10.0U	<10.0U	1	50
TTHM (Total Trihalomethanes)	106	106	1	10
Vinyl Chloride	<10.0U	<10.0U	1	10
Zinc	67.2	67.2	1	5

(*1) Determined by subtracting hexavalent Cr from total Cr.

(*2) Cyanide, amenable to chlorination or weak-acid dissociable.

(*3) The sum of seven PCB congeners 1242, 1254, 1221, 1232, 1248, 1260, and 1016.

Section 2. Priority Pollutants

For pollutants identified in Tables 4.0(2)A-E, indicate type of sample.

Grab ☐ Composite ☒

Date and time sample(s) collected: 7/2/2024 8:45

Table 4.0(2)A – Metals, Cyanide, and Phenols

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Antimony	<5.00U	<5.00U	1	5
Arsenic	<0.500U	<0.500U	1	0.5
Beryllium	<0.500U	<0.500U	1	0.5
Cadmium	<1.00U	<1.00U	1	1
Chromium (Total)	<3.00U	<3.00U	1	3
Chromium (Hex)	4.46	4.46	1	3
Chromium (Tri) (*1)	<0.006	<0.006	1	N/A
Copper	2.53	2.53	1	2
Lead	<0.500U	<0.500U	1	0.5
Mercury	<0.005U	<0.005U	1	0.005
Nickel	<2.00U	<2.00U	1	2
Selenium	<5.00U	<5.00U	1	5
Silver	<0.500U	<0.500U	1	0.5
Thallium	<0.500U	<0.500U	1	0.5
Zinc	67.2	67.2	1	5
Cyanide (*2)	<10.0U	<10.0U	1	10
Phenols, Total	<10.0U	<10.0U	1	10

(*1) Determined by subtracting hexavalent Cr from total Cr.

(*2) Cyanide, amenable to chlorination or weak-acid dissociable

Table 4.0(2)B – Volatile Compounds

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acrolein	<17.0U	<17.0U	1	50
Acrylonitrile	<50.0U	<50.0U	1	50
Benzene	<10.0U	<10.0U	1	10
Bromoform	<10.0U	<10.0U	1	10
Carbon Tetrachloride	<2.00U	<2.00U	1	2
Chlorobenzene	<10.0U	<10.0U	1	10
Chlorodibromomethane	18.5	18.5	1	10
Chloroethane	<50.0U	<50.0U	1	50
2-Chloroethylvinyl Ether	<10.0U	<10.0U	1	10
Chloroform	45.2V	45.2V	1	10
Dichlorobromomethane [Bromodichloromethane]	40.4	40.4	1	10
1,1-Dichloroethane	<10.0U	<10.0U	1	10
1,2-Dichloroethane	<10.0U	<10.0U	1	10
1,1-Dichloroethylene	<10.0U	<10.0U	1	10
1,2-Dichloropropane	<10.0U	<10.0U	1	10
1,3-Dichloropropylene [1,3-Dichloropropene]	<10.0U	<10.0U	1	10
1,2-Trans-Dichloroethylene	<10.0U	<10.0U	1	10
Ethylbenzene	<10.0U	<10.0U	1	10
Methyl Bromide	<50.0U	<50.0U	1	50
Methyl Chloride	<50.0U	<50.0U	1	50
Methylene Chloride	<20.0U	<20.0U	1	20
1,1,2,2-Tetrachloroethane	<10.0U	<10.0U	1	10
Tetrachloroethylene	<10.0U	<10.0U	1	10
Toluene	<10.0U	<10.0U	1	10
1,1,1-Trichloroethane	<10.0U	<10.0U	1	10
1,1,2-Trichloroethane	<10.0U	<10.0U	1	10
Trichloroethylene	<10.0U	<10.0U	1	10
Vinyl Chloride	<10.0U	<10.0U	1	10

Table 4.0(2)C – Acid Compounds

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
2-Chlorophenol	<10.0U	<10.0U	1	10
2,4-Dichlorophenol	<10.0U	<10.0U	1	10
2,4-Dimethylphenol	<10.0U	<10.0U	1	10
4,6-Dinitro-o-Cresol	<50.0U	<50.0U	1	50
2,4-Dinitrophenol	<50.0U	<50.0U	1	50
2-Nitrophenol	<20.0U	<20.0U	1	20
4-Nitrophenol	<50.0U	<50.0U	1	50
P-Chloro-m-Cresol	<10.0U	<10.0U	1	10
Pentalchlorophenol	<5.00U	<5.00U	1	5
Phenol	<10.0U	<10.0U	1	10
2,4,6-Trichlorophenol	<10.0U	<10.0U	1	10

Table 4.0(2)D – Base/Neutral Compounds

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acenaphthene	<10.0U	<10.0U	1	10
Acenaphthylene	<10.0U	<10.0U	1	10
Anthracene	<10.0U	<10.0U	1	10
Benzidine	<50.0U	<50.0U	1	50
Benzo(a)Anthracene	<5.00U	<5.00U	1	5
Benzo(a)Pyrene	<5.00U	<5.00U	1	5
3,4-Benzofluoranthene	<5.00U	<5.00U	1	10
Benzo(ghi)Perylene	<20.0U	<20.0U	1	20
Benzo(k)Fluoranthene	<5.00U	<5.00U	1	5
Bis(2-Chloroethoxy)Methane	<10.0U	<10.0U	1	10
Bis(2-Chloroethyl)Ether	<10.0U	<10.0U	1	10
Bis(2-Chloroisopropyl)Ether	<10.0U	<10.0U	1	10
Bis(2-Ethylhexyl)Phthalate	<10.0U	<10.0U	1	10
4-Bromophenyl Phenyl Ether	<10.0U	<10.0U	1	10
Butyl benzyl Phthalate	<10.0U	<10.0U	1	10
2-Chloronaphthalene	<10.0U	<10.0U	1	10
4-Chlorophenyl phenyl ether	<10.0U	<10.0U	1	10
Chrysene	<5.00U	<5.00U	1	5
Dibenzo(a,h)Anthracene	<5.00U	<5.00U	1	5
1,2-(o)Dichlorobenzene	<10.0U	<10.0U	1	10
1,3-(m)Dichlorobenzene	<10.0U	<10.0U	1	10
1,4-(p)Dichlorobenzene	<10.0U	<10.0U	1	10
3,3-Dichlorobenzidine	<5.00U	<5.00U	1	5
Diethyl Phthalate	<10.0U	<10.0U	1	10
Dimethyl Phthalate	<10.0U	<10.0U	1	10
Di-n-Butyl Phthalate	<10.0U	<10.0U	1	10
2,4-Dinitrotoluene	<10.0U	<10.0U	1	10
2,6-Dinitrotoluene	<10.0U	<10.0U	1	10
Di-n-Octyl Phthalate	<10.0U	<10.0U	1	10
1,2-Diphenylhydrazine (as Azo-benzene)	<20.0U	<20.0U	1	20
Fluoranthene	<10.0U	<10.0U	1	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Fluorene	<10.0U	<10.0U	1	10
Hexachlorobenzene	<5.00U	<5.00U	1	5
Hexachlorobutadiene	<10.0U	<10.0U	1	10
Hexachlorocyclo-pentadiene	<10.0U	<10.0U	1	10
Hexachloroethane	<20.0U	<20.0U	1	20
Indeno(1,2,3-cd)pyrene	<5.00U	<5.00U	1	5
Isophorone	<10.0U	<10.0U	1	10
Naphthalene	<10.0U	<10.0U	1	10
Nitrobenzene	<10.0U	<10.0U	1	10
N-Nitrosodimethylamine	<50.0U	<50.0U	1	50
N-Nitrosodi-n-Propylamine	<20.0U	<20.0U	1	20
N-Nitrosodiphenylamine	<20.0U	<20.0U	1	20
Phenanthrene	<10.0U	<10.0U	1	10
Pyrene	<10.0U	<10.0U	1	10
1,2,4-Trichlorobenzene	<10.0U	<10.0U	1	10

Table 4.0(2)E - Pesticides

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Aldrin	<0.004	<0.004	1	0.01
alpha-BHC (Hexachlorocyclohexane)	<0.003	<0.003	1	0.05
beta-BHC (Hexachlorocyclohexane)	<0.004	<0.004	1	0.05
gamma-BHC (Hexachlorocyclohexane)	<0.004	<0.004	1	0.05
delta-BHC (Hexachlorocyclohexane)	<0.006	<0.006	1	0.05
Chlordane	<0.100	<0.100	1	0.2
4,4-DDT	<0.004	<0.004	1	0.02
4,4-DDE	<0.009	<0.009	1	0.1
4,4,-DDD	<0.002	<0.002	1	0.1
Dieldrin	<0.005	<0.005	1	0.02
Endosulfan I (alpha)	<0.007	<0.007	1	0.01
Endosulfan II (beta)	<0.004	<0.004	1	0.02
Endosulfan Sulfate	<0.005	<0.005	1	0.1
Endrin	<0.004	<0.004	1	0.02
Endrin Aldehyde	<0.003	<0.003	1	0.1
Heptachlor	<0.004	<0.004	1	0.01
Heptachlor Epoxide	<0.004	<0.004	1	0.01
PCB-1242	<0.03	<0.03	1	0.2
PCB-1254	<0.03	<0.03	1	0.2
PCB-1221	<0.03	<0.03	1	0.2
PCB-1232	<0.03	<0.03	1	0.2
PCB-1248	<0.03	<0.03	1	0.2
PCB-1260	<0.03	<0.03	1	0.2
PCB-1016	<0.03	<0.03	1	0.2
Toxaphene	<0.100	<0.100	1	0.3

* For PCBs, if all are non-detects, enter the highest non-detect preceded by a "<".

Section 3. Dioxin/Furan Compounds

A. Indicate which of the following compounds from may be present in the influent from a contributing industrial user or significant industrial user. Check all that apply.

- ☐ 2,4,5-trichlorophenoxy acetic acid
Common Name 2,4,5-T, CASRN 93-76-5
- ☐ 2-(2,4,5-trichlorophenoxy) propanoic acid
Common Name Silvex or 2,4,5-TP, CASRN 93-72-1
- ☐ 2-(2,4,5-trichlorophenoxy) ethyl 2,2-dichloropropionate
Common Name Erbon, CASRN 136-25-4
- ☐ 0,0-dimethyl 0-(2,4,5-trichlorophenyl) phosphorothioate
Common Name Ronnel, CASRN 299-84-3
- ☐ 2,4,5-trichlorophenol
Common Name TCP, CASRN 95-95-4
- ☐ hexachlorophene
Common Name HCP, CASRN 70-30-4

For each compound identified, provide a brief description of the conditions of its/their presence at the facility.

N/A

B. Do you know or have any reason to believe that 2,3,7,8 Tetrachlorodibenzo-P-Dioxin (TCDD) or any congeners of TCDD may be present in your effluent?

☐ Yes ☒ No

If **yes**, provide a brief description of the conditions for its presence.

N/A

C. If any of the compounds in Subsection A **or** B are present, complete Table 4.0(2)F.

For pollutants identified in Table 4.0(2)F, indicate the type of sample.

Grab ☐ Composite ☐

Date and time sample(s) collected: [Click to enter text.](#)

Table 4.0(2)F – Dioxin/Furan Compounds

Compound	Toxic Equivalenc y Factors	Wastewater Concentration (ppq)	Wastewater Equivalents (ppq)	Sludge Concentration (ppt)	Sludge Equivalents (ppt)	MAL (ppq)
2,3,7,8 TCDD	1					10
1,2,3,7,8 PeCDD	0.5					50
2,3,7,8 HxCDDs	0.1					50
1,2,3,4,6,7,8 HpCDD	0.01					50
2,3,7,8 TCDF	0.1					10
1,2,3,7,8 PeCDF	0.05					50
2,3,4,7,8 PeCDF	0.5					50
2,3,7,8 HxCDFs	0.1					50
2,3,4,7,8 HpCDFs	0.01					50
OCDD	0.0003					100
OCDF	0.0003					100
PCB 77	0.0001					0.5
PCB 81	0.0003					0.5
PCB 126	0.1					0.5
PCB 169	0.03					0.5
Total						

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 6.0: INDUSTRIAL WASTE CONTRIBUTION

The following is required for all publicly owned treatment works.

Section 1. All POTWs (Instructions Page 89)

A. Industrial users (IUs)

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

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

Categorical IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0

Significant IUs - non-categorical:

Number of IUs: 0

Average Daily Flows, in MGD: 0

Other IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0

B. Treatment plant interference

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

☐ Yes ☒ No

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

N/A

C. Treatment plant pass through

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

☐ Yes ☒ No

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

N/A

D. Pretreatment program

Does your POTW have an approved pretreatment program?

☐ Yes ☒ No

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

Is your POTW required to develop an approved pretreatment program?

☐ Yes ☒ No

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

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

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

A. Substantial modifications

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

☐ Yes ☐ No

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

Click to enter text.

B. Non-substantial modifications

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

☐ Yes ☐ No

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

Click to enter text.

C. Effluent parameters above the MAL

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

Table 6.0(1) – Parameters Above the MAL

Pollutant	Concentration	MAL	Units	Date

D. Industrial user interruptions

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

☐ Yes ☐ No

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

Click to enter text.

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

A. General information

Company Name: N/A

SIC Code: Click to enter text.

Contact name: Click to enter text.

Address: Click to enter text.

City, State, and Zip Code: Click to enter text.

Telephone number: Click to enter text.

Email address: Click to enter text.

B. Process information

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

N/A

C. Product and service information

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

N/A

D. Flow rate information

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

Process Wastewater:

Discharge, in gallons/day: Click to enter text.

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

Non-Process Wastewater:

Discharge, in gallons/day: Click to enter text.

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

E. Pretreatment standards

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

☐ Yes ☐ No

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

☐ Yes ☐ No

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

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

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

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

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

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

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

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

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

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

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

F. Industrial user interruptions

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

☐ Yes ☐ No

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

[Click to enter text.](#)

ATTACHMENT NO. 8
TREATMENT PROCESS

Generation Park Management District

Wastewater Treatment Plant

Domestic Technical Report 1.0 – Section 2. Treatment Process Description

Existing/Interim Phase II (0.640 MGD)

The existing phase includes both a steel package plant and a portion of the ultimate concrete plant. The steel portion of the plant consists of digesters, aerations basins, and clarifier in common units. Each of the three (3) trains has a permitted capacity of 0.125 MGD of flow. The concrete portion of the plant consists of two (2) of the six ultimate concrete aerobic digester basins, one of which functions as an aeration basin until the future Sequencing Batch Reactor (SBR) basins are constructed, plus a concrete clarifier which can be converted into a gravity thickener. The treatment process is activated sludge process with single stage nitrification.

The wastewater flows from influent force mains (from two Generation Park Management District lift stations, plus one City of Houston lift station) to a manual bar screen and mechanical fine drum screen at the headworks. The effluent from the screens proceeds to an elevated splitter box, where it flows to the aeration basins for biological treatment. From the aeration basins the mixed liquor flows to the clarifiers for settling.

The settled sludge from the final clarifiers is either returned as Recycled Activated Sludge (RAS) to the aeration basins, or as Waste Activated Sludge (WAS) to the separate digesters. Each digester has aerators and airlift decanters to further thicken the sludge and return the supernatant back to the aeration basins, while the sludge is periodically removed and wet hauled to another facility for further dewatering and disposal. Course bubble diffusers are used for aeration and airlift decanters for supernatant transfer. Centrifugal blowers supply air to the aeration systems.

The settled final clarifier effluent flows to chlorine contact basins for disinfection. Finally, the clarified and disinfected effluent is conveyed from the plant in a 24-inch pipe, to a 48-inch storm sewer, to a 5'x4' RCB and then to the discharge point.

Proposed Interim Phase III (0.70 MGD)

The proposed interim 0.70 MGD phase will replace the steel plant with two (2) of the eight (8) ultimate sequencing batch reactors (SBRs).

The wastewater will flow from the force main header to an elevated fine screen and flow splitter/headworks structure to the SBRs for biological treatment and settling using an activated sludge process with single stage nitrification. Each SBR treats 350,000 gallons per day.

Fine bubble diffusers and/or jet aerators will be used for aeration and decanters will be used for removing the clarified supernatant effluent. Positive displacement blowers will supply air to the SBR basins.

The proposed phase will also include one chlorine contact basin, for final disinfection of the effluent. The treated effluent will be discharged through the existing 48-inch RCP to 5'x4' RCB outfall, to drainage channel P127-00-00 and ultimately to Greens Bayou.

Excess sludge from the SBRs will continue to 2 concrete digesters in the proposed phase. Two concrete digesters are existing, one of which is currently functioning as an aeration basin. This basin will be converted to a digester as part of the proposed phase. Each sludge digester will contain a decant mechanism for thickening the sludge. The decanted digester supernatant will be returned to the SBR treatment basins, and the thickened sludge will be periodically removed and wet hauled to another facility for further dewatering and disposal.

Final Phase (2.8 MGD) Future

In the final phase, six (6) additional concrete sequencing batch reactors (SBRs) will be added to the two SBRs proposed in the 0.70 MGD interim phase, for a total of eight (8) SBRs.

The wastewater will flow from the force main header to an elevated fine screen and flow splitter/headworks structure to the continuous flow SBRs for biological treatment and settling using an activated sludge process with single state nitrification.

Fine bubble diffusers and/or jet aerators will be used for aeration and decanters are used for removing the clarified supernatant effluent. Positive displacement blowers will supply air to the SBR basins. Subsequent final effluent treatment will be done with chlorine disinfection.

The decanted effluent that flows from the SBRs will be directed to a common equalization tank/chlorine contact chamber where the final disinfection occurs. The treated effluent flow will be metered and discharged through a 48-inch RCP to 5'x4' RCB outfall thence to drainage channel P127-00-00 and ultimately into Greens Bayou.

The excess sludge will be wasted from the SBRs to separate digesters. Each sludge digester will contain a decant mechanism for thickening the sludge. The decanted digester supernatant will be returned to the SBR treatment basins, and the thickened sludge will be periodically removed and wet hauled to another facility for further dewatering and disposal. **Future filters and sludge dewatering equipment may be installed after the package plant systems are removed.**

ATTACHMENT NO. 9
TREATMENT UNITS

Generation Park Management District

Wastewater Treatment Plant

Domestic Technical Report 1.0 – Table 1.0(1) Treatment Units

<u>Treatment Unit Type</u>	<u>Number of Units</u>	<u>Dimensions (L X W X D)</u>
Existing - 0.640 MGD Basins		
Aeration Basins	4	32 ft L X 12 ft W X 10.58 ft SWD
	2	32 ft L X 12 ft W X 10.48 ft SWD
	1	35 ft L X 25 ft W X 18.5 SWD
Clarifiers	3	26 ft Diameter X 9.67 ft SWD
	1	34 ft Diameter X 12.00 ft SWD
Chlorine Basins	2	10 ft L X 15 ft W X 7.33 ft SWD
	1	10 ft L X 15 ft W X 6.5 ft SWD
	1	36 ft L X 12 ft W X 6.5 ft SWD
Aerobic Digesters	4	20 ft L X 12 ft W X 10.00 ft SWD
	2	20 ft L X 12 ft W X 10.67 ft SWD
	1	35 ft L X 25 ft W X 18.5 SWD
Interim Phase – 0.70 MGD Basins		
SBR Basins	2	80 ft L X 30 ft W X 24 SWD
Chlorine Basins	1	60 ft L X 35 ft W X 11 SWD
Aerobic Digesters	2	35 ft L X 25 ft W X 18 SWD
Final Phase – 2.8 MGD Basins		
SBR Basins	8	80 ft L X 30 ft W X 24 SWD
Chlorine Basins	2	60 ft L X 35 ft W X 11 SWD
Aerobic Digesters	6	35 ft L X 25 ft W X 18 SWD

SWD – Side Wall Depth

L – Length

D – Depth

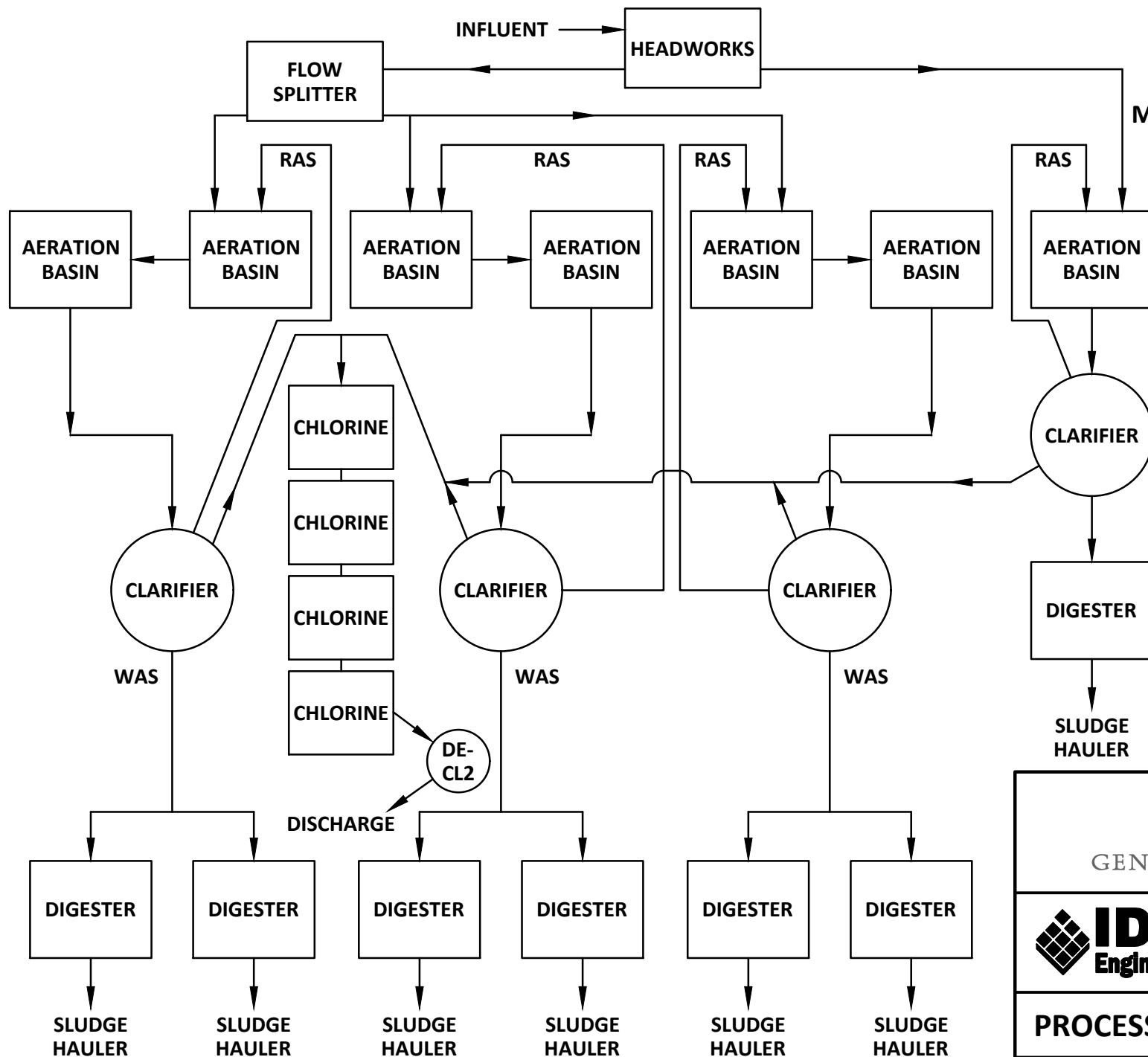
W – Width

ATTACHMENT NO. 10

PROCESS FLOW DIAGRAMS

S:\Projects\13301\133010302 GPW WWTP Phase 4\CAD\Exhibits\2024-08-20 Process Flow Diagram\PROC-FLOW-DIAG.dwg [0.640 MGD] Plotted Aug 20, 2024 at 9:52am by bradshaw (Last Saved by: bradshaw)

**0.640 MGD
EXISTING
GENERATION PARK
MANAGEMENT DISTRICT**



GENERATION PARK
A McCord Development Property



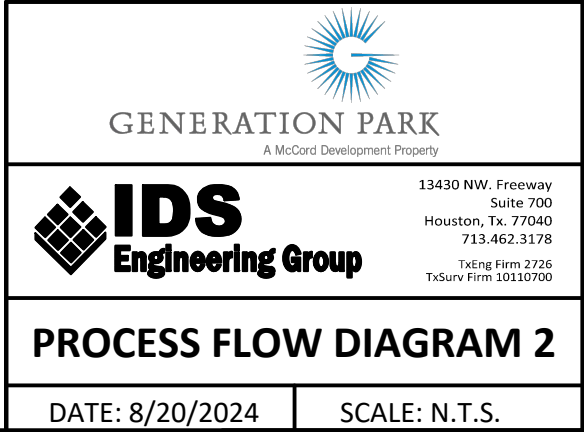
13430 NW. Freeway
Suite 700
Houston, Tx. 77040
713.462.3178
TxEng Firm 2726
TxSurv Firm 10110700

PROCESS FLOW DIAGRAM 1

DATE: 8/20/2024

SCALE: N.T.S.

S:\Projects\1300\133900302 GPW WWTP Phase 4\CAD\Exhibits\2024-08-20 Process Flow Diagram\PROC-FLOW-DIAG.dwg [0.700 MGD] Plotted Aug 20, 2024 at 10:33am by tbradshaw (Last Saved by: tbradshaw)

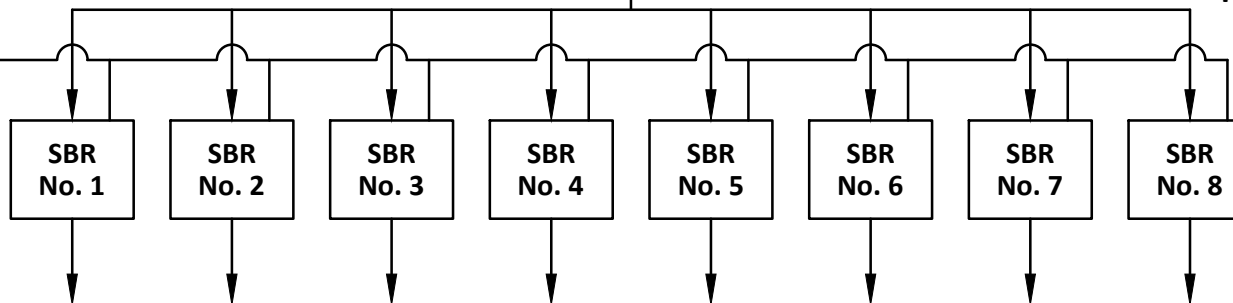


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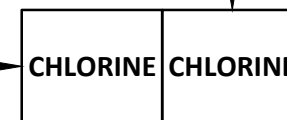
INFLUENT → **HEADWORKS**

**2.8 MGD
FINAL PHASE
GENERATION PARK
MANAGEMENT DISTRICT**

WAS

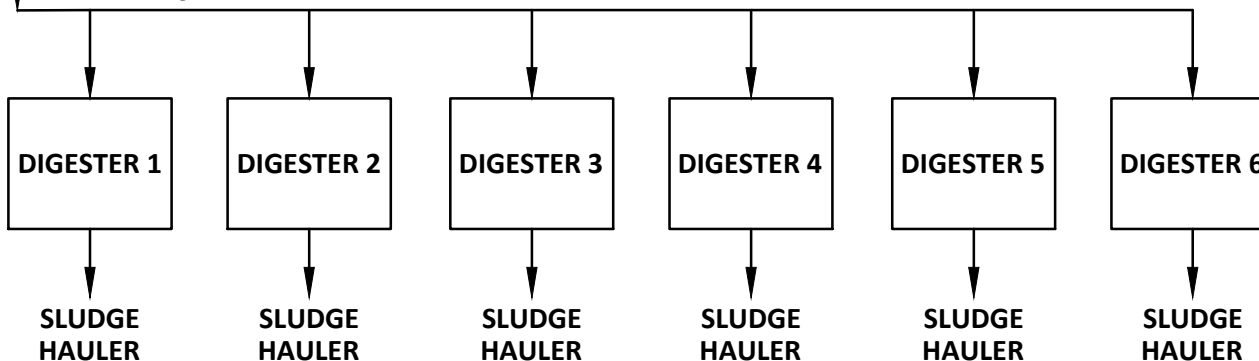


**DISC FILTER BASIN
w/ 2 CHANNELS
(IF REQUIRED)**



DISCHARGE

WAS



GENERATION PARK
A McCord Development Property



13430 NW. Freeway
Suite 700
Houston, Tx. 77040
713.462.3178
TxEng Firm 2726
TxSurv Firm 10110700

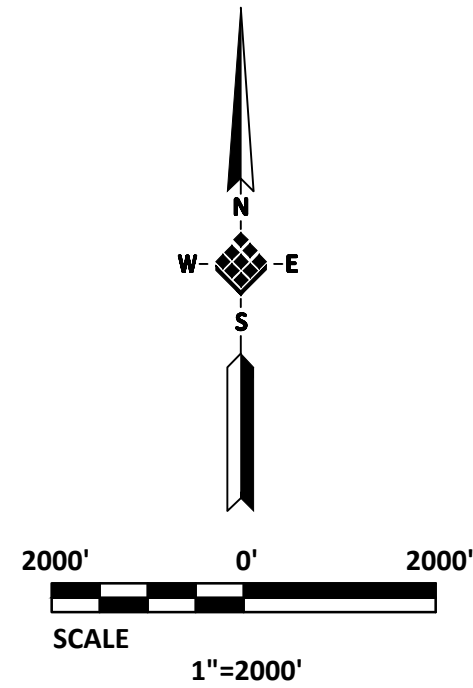
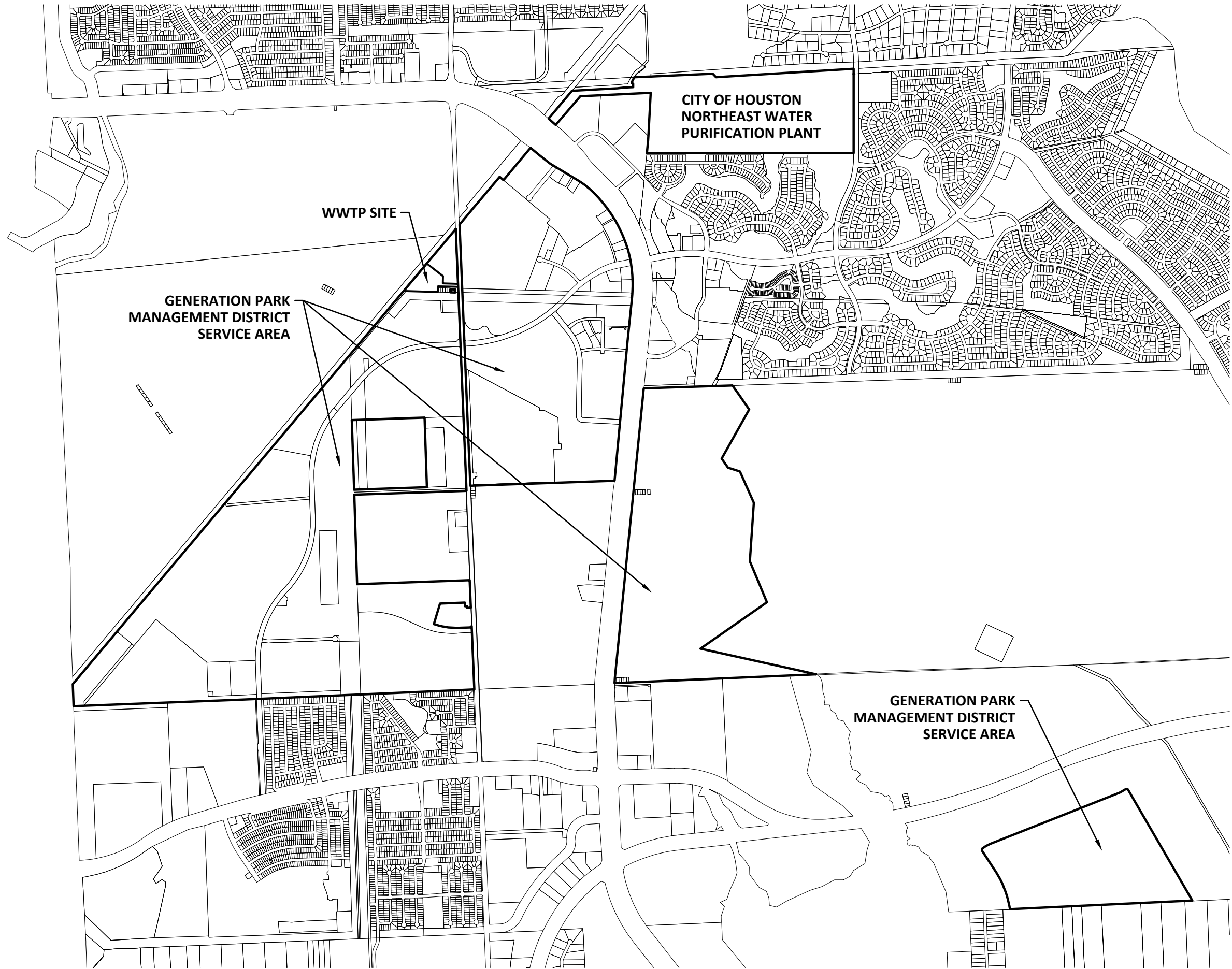
PROCESS FLOW DIAGRAM 3

DATE: 8/20/2024

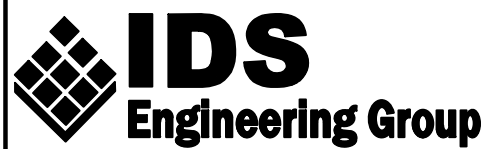
SCALE: N.T.S.

ATTACHMENT NO. 11

SITE DRAWING



NOTE:
THIS WASTEWATER TREATMENT PLAN WILL SERVE
AS MUCH OF GENERATION PARK MANAGEMENT
DISTRICT AS ITS CAPACITY ALLOWS.

		13430 NW. Freeway Suite 700 Houston, Tx. 77040 713.462.3178 TxEng Firm 2726 TxSurv Firm 10110700	
GENERATION PARK MANAGEMENT DISTRICT DOMESTIC WASTEWATER PERMIT RENEWAL AND MINOR AMENDMENT APPLICATION TPDES PERMIT NUMBER WQ0014625001			
IDS PROJECT NO. 1339-012-03			
DATE: 8/29/2024		SCALE: 1" = 2000'	

\\dsag.com\is\Projects\1300\133901203 GPW WWTP 2024 Permit Renewal\CAD\Exhibits\2024-08-29\WWTP SERVICE AREA EXHIBIT.dwg (11x17) Plotted Aug 29, 2024 at 3:43pm by bradshaw (Last Saved by: thadshaw)

ATTACHMENT NO. 12
TCEQ APPROVAL LETTER FOR 0.64 MGD PHASE

Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Toby Baker, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

May 25, 2021

Vernon H. Webb II, P.E.
IDS Engineering Group
13430 Northwest Freeway, Suite 700
Houston, TX 77040

Re: Generation Park Management District
Plant Expansion From 0.375 to 0.64 MGD
Permit No. WQ0014625-001
WWPR Log No. 0421/098
CN604386060, RN104611942
Harris County

Dear Mr. Webb:

TCEQ received the project summary transmittal letter dated April 6, 2021.

The rules which regulate the design, installation and testing of domestic wastewater projects are found in 30 TAC, Chapter 217, of the Texas Commission on Environmental Quality (TCEQ) rules titled, Design Criteria for Wastewater Systems.

Section 217.6(e), relating to case-by-case reviews, states in part that upon submittal of a summary transmittal letter, the executive director may approve of the project without reviewing a complete set of plans and specifications.

Under the authority of §217.6(e) a technical review of complete plans and specifications is not required. **However, the project proposed in the summary transmittal letter is approved for construction. Please note, that this conditional approval does not relieve the applicant of any responsibilities to obtain all other necessary permits or authorizations, such as wastewater treatment permit or other authorization as required by Chapter 26 of the Texas Water Code. Also, the conditional approval is granted based on the operation for the entire new train being halted during any maintenance activities for this train.** Below are provisions of the Chapter 217 regulations, which must be met as a condition of approval. These items are provided as a reminder. If you have already met these requirements, please disregard this additional notice.

You must keep certain materials on file for the life of the project and provide them to TCEQ upon request. These materials include an engineering report, test results, a summary transmittal letter, and the final version of the project plans and specifications. These materials shall be prepared and sealed by a Professional Engineer licensed in the State of Texas and must show substantial compliance with Chapter 217. All plans and specifications must conform to any waste discharge requirements authorized in a permit by the TCEQ. Certain specific items which shall be addressed in the engineering report are discussed in §217.10. Additionally, the engineering report must include all constants, graphs, equations, and calculations needed to show substantial compliance with Chapter 217.

Vernon H. Webb II, P.E.

Page 2

May 25, 2021

No variances of any 30 TAC Chapter 217 requirements were requested or granted as part of this project review. If in the future, any variances from the Chapter 217 requirements are desired for the project, each variance must be requested in writing by the design engineer. Then, the TCEQ will consider granting a written approval to the variance from the rules for the specific project and the specific circumstances.

Within 60 days of the completion of construction, an appointed engineer shall notify both the Wastewater Permits Section of the TCEQ and the appropriate Region Office of the date of completion. The engineer shall also provide written certification that all construction, materials, and equipment were substantially in accordance with the approved project, the rules of the TCEQ, and any change orders filed with the TCEQ. All notifications, certifications, and change orders must include the signed and dated seal of a Professional Engineer licensed in the State of Texas.

Please be reminded of 30 TAC §217.7(a) of the rules which states, "Approval given by the executive director or other authorized review authority does not relieve an owner of any liability or responsibility with respect to designing, constructing, or operating a collection system or treatment facility in accordance with applicable commission rules and the associated wastewater permit".

If you have any questions, or if we can be of any further assistance, please call me at (512) 239-1372.

Sincerely,

A handwritten signature in black ink that reads "Paul A. Brochi". The signature is written in a cursive, flowing style.

Paul A. Brochi, P.E.
Wastewater Permits Section (MC 148)
Water Quality Division
Texas Commission on Environmental Quality

PAB/tc

ATTACHMENT NO. 13

COPY OF LABORATORY RESULTS SHEETS



August 15, 2024

Laboratory Report

Dana Angelos
Inframark
32259 Morton Road
Brookshire, TX 77423

Report ID: 20240815082314AEN

The following test results meet all NELAP requirements for analytes for which certification is available. Any deviations from our quality system will be noted in the case narrative. All analyses performed by North Water District Laboratory Services, Inc. unless noted.

For questions regarding this report, contact Monica Martin at 936-321-6060.

Sincerely,

Aundra Noe For Rebecca Rabon
Assistant Project Manager



Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
08/15/2024 08:23

Sample Results

Client Sample ID: Outfall 001

Sample Matrix: Waste Water

Lab Sample ID: 24G1325-01

Date Collected: 07/02/2024 8:45

Generation Park - NP - Permit Renewal 2024

521

Collected by: Eddie Blackshear

Method	Analyte	*	Result Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
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Volatile Organic Compounds by GCMS

EPA 624.1	1,1,1-Trichloroethane	A	<10.0U	ug/L	1	0.622	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	1,1,2,2-Tetrachloroethane	A	<10.0U	ug/L	1	0.867	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	1,1,2-Trichloroethane	A	<10.0U	ug/L	1	0.789	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	1,1-Dichloroethane	A	<10.0U	ug/L	1	0.967	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	1,1-Dichloroethylene	A	<10.0U	ug/L	1	0.849	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	1,2-Dibromoethane (EDB, Ethylene dibromide)	A	<10.0U	ug/L	1	0.706	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	1,2-Dichlorobenzene (o-Dichlorobenzene)	A	<10.0U	ug/L	1	0.881	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	1,2-Dichloroethane (Ethylene dichloride)	A	<10.0U	ug/L	1	0.870	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	1,2-Dichloropropane	A	<10.0U	ug/L	1	0.854	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	1,3-Dichlorobenzene (m-Dichlorobenzene)	A	<10.0U	ug/L	1	0.717	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	1,4-Dichlorobenzene (p-Dichlorobenzene)	A	<10.0U	ug/L	1	0.641	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	2-Butanone (Methyl ethyl ketone, MEK)	A	<50.0U	ug/L	1	7.38	50.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	2-Chloroethyl vinyl ether	A	<10.0U	ug/L	1	3.14	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	Acrolein (Propenal)	A	<17.0U	ug/L	1	5.68	17.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	Acrylonitrile	A	<50.0U	ug/L	1	1.60	50.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	Benzene	A	<10.0U	ug/L	1	0.604	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	Bromodichloromethane	A	40.4	ug/L	1	0.727	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	Bromoform	A	<10.0U	ug/L	1	0.678	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	Carbon tetrachloride	A	<2.00U	ug/L	1	0.500	2.00	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	Chlorobenzene	A	<10.0U	ug/L	1	0.724	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	Chlorodibromomethane	A	18.5	ug/L	1	0.802	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	Chloroethane (Ethyl chloride)	A	<50.0U	ug/L	1	1.30	50.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	Chloroform	A	45.2V	ug/L	1	0.688	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	cis-1,3-Dichloropropene	A	<10.0U	ug/L	1	0.580	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	Ethylbenzene	A	<10.0U	ug/L	1	0.727	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	Methyl bromide (Bromomethane)	A	<50.0U	ug/L	1	1.42	50.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	Methyl chloride (Chloromethane)	A	<50.0U	ug/L	1	0.765	50.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	Methylene chloride (Dichloromethane)	A	<20.0U	ug/L	1	1.60	20.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	Toluene	A	<10.0U	ug/L	1	0.649	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	Total Trihalomethanes (TTHMs)	A	106	ug/L	1	2.00	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	trans-1,2-Dichloroethylene	A	<10.0U	ug/L	1	0.899	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	trans-1,3-Dichloropropylene	A	<10.0U	ug/L	1	0.496	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	Trichloroethene (Trichloroethylene)	A	<10.0U	ug/L	1	0.744	10.0	BHG0199	07/02/2024 17:19	DDB

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



Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
08/15/2024 08:23

Sample Results
(Continued)

Client Sample ID: Outfall 001 (Continued)
Lab Sample ID: 24G1325-01
Generation Park - NP - Permit Renewal 2024

521

Sample Matrix: Waste Water
Date Collected: 07/02/2024 8:45
Collected by: Eddie Blackshear

Method	Analyte	*	Result Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
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Volatile Organic Compounds by GCMS (Continued)

EPA 624.1	Vinyl chloride (Chloroethene)	A	<10.0U	ug/L	1	1.30	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	Surrogate: 4-Bromofluorobenzene-surr	97.8%	70-130						07/02/2024 17:19	
EPA 624.1	Surrogate: 1,2-Dichloroethane-d4-surr	105%	70-130						07/02/2024 17:19	
EPA 624.1	Surrogate: Dibromofluoromethane-surr	106%	70-130						07/02/2024 17:19	
EPA 624.1	Surrogate: Toluene-d8-surr	98.8%	70-130						07/02/2024 17:19	

Semivolatile Organic Compounds by GCMS

ASTM D7065	Nonylphenol	N	<333U	ug/L	2	5.96	333	BHG0319	07/04/2024 19:57	cdg
ASTM D7065	Surrogate: n-NP-surr	9.99% S	60-140						07/04/2024 19:57	
EPA 625.1	1,2,4,5-Tetrachlorobenzene	A	<10.0U	ug/L	1	0.0760	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	1,2,4-Trichlorobenzene	A	<10.0U	ug/L	1	0.0943	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	1,2-Diphenylhydrazine	A	<20.0U	ug/L	1	0.250	20.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy	A	<10.0U	ug/L	1	0.129	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	2,4,5-Trichlorophenol	A	<10.0U	ug/L	1	0.210	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	2,4,6-Trichlorophenol	A	<10.0U	ug/L	1	0.385	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	2,4-Dichlorophenol	A	<10.0U	ug/L	1	0.256	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	2,4-Dimethylphenol	A	<10.0U	ug/L	1	0.294	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	2,4-Dinitrophenol	A	<50.0U	ug/L	1	2.85	50.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	2,4-Dinitrotoluene (2,4-DNT)	A	<10.0U	ug/L	1	0.0530	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	2,6-Dinitrotoluene (2,6-DNT)	A	<10.0U	ug/L	1	0.584	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	2-Chloronaphthalene	A	<10.0U	ug/L	1	0.123	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	2-Chlorophenol	A	<10.0U	ug/L	1	0.147	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph	A	<50.0U	ug/L	1	0.511	50.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	2-Nitrophenol	A	<20.0U	ug/L	1	0.218	20.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	3,4-Methylphenol	A	<10.0U	ug/L	1	0.462	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	4-Bromophenyl phenyl ether (BDE-3)	A	<10.0U	ug/L	1	0.0682	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	4-Chloro-3-methylphenol	A	<10.0U	ug/L	1	0.218	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	4-Chlorophenyl phenylether	A	<10.0U	ug/L	1	0.207	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	4-Nitrophenol	A	<50.0U	ug/L	1	2.40	50.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Acenaphthene	A	<10.0U	ug/L	1	0.0776	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Acenaphthylene	A	<10.0U	ug/L	1	0.0594	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Anthracene	A	<10.0U	ug/L	1	0.0532	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Benzo(a)anthracene	A	<5.00U	ug/L	1	0.0738	5.00	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Benzo(a)pyrene	A	<5.00U	ug/L	1	0.143	5.00	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	benzo(b&k)fluoranthene	A	<5.00U	ug/L	1	0.118	5.00	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Benzo(g,h,i)perylene	A	<20.0U	ug/L	1	0.112	20.0	BHG0976	07/11/2024 05:09	KRB

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



Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
08/15/2024 08:23

Sample Results
(Continued)

Client Sample ID: Outfall 001 (Continued)
Lab Sample ID: 24G1325-01
Generation Park - NP - Permit Renewal 2024

521

Sample Matrix: Waste Water
Date Collected: 07/02/2024 8:45
Collected by: Eddie Blackshear

Method	Analyte	*	Result Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
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Semivolatile Organic Compounds by GCMS (Continued)

EPA 625.1	bis(2-Chloroethoxy)methane	A	<10.0U	ug/L	1	0.112	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	bis(2-Chloroethyl) ether	A	<10.0U	ug/L	1	0.184	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Bis(2-ethylhexyl)phthalate	A	<10.0U	ug/L	1	0.500	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Butyl benzyl phthalate	A	<10.0U	ug/L	1	0.123	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Chrysene	A	<5.00U	ug/L	1	0.0573	5.00	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Dibenzo(a,h)anthracene	A	<5.00U	ug/L	1	0.152	5.00	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Diethyl phthalate	A	<10.0U	ug/L	1	0.150	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Dimethyl phthalate	A	<10.0U	ug/L	1	0.0869	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Di-n-butyl phthalate	A	<10.0U	ug/L	1	0.505	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Di-n-octyl phthalate	A	<10.0U	ug/L	1	0.163	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Fluoranthene	A	<10.0U	ug/L	1	0.0676	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Fluorene	A	<10.0U	ug/L	1	0.0589	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Hexachlorobenzene	A	<5.00U	ug/L	1	0.0629	5.00	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Hexachlorobutadiene	A	<10.0U	ug/L	1	0.0697	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Hexachlorocyclopentadiene	A	<10.0U	ug/L	1	0.250	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Hexachloroethane	A	<20.0U	ug/L	1	0.0644	20.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Hexachlorophene	A	<10.0U	ug/L	1	0.343	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Indeno(1,2,3-cd) pyrene	A	<5.00U	ug/L	1	0.126	5.00	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Isophorone	A	<10.0U	ug/L	1	0.0853	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Naphthalene	A	<10.0U	ug/L	1	0.0742	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Nitrobenzene	A	<10.0U	ug/L	1	0.118	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	n-Nitrosodiethylamine	A	<20.0U	ug/L	1	0.162	20.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	n-Nitrosodimethylamine	A	<50.0U	ug/L	1	1.24	50.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	n-Nitroso-di-n-butylamine	A	<20.0U	ug/L	1	1.87	20.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	n-Nitrosodi-n-propylamine	A	<20.0U	ug/L	1	0.445	20.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	n-Nitrosodiphenylamine	A	<20.0U	ug/L	1	0.0609	20.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Pentachlorobenzene	A	<20.0U	ug/L	1	0.0514	20.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Pentachlorophenol	A	<5.00U	ug/L	1	0.437	5.00	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Phenanthrene	A	<10.0U	ug/L	1	0.0816	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Phenol, Total	A	<10.0U	ug/L	1	0.470	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Pyrene	A	<10.0U	ug/L	1	0.0848	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Pyridine	A	<20.0U	ug/L	1	4.40	20.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Surrogate: 2,4,6-Tribromophenol-surr		9.18% S	33.6-139					07/11/2024 05:09	
EPA 625.1	Surrogate: 2-Fluorobiphenyl-surr		87.0%	32.2-138					07/11/2024 05:09	
EPA 625.1	Surrogate: 2-Fluorophenol-surr		2.32% S	32.7-137					07/11/2024 05:09	
EPA 625.1	Surrogate: Nitrobenzene-d5-surr		62.1%	31.2-136					07/11/2024 05:09	
EPA 625.1	Surrogate: Phenol-d5-surr		1.22% S	28.9-155					07/11/2024 05:09	

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Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
08/15/2024 08:23

Sample Results (Continued)

Client Sample ID: Outfall 001 (Continued)

Sample Matrix: Waste Water

Lab Sample ID: 24G1325-01

Date Collected: 07/02/2024 8:45

Generation Park - NP - Permit Renewal 2024

521

Collected by: Eddie Blackshear

Method	Analyte	*	Result Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
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Semivolatile Organic Compounds by GCMS (Continued)

EPA 625.1 Surrogate: p-Terphenyl-d14-surr 119% S 37.6-117 07/11/2024 05:09

Organics by GC

SM 6640 B	2,4-D	A	<0.700U	ug/L	2	0.233	0.700	BHG0419	07/18/2024 09:38	cdg
SM 6640 B	Silvex (2,4,5-TP)	A	<0.300U	ug/L	2	0.235	0.300	BHG0419	07/18/2024 09:38	cdg
EPA 1657	Azinphos-methyl (Guthion)	A	<0.100U	ug/L	1	0.0333	0.100	BHG0406	07/17/2024 06:24	cdg
EPA 1657	Chlorpyrifos	A	<0.0500U	ug/L	1	0.0257	0.0500	BHG0406	07/17/2024 06:24	cdg
EPA 1657	Demeton	A	<0.200U	ug/L	1	0.0129	0.200	BHG0406	07/17/2024 06:24	cdg
EPA 1657	Diazinon	A	<0.500U	ug/L	1	0.0322	0.500	BHG0406	07/17/2024 06:24	cdg
EPA 1657	Malathion	A	<0.100U	ug/L	1	0.0133	0.100	BHG0406	07/17/2024 06:24	cdg
EPA 1657	Parathion, ethyl	A	<0.100U	ug/L	1	0.0207	0.100	BHG0406	07/17/2024 06:24	cdg

Metals, Total

EPA 200.8	Aluminum	A	39.2	ug/L	1	0.167	5.00	BHG0260	07/10/2024 08:36	JKC
EPA 200.8	Antimony	A	<5.00U	ug/L	1	0.0589	5.00	BHG0260	07/10/2024 08:36	JKC
EPA 200.8	Arsenic	A	<0.500U	ug/L	1	0.0468	0.500	BHG0260	07/16/2024 12:41	JKC
EPA 200.8	Barium	A	74.0	ug/L	1	0.0200	3.00	BHG0260	07/10/2024 08:36	JKC
EPA 200.8	Beryllium	A	<0.500U	ug/L	1	0.0137	0.500	BHG0260	07/12/2024 14:12	JKC
EPA 200.8	Cadmium	A	<1.00U	ug/L	1	0.00798	1.00	BHG0260	07/10/2024 08:36	JKC
EPA 200.8	Chromium	A	<3.00U	ug/L	1	0.0839	3.00	BHG0260	07/10/2024 08:36	JKC
EPA 200.8	Copper	A	2.53	ug/L	1	0.182	2.00	BHG0260	07/09/2024 14:10	JKC
Calc	Chromium (III)		<0.00600	mg/L	1	0.00158	0.00600	[CALC]	07/10/2024 12:25	JVG
EPA 200.8	Lead	A	<0.500U	ug/L	1	0.0120	0.500	BHG0260	07/10/2024 08:36	JKC
EPA 200.8	Nickel	A	<2.00U	ug/L	1	0.0398	2.00	BHG0260	07/10/2024 08:36	JKC
EPA 200.8	Selenium	A	<5.00U	ug/L	1	0.354	5.00	BHG0260	07/18/2024 08:21	JKC
EPA 200.8	Silver	A	<0.500U	ug/L	1	0.00467	0.500	BHG0260	07/10/2024 08:36	JKC
EPA 200.8	Thallium	A	<0.500U	ug/L	1	0.0617	0.500	BHG0260	07/10/2024 08:36	JKC
EPA 200.8	Zinc	A	67.2	ug/L	1	0.207	5.00	BHG0260	07/12/2024 14:12	JKC

Metals, Dissolved

SM 3500-Cr B	Chromium (VI)	A	4.46	ug/L	1	1.50	3.00	BHG1015	07/10/2024 12:25	JVG
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General Chemistry

SM 2320 B	Alkalinity as CaCO3	A	86.9	mg/L	1	10.0	10.0	BHG0261	07/03/2024 09:28	FPN
SM 5210 B	Carbonaceous BOD (CBOD)	A	<2.03U	mg/L	13514	2.03	2.03	BHG0266	07/08/2024 11:04	NAZ
SM 4500-CN ⁻ G	Amenable Cyanide	A	<10.0U	ug/L	1	5.00	10.0	BHG0858	07/08/2024 14:55	TBB
SM 4500-CN ⁻ C	Total Cyanide	A	<10.0U	ug/L	1	5.00	10.0	BHG0858	07/08/2024 14:55	TBB
SM 2510 B	Conductivity	A	671	umhos/cm @ 25 °C	1	2.00	2.00	BHG0261	07/03/2024 09:28	FPN

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Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
08/15/2024 08:23

Sample Results (Continued)

Client Sample ID: Outfall 001 (Continued)

Sample Matrix: Waste Water

Lab Sample ID: 24G1325-01

Date Collected: 07/02/2024 8:45

Generation Park - NP - Permit Renewal 2024

521

Collected by: Eddie Blackshear

Method	Analyte	*	Result Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
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General Chemistry (Continued)

EPA 300.0	Fluoride	A	<0.250U	mg/L	1	0.0105	0.250	BHG0392	07/03/2024 16:43	AGZ
EPA 350.1	Ammonia as N	A	<0.0400U	mg/L	1	0.0140	0.0400	BHG0371	07/05/2024 11:08	NAZ
EPA 300.0	Nitrate as N	A	1750	ug/L	1	14.2	100	BHG0392	07/03/2024 16:43	AGZ
EPA 300.0	Nitrite as N	A	<50.0C+, U	ug/L	1	5.10	50.0	BHG0392	07/03/2024 16:43	AGZ
EPA 1664A	n-Hexane Extractable Material (O&G)	A	<5.00U	mg/L	1	5.00	5.00	BHG0933	07/09/2024 09:17	IDC
EPA 300.0	Sulfate	A	23.0	mg/L	1	0.0341	1.00	BHG0392	07/03/2024 16:43	AGZ
SM 2540 C	Residue-filterable (TDS)	A	370	mg/L	1	10.0	10.0	BHG0293	07/05/2024 11:46	BP
SM 4500-NH3 C	Total Kjeldahl Nitrogen - (TKN)	A	<1.00U	mg/L	1	0.100	1.00	BHG1831	07/17/2024 11:15	NAZ
EPA 365.1	Total Phosphorus	A	0.242	mg/L	1	0.117	0.200	BHG0401	07/10/2024 16:57	GJG
SM 2540 D	Residue-nonfilterable (TSS)	A	3.05	mg/L	1	1.00	1.00	BHG0336	07/05/2024 09:25	BP

Microbiology

Enterolert/ASTM D6503-99	Enterococci	A	<1.00U	MPN/100 mL	1	1.00	1.00	BHG0197	07/03/2024 14:24	JKB
SM 9223 B (Colilert Quanti-Tray)	Escherichia coli (E. coli)	A	<1.00CQa, U	MPN/100 mL	1	1.00	1.00	BHG0198	07/03/2024 14:43	ENR

Field

Hach 10360	DO Field	N	7.68	mg/L	1	1.00	1.00	BHG0381	07/02/2024 08:45	EEB
Calc	Flow Field	N	0.101	MGD	1	0.00	0.00	BHG0381	07/02/2024 08:45	EEB
SM 4500-H+ B	pH	A	7.55	pH Units @ 25 °C	1	1.00	1.00	BHG0381	07/02/2024 08:45	EEB
SM 4500-Cl G	Total Residual Chlorine	A	4.00	mg/L	1	0.25	0.25	BHG0381	07/02/2024 08:45	EEB

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Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
08/15/2024 08:23

Sample Results
(Continued)

Client Sample ID: Outfall 001

Sample Matrix: Waste Water

Lab Sample ID: 24G1325-01RE1

Date Collected: 07/02/2024 8:45

Generation Park - NP - Permit Renewal 2024

521

Collected by: Eddie Blackshear

Method	Analyte	*	Result Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
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Volatile Organic Compounds by GCMS

EPA 624.1	Tetrachloroethylene (Perchloroethylene) (Rerun)	A	<10.0U	ug/L	1	0.703	10.0	BHG0412	07/03/2024 18:59	DDB
<hr/>										
EPA 624.1	Surrogate: 4-Bromofluorobenzene-surr (Reru		103%	70-130					07/03/2024 18:59	
EPA 624.1	Surrogate: 1,2-Dichloroethane-d4-surr (Reru		108%	70-130					07/03/2024 18:59	
EPA 624.1	Surrogate: Dibromofluoromethane-surr (Reru		108%	70-130					07/03/2024 18:59	
EPA 624.1	Surrogate: Toluene-d8-surr (Rerun)		99.7%	70-130					07/03/2024 18:59	

Semivolatile Organic Compounds by GCMS

EPA 625.1	3,3'-Dichlorobenzidine (Rerun)	A	<5.00U	ug/L	1	3.87	5.00	BHG0976	07/13/2024 04:58	KRB
EPA 625.1	Benzidine (Rerun)	A	<50.0U	ug/L	1	11.8	50.0	BHG0976	07/13/2024 04:58	KRB
<hr/>										
EPA 625.1	Surrogate: 2-Fluorobiphenyl-surr (Rerun)		73.6%	32.2-138					07/13/2024 04:58	
EPA 625.1	Surrogate: Nitrobenzene-d5-surr (Rerun)		85.7%	31.2-136					07/13/2024 04:58	
EPA 625.1	Surrogate: p-Terphenyl-d14-surr (Rerun)		77.7%	37.6-117					07/13/2024 04:58	

General Chemistry

EPA 300.0	Chloride (Rerun)	A	12.7	mg/L	1	0.0345	1.00	BHG0767	07/06/2024 00:10	AGZ
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Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
08/15/2024 08:23

Sample Results
(Continued)

Client Sample ID: Outfall 001

Lab Sample ID: 24G2012-01

Generation Park - NP - Permit Renewal Recollect

521

Sample Matrix: Waste Water

Date Collected: 07/05/2024 7:10

Collected by: Andrew Rodriguez

Method	Analyte	*	Result Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
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Metals, Total

EPA 1631E	Mercury	A	<0.00500U	ug/L	1	0.00250	0.00500	BHG0760	07/09/2024 14:52	JKC
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TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
08/15/2024 08:23

Sample Results
(Continued)

Client Sample ID: 18 Mohm DI

Lab Sample ID: 24G2012-02

Generation Park - NP - Permit Renewal Recollect

521

Sample Matrix: Waste Water

Date Collected: 07/05/2024 7:15

Collected by: Andrew Rodriguez

Method	Analyte	*	Result Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
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Metals, Total

EPA 1631E	Mercury	A	<0.00500U	ug/L	1	0.00250	0.00500	BHG0760	07/09/2024 14:47	JKC
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Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
08/15/2024 08:23

Quality Control

Volatile Organic Compounds by GCMS

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHG0199 - EPA 624										
Blank (BHG0199-BLK1)					Prepared & Analyzed: 7/2/2024					
1,1,1-Trichloroethane	<10.0	U	10.0	ug/L						
1,1,2,2-Tetrachloroethane	<10.0	U	10.0	ug/L						
1,1,2-Trichloroethane	<10.0	U	10.0	ug/L						
1,1-Dichloroethane	<10.0	U	10.0	ug/L						
1,1-Dichloroethylene	<10.0	U	10.0	ug/L						
1,2-Dibromoethane (EDB, Ethylene dibromide)	<10.0	U	10.0	ug/L						
1,2-Dichlorobenzene (o-Dichlorobenzene)	<10.0	U	10.0	ug/L						
1,2-Dichloroethane (Ethylene dichloride)	<10.0	U	10.0	ug/L						
1,2-Dichloropropane	<10.0	U	10.0	ug/L						
1,3-Dichlorobenzene (m-Dichlorobenzene)	<10.0	U	10.0	ug/L						
1,4-Dichlorobenzene (p-Dichlorobenzene)	<10.0	U	10.0	ug/L						
2-Butanone (Methyl ethyl ketone, MEK)	<50.0	U	50.0	ug/L						
2-Chloroethyl vinyl ether	<10.0	U	10.0	ug/L						
Acrolein (Propenal)	<17.0	U	17.0	ug/L						
Acrylonitrile	<50.0	U	50.0	ug/L						
Benzene	<10.0	U	10.0	ug/L						
Bromodichloromethane	<10.0	U	10.0	ug/L						
Bromoform	<10.0	U	10.0	ug/L						
Carbon tetrachloride	<2.00	U	2.00	ug/L						
Chlorobenzene	<10.0	U	10.0	ug/L						
Chlorodibromomethane	<10.0	U	10.0	ug/L						
Chloroethane (Ethyl chloride)	<50.0	U	50.0	ug/L						
Chloroform	<10.0	U	10.0	ug/L						
cis-1,3-Dichloropropene	<10.0	U	10.0	ug/L						
Ethylbenzene	<10.0	U	10.0	ug/L						
Methyl bromide (Bromomethane)	<50.0	U	50.0	ug/L						
Methyl chloride (Chloromethane)	<50.0	U	50.0	ug/L						
Methylene chloride (Dichloromethane)	<20.0	U	20.0	ug/L						
Tetrachloroethylene (Perchloroethylene)	<10.0	U	10.0	ug/L						
Toluene	<10.0	U	10.0	ug/L						
Total Trihalomethanes (TTHMs)	<10.0	U	10.0	ug/L						
trans-1,2-Dichloroethylene	<10.0	U	10.0	ug/L						
trans-1,3-Dichloropropylene	<10.0	U	10.0	ug/L						
Trichloroethene (Trichloroethylene)	<10.0	U	10.0	ug/L						
Vinyl chloride (Chloroethene)	<10.0	U	10.0	ug/L						
Surrogate: 4-Bromofluorobenzene-surr			50.5	ug/L	50.0		101	70-130		
Surrogate: 1,2-Dichloroethane-d4-surr			51.1	ug/L	50.0		102	70-130		
Surrogate: Dibromofluoromethane-surr			52.6	ug/L	50.0		105	70-130		
Surrogate: Toluene-d8-surr			49.4	ug/L	50.0		98.8	70-130		

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Reported:
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Quality Control
(Continued)

Volatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit
Batch: BHG0199 - EPA 624 (Continued)									
LCS (BHG0199-BS1)					Prepared & Analyzed: 7/2/2024				
1,1,1-Trichloroethane	49.3		10.0	ug/L	50.0		98.7	70-130	
1,1,2,2-Tetrachloroethane	40.3		10.0	ug/L	50.0		80.7	60-140	
1,1,2-Trichloroethane	41.6		10.0	ug/L	50.0		83.1	70-130	
1,1-Dichloroethane	47.2		10.0	ug/L	50.0		94.4	70-130	
1,1-Dichloroethylene	50.6		10.0	ug/L	50.0		101	50-150	
1,2-Dibromoethane (EDB, Ethylene dibromide)	41.8		10.0	ug/L	50.0		83.6	70-130	
1,2-Dichlorobenzene (o-Dichlorobenzene)	43.9		10.0	ug/L	50.0		87.8	65-135	
1,2-Dichloroethane (Ethylene dichloride)	43.0		10.0	ug/L	50.0		86.1	70-130	
1,2-Dichloropropane	44.9		10.0	ug/L	50.0		89.8	35-165	
1,3-Dichlorobenzene (m-Dichlorobenzene)	45.2		10.0	ug/L	50.0		90.4	70-130	
1,4-Dichlorobenzene (p-Dichlorobenzene)	44.7		10.0	ug/L	50.0		89.5	65-135	
2-Butanone (Methyl ethyl ketone, MEK)	393		50.0	ug/L	500		78.6	70-130	
2-Chloroethyl vinyl ether	39.1		10.0	ug/L	50.0		78.2	0-225	
Acrolein (Propenal)	211		50.0	ug/L	250		84.6	60-140	
Acrylonitrile	42.9	U	50.0	ug/L	50.0		85.9	60-140	
Benzene	47.3		10.0	ug/L	50.0		94.6	65-135	
Bromodichloromethane	45.3		10.0	ug/L	50.0		90.6	65-135	
Bromoform	40.9		10.0	ug/L	50.0		81.8	70-130	
Carbon tetrachloride	50.3		2.00	ug/L	50.0		101	70-130	
Chlorobenzene	45.9		10.0	ug/L	50.0		91.8	65-135	
Chlorodibromomethane	42.9		10.0	ug/L	50.0		85.9	70-135	
Chloroethane (Ethyl chloride)	44.7	U	50.0	ug/L	50.0		89.3	40-160	
Chloroform	49.6		10.0	ug/L	50.0		99.3	70-135	
cis-1,3-Dichloropropene	44.3		10.0	ug/L	50.0		88.7	25-175	
Ethylbenzene	47.5		10.0	ug/L	50.0		95.0	60-140	
Methyl bromide (Bromomethane)	44.5	U	50.0	ug/L	50.0		89.0	15-185	
Methyl chloride (Chloromethane)	44.9	U	50.0	ug/L	50.0		89.7	0-205	
Methylene chloride (Dichloromethane)	44.6		20.0	ug/L	50.0		89.2	60-140	
Tetrachloroethylene (Perchloroethylene)	46.6		10.0	ug/L	50.0		93.2	70-130	
Toluene	46.8		10.0	ug/L	50.0		93.6	70-130	
Total Trihalomethanes (TTHMs)	179		10.0	ug/L	200		89.4	70-130	
trans-1,2-Dichloroethylene	48.5		10.0	ug/L	50.0		97.0	70-130	
trans-1,3-Dichloropropylene	42.6		10.0	ug/L	50.0		85.1	50-150	
Trichloroethene (Trichloroethylene)	48.8		10.0	ug/L	50.0		97.6	65-135	
Vinyl chloride (Chloroethene)	46.7		10.0	ug/L	50.0		93.4	5-195	
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Surrogate: 4-Bromofluorobenzene-surr			49.8	ug/L	50.0		99.7	70-130	
Surrogate: 1,2-Dichloroethane-d4-surr			49.1	ug/L	50.0		98.2	70-130	
Surrogate: Dibromofluoromethane-surr			48.7	ug/L	50.0		97.4	70-130	
Surrogate: Toluene-d8-surr			50.4	ug/L	50.0		101	70-130	

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Reported:
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Quality Control
(Continued)

Volatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHG0199 - EPA 624 (Continued)										
LCS Dup (BHG0199-BSD1)					Prepared & Analyzed: 7/2/2024					
1,1,1-Trichloroethane	50.0		10.0	ug/L	50.0		100	70-130	1.39	36
1,1,2,2-Tetrachloroethane	42.7		10.0	ug/L	50.0		85.4	60-140	5.74	61
1,1,2-Trichloroethane	43.6		10.0	ug/L	50.0		87.1	70-130	4.71	45
1,1-Dichloroethane	47.7		10.0	ug/L	50.0		95.3	70-130	0.974	40
1,1-Dichloroethylene	51.5		10.0	ug/L	50.0		103	50-150	1.61	32
1,2-Dibromoethane (EDB, Ethylene dibromide)	43.1		10.0	ug/L	50.0		86.2	70-130	3.10	30
1,2-Dichlorobenzene (o-Dichlorobenzene)	46.7		10.0	ug/L	50.0		93.5	65-135	6.27	57
1,2-Dichloroethane (Ethylene dichloride)	44.7		10.0	ug/L	50.0		89.3	70-130	3.69	49
1,2-Dichloropropane	46.0		10.0	ug/L	50.0		92.0	35-165	2.49	55
1,3-Dichlorobenzene (m-Dichlorobenzene)	47.4		10.0	ug/L	50.0		94.7	70-130	4.69	43
1,4-Dichlorobenzene (p-Dichlorobenzene)	46.5		10.0	ug/L	50.0		92.9	65-135	3.77	57
2-Butanone (Methyl ethyl ketone, MEK)	428		50.0	ug/L	500		85.6	70-130	8.45	30
2-Chloroethyl vinyl ether	41.7		10.0	ug/L	50.0		83.4	0-225	6.34	71
Acrolein (Propenal)	234		50.0	ug/L	250		93.6	60-140	10.2	60
Acrylonitrile	47.0	U	50.0	ug/L	50.0		94.0	60-140	8.97	60
Benzene	48.2		10.0	ug/L	50.0		96.5	65-135	1.99	61
Bromodichloromethane	46.5		10.0	ug/L	50.0		93.1	65-135	2.72	56
Bromoform	42.7		10.0	ug/L	50.0		85.5	70-130	4.34	42
Carbon tetrachloride	50.8		2.00	ug/L	50.0		102	70-130	0.949	41
Chlorobenzene	46.4		10.0	ug/L	50.0		92.7	65-135	1.07	53
Chlorodibromomethane	44.8		10.0	ug/L	50.0		89.6	70-135	4.17	50
Chloroethane (Ethyl chloride)	45.4	U	50.0	ug/L	50.0		90.9	40-160	1.72	78
Chloroform	50.4		10.0	ug/L	50.0		101	70-135	1.45	54
cis-1,3-Dichloropropene	45.3		10.0	ug/L	50.0		90.6	25-175	2.11	58
Ethylbenzene	48.0		10.0	ug/L	50.0		95.9	60-140	0.935	63
Methyl bromide (Bromomethane)	43.9	U	50.0	ug/L	50.0		87.7	15-185	1.41	61
Methyl chloride (Chloromethane)	44.5	U	50.0	ug/L	50.0		89.1	0-205	0.746	60
Methylene chloride (Dichloromethane)	45.6		20.0	ug/L	50.0		91.2	60-140	2.22	28
Tetrachloroethylene (Perchloroethylene)	47.1		10.0	ug/L	50.0		94.1	70-130	0.987	39
Toluene	47.7		10.0	ug/L	50.0		95.4	70-130	1.81	41
Total Trihalomethanes (TTHMs)	184		10.0	ug/L	200		92.2	70-130	3.09	30
trans-1,2-Dichloroethylene	49.2		10.0	ug/L	50.0		98.4	70-130	1.43	45
trans-1,3-Dichloropropylene	44.3		10.0	ug/L	50.0		88.7	50-150	4.09	86
Trichloroethene (Trichloroethylene)	48.8		10.0	ug/L	50.0		97.5	65-135	0.0495	48
Vinyl chloride (Chloroethene)	46.6		10.0	ug/L	50.0		93.1	5-195	0.279	66
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Surrogate: 4-Bromofluorobenzene-surr			50.8	ug/L	50.0		102	70-130		
Surrogate: 1,2-Dichloroethane-d4-surr			50.0	ug/L	50.0		100	70-130		
Surrogate: Dibromofluoromethane-surr			49.2	ug/L	50.0		98.5	70-130		
Surrogate: Toluene-d8-surr			50.4	ug/L	50.0		101	70-130		

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Reported:
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Quality Control
(Continued)

Volatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHG0199 - EPA 624 (Continued)										
Matrix Spike (BHG0199-MS1)			Source: 24G1523-01			Prepared & Analyzed: 7/2/2024				
1,1,1-Trichloroethane	31.9		10.0	ug/L	50.0	<10.0	63.8	52-162		
1,1,2,2-Tetrachloroethane	25.5		10.0	ug/L	50.0	<10.0	51.1	46-157		
1,1,2-Trichloroethane	25.9	J1	10.0	ug/L	50.0	<10.0	51.8	52-150		
1,1-Dichloroethane	30.7		10.0	ug/L	50.0	<10.0	61.3	59-155		
1,1-Dichloroethylene	32.9		10.0	ug/L	50.0	<10.0	65.9	0-234		
1,2-Dibromoethane (EDB, Ethylene dibromide)	25.2	J1	10.0	ug/L	50.0	<10.0	50.4	70-130		
1,2-Dichlorobenzene (o-Dichlorobenzene)	26.0		10.0	ug/L	50.0	<10.0	52.1	18-190		
1,2-Dichloroethane (Ethylene dichloride)	27.1		10.0	ug/L	50.0	<10.0	54.3	49-155		
1,2-Dichloropropane	28.9		10.0	ug/L	50.0	<10.0	57.8	0-210		
1,3-Dichlorobenzene (m-Dichlorobenzene)	26.2	J1	10.0	ug/L	50.0	<10.0	52.4	59-156		
1,4-Dichlorobenzene (p-Dichlorobenzene)	26.0		10.0	ug/L	50.0	<10.0	51.9	18-190		
2-Butanone (Methyl ethyl ketone, MEK)	253	J1	50.0	ug/L	500	<50.0	50.5	70-130		
2-Chloroethyl vinyl ether	17.3		10.0	ug/L	50.0	<10.0	34.6	0-305		
Acrolein (Propenal)	69.1	J1	50.0	ug/L	250	<50.0	27.7	40-160		
Acrylonitrile	25.7	U	50.0	ug/L	50.0	<50.0	51.5	40-160		
Benzene	30.5		10.0	ug/L	50.0	<10.0	61.1	37-151		
Bromodichloromethane	24.9		10.0	ug/L	50.0	<10.0	49.9	35-155		
Bromoform	25.1		10.0	ug/L	50.0	<10.0	50.3	45-169		
Carbon tetrachloride	32.0	J1	2.00	ug/L	50.0	<2.00	63.9	70-140		
Chlorobenzene	28.4		10.0	ug/L	50.0	<10.0	56.8	37-160		
Chlorodibromomethane	24.7	J1	10.0	ug/L	50.0	<10.0	49.5	53-149		
Chloroethane (Ethyl chloride)	19.2	U	50.0	ug/L	50.0	<50.0	38.5	14-230		
Chloroform	<10.0	J1, U	10.0	ug/L	50.0	<10.0		51-138		
cis-1,3-Dichloropropene	27.6		10.0	ug/L	50.0	<10.0	55.2	0-227		
Ethylbenzene	29.2		10.0	ug/L	50.0	<10.0	58.4	37-162		
Methyl bromide (Bromomethane)	21.5	U	50.0	ug/L	50.0	<50.0	43.0	0-242		
Methyl chloride (Chloromethane)	19.4	U	50.0	ug/L	50.0	<50.0	38.9	0-273		
Methylene chloride (Dichloromethane)	28.7		20.0	ug/L	50.0	<20.0	57.4	0-221		
Tetrachloroethylene (Perchloroethylene)	27.0	J1	10.0	ug/L	50.0	<10.0	54.1	64-148		
Toluene	29.6		10.0	ug/L	50.0	<10.0	59.2	47-150		
Total Trihalomethanes (TTHMs)	74.8	J1	10.0	ug/L	200	<10.0	37.4	70-130		
trans-1,2-Dichloroethylene	31.6		10.0	ug/L	50.0	<10.0	63.3	54-156		
trans-1,3-Dichloropropylene	26.4		10.0	ug/L	50.0	<10.0	52.9	17-183		
Trichloroethene (Trichloroethylene)	29.6	J1	10.0	ug/L	50.0	<10.0	59.2	70-157		
Vinyl chloride (Chloroethene)	19.7		10.0	ug/L	50.0	<10.0	39.4	0-251		
Surrogate: 4-Bromofluorobenzene-surr			48.9	ug/L	50.0		97.7	70-130		
Surrogate: 1,2-Dichloroethane-d4-surr			52.5	ug/L	50.0		105	70-130		
Surrogate: Dibromofluoromethane-surr			50.5	ug/L	50.0		101	70-130		
Surrogate: Toluene-d8-surr			50.4	ug/L	50.0		101	70-130		

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Quality Control (Continued)

Volatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHG0199 - EPA 624 (Continued)										
Matrix Spike Dup (BHG0199-MSD1)			Source: 24G1523-01			Prepared & Analyzed: 7/2/2024				
1,1,1-Trichloroethane	24.9	J1	10.0	ug/L	50.0	<10.0	49.7	52-162	24.8	36
1,1,2,2-Tetrachloroethane	18.9	J1	10.0	ug/L	50.0	<10.0	37.7	46-157	30.1	61
1,1,2-Trichloroethane	19.7	J1	10.0	ug/L	50.0	<10.0	39.4	52-150	27.0	45
1,1-Dichloroethane	23.7	J1	10.0	ug/L	50.0	<10.0	47.5	59-155	25.4	40
1,1-Dichloroethylene	26.3		10.0	ug/L	50.0	<10.0	52.5	0-234	22.6	32
1,2-Dibromoethane (EDB, Ethylene dibromide)	19.5	J1	10.0	ug/L	50.0	<10.0	39.0	70-130	25.6	30
1,2-Dichlorobenzene (o-Dichlorobenzene)	20.8		10.0	ug/L	50.0	<10.0	41.7	18-190	22.2	57
1,2-Dichloroethane (Ethylene dichloride)	20.9	J1	10.0	ug/L	50.0	<10.0	41.8	49-155	26.0	49
1,2-Dichloropropane	21.8		10.0	ug/L	50.0	<10.0	43.5	0-210	28.2	55
1,3-Dichlorobenzene (m-Dichlorobenzene)	21.4	J1	10.0	ug/L	50.0	<10.0	42.9	59-156	20.0	43
1,4-Dichlorobenzene (p-Dichlorobenzene)	21.1		10.0	ug/L	50.0	<10.0	42.2	18-190	20.6	57
2-Butanone (Methyl ethyl ketone, MEK)	190	J1	50.0	ug/L	500	<50.0	38.0	70-130	28.4	30
2-Chloroethyl vinyl ether	22.4		10.0	ug/L	50.0	<10.0	44.8	0-305	25.7	71
Acrolein (Propenal)	85.5	J1	50.0	ug/L	250	<50.0	34.2	40-160	21.1	60
Acrylonitrile	19.5	J1, U	50.0	ug/L	50.0	<50.0	39.1	40-160	27.3	60
Benzene	23.6		10.0	ug/L	50.0	<10.0	47.2	37-151	25.6	61
Bromodichloromethane	18.2		10.0	ug/L	50.0	<10.0	36.3	35-155	31.4	56
Bromoform	18.7	J1	10.0	ug/L	50.0	<10.0	37.5	45-169	29.2	42
Carbon tetrachloride	25.2	J1	2.00	ug/L	50.0	<2.00	50.4	70-140	23.7	41
Chlorobenzene	22.1		10.0	ug/L	50.0	<10.0	44.3	37-160	24.9	53
Chlorodibromomethane	17.8	J1	10.0	ug/L	50.0	<10.0	35.7	53-149	32.5	50
Chloroethane (Ethyl chloride)	26.1	U	50.0	ug/L	50.0	<50.0	52.2	14-230	30.3	78
Chloroform	<10.0	J1, U	10.0	ug/L	50.0	<10.0		51-138		54
cis-1,3-Dichloropropene	21.1		10.0	ug/L	50.0	<10.0	42.1	0-227	26.9	58
Ethylbenzene	23.1		10.0	ug/L	50.0	<10.0	46.1	37-162	23.5	63
Methyl bromide (Bromomethane)	24.2	U	50.0	ug/L	50.0	<50.0	48.4	0-242	11.9	61
Methyl chloride (Chloromethane)	25.0	U	50.0	ug/L	50.0	<50.0	50.1	0-273	25.2	60
Methylene chloride (Dichloromethane)	22.1		20.0	ug/L	50.0	<20.0	44.2	0-221	26.1	28
Tetrachloroethylene (Perchloroethylene)	22.7	J1	10.0	ug/L	50.0	<10.0	45.5	64-148	17.3	39
Toluene	23.2	J1	10.0	ug/L	50.0	<10.0	46.3	47-150	24.4	41
Total Trihalomethanes (TTHMs)	54.7	J1	10.0	ug/L	200	<10.0	27.4	70-130	31.0	30
trans-1,2-Dichloroethylene	24.8	J1	10.0	ug/L	50.0	<10.0	49.6	54-156	24.2	45
trans-1,3-Dichloropropylene	20.0		10.0	ug/L	50.0	<10.0	40.1	17-183	27.6	86
Trichloroethene (Trichloroethylene)	23.8	J1	10.0	ug/L	50.0	<10.0	47.5	70-157	21.8	48
Vinyl chloride (Chloroethene)	26.2		10.0	ug/L	50.0	<10.0	52.4	0-251	28.2	66
<i>Surrogate: 4-Bromofluorobenzene-surr</i>			49.9	ug/L	50.0		99.7	70-130		
<i>Surrogate: 1,2-Dichloroethane-d4-surr</i>			51.1	ug/L	50.0		102	70-130		
<i>Surrogate: Dibromofluoromethane-surr</i>			51.2	ug/L	50.0		102	70-130		
<i>Surrogate: Toluene-d8-surr</i>			50.7	ug/L	50.0		101	70-130		

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Quality Control
(Continued)

Volatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHG0412 - EPA 624										
Blank (BHG0412-BLK1)					Prepared & Analyzed: 7/3/2024					
1,1,1-Trichloroethane	<10.0	U	10.0	ug/L						
1,1,2,2-Tetrachloroethane	<10.0	CQ, U	10.0	ug/L						
1,1,2-Trichloroethane	<10.0	U	10.0	ug/L						
1,1-Dichloroethane	<10.0	U	10.0	ug/L						
1,1-Dichloroethylene	<10.0	U	10.0	ug/L						
1,2-Dibromoethane (EDB, Ethylene dibromide)	<10.0	U	10.0	ug/L						
1,2-Dichlorobenzene (o-Dichlorobenzene)	<10.0	U	10.0	ug/L						
1,2-Dichloroethane (Ethylene dichloride)	<10.0	U	10.0	ug/L						
1,2-Dichloropropane	<10.0	U	10.0	ug/L						
1,3-Dichlorobenzene (m-Dichlorobenzene)	<10.0	U	10.0	ug/L						
1,4-Dichlorobenzene (p-Dichlorobenzene)	<10.0	U	10.0	ug/L						
2-Butanone (Methyl ethyl ketone, MEK)	<50.0	U	50.0	ug/L						
2-Chloroethyl vinyl ether	<10.0	U	10.0	ug/L						
Acrolein (Propenal)	<17.0	U	17.0	ug/L						
Acrylonitrile	<50.0	U	50.0	ug/L						
Benzene	<10.0	U	10.0	ug/L						
Bromodichloromethane	<10.0	U	10.0	ug/L						
Bromoform	<10.0	U	10.0	ug/L						
Carbon tetrachloride	<2.00	U	2.00	ug/L						
Chlorobenzene	<10.0	U	10.0	ug/L						
Chlorodibromomethane	<10.0	U	10.0	ug/L						
Chloroethane (Ethyl chloride)	<50.0	U	50.0	ug/L						
Chloroform	<10.0	CQ, U	10.0	ug/L						
cis-1,3-Dichloropropene	<10.0	U	10.0	ug/L						
Ethylbenzene	<10.0	U	10.0	ug/L						
Methyl bromide (Bromomethane)	<50.0	U	50.0	ug/L						
Methyl chloride (Chloromethane)	<50.0	U	50.0	ug/L						
Methylene chloride (Dichloromethane)	<20.0	U	20.0	ug/L						
Tetrachloroethylene (Perchloroethylene)	<10.0	U	10.0	ug/L						
Toluene	<10.0	U	10.0	ug/L						
Total Trihalomethanes (TTHMs)	<10.0	U	10.0	ug/L						
trans-1,2-Dichloroethylene	<10.0	U	10.0	ug/L						
trans-1,3-Dichloropropylene	<10.0	U	10.0	ug/L						
Trichloroethene (Trichloroethylene)	<10.0	U	10.0	ug/L						
Vinyl chloride (Chloroethene)	<10.0	U	10.0	ug/L						
Surrogate: 4-Bromofluorobenzene-surr			50.9	ug/L	50.0		102	70-130		
Surrogate: 1,2-Dichloroethane-d4-surr			53.2	ug/L	50.0		106	70-130		
Surrogate: Dibromofluoromethane-surr			56.2	ug/L	50.0		112	70-130		
Surrogate: Toluene-d8-surr			48.9	ug/L	50.0		97.9	70-130		

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Reported:
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Quality Control
(Continued)

Volatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHG0412 - EPA 624 (Continued)										
LCS (BHG0412-BS1)					Prepared & Analyzed: 7/3/2024					
1,1,1-Trichloroethane	44.1		10.0	ug/L	50.0		88.3	70-130		
1,1,2,2-Tetrachloroethane	46.8		10.0	ug/L	50.0		93.6	60-140		
1,1,2-Trichloroethane	40.4		10.0	ug/L	50.0		80.7	70-130		
1,1-Dichloroethane	43.5		10.0	ug/L	50.0		87.0	70-130		
1,1-Dichloroethylene	45.1		10.0	ug/L	50.0		90.1	50-150		
1,2-Dibromoethane (EDB, Ethylene dibromide)	39.4		10.0	ug/L	50.0		78.8	70-130		
1,2-Dichlorobenzene (o-Dichlorobenzene)	42.9		10.0	ug/L	50.0		85.7	65-135		
1,2-Dichloroethane (Ethylene dichloride)	41.1		10.0	ug/L	50.0		82.2	70-130		
1,2-Dichloropropane	42.2		10.0	ug/L	50.0		84.4	35-165		
1,3-Dichlorobenzene (m-Dichlorobenzene)	43.5		10.0	ug/L	50.0		87.0	70-130		
1,4-Dichlorobenzene (p-Dichlorobenzene)	43.3		10.0	ug/L	50.0		86.5	65-135		
2-Butanone (Methyl ethyl ketone, MEK)	361		50.0	ug/L	500		72.2	70-130		
2-Chloroethyl vinyl ether	38.5		10.0	ug/L	50.0		77.0	0-225		
Acrolein (Propenal)	205		50.0	ug/L	250		82.2	60-140		
Acrylonitrile	40.4	U	50.0	ug/L	50.0		80.8	60-140		
Benzene	43.2		10.0	ug/L	50.0		86.3	65-135		
Bromodichloromethane	37.3		10.0	ug/L	50.0		74.5	65-135		
Bromoform	38.9		10.0	ug/L	50.0		77.8	70-130		
Carbon tetrachloride	44.5		2.00	ug/L	50.0		89.1	70-130		
Chlorobenzene	43.2		10.0	ug/L	50.0		86.4	65-135		
Chlorodibromomethane	37.2		10.0	ug/L	50.0		74.3	70-135		
Chloroethane (Ethyl chloride)	43.1	U	50.0	ug/L	50.0		86.2	40-160		
Chloroform	32.2		10.0	ug/L	50.0		64.5	70-135		
cis-1,3-Dichloropropene	42.0		10.0	ug/L	50.0		84.1	25-175		
Ethylbenzene	44.0		10.0	ug/L	50.0		88.1	60-140		
Methyl bromide (Bromomethane)	41.4	U	50.0	ug/L	50.0		82.9	15-185		
Methyl chloride (Chloromethane)	42.8	U	50.0	ug/L	50.0		85.6	0-205		
Methylene chloride (Dichloromethane)	42.7		20.0	ug/L	50.0		85.5	60-140		
Tetrachloroethylene (Perchloroethylene)	43.8		10.0	ug/L	50.0		87.6	70-130		
Toluene	42.6		10.0	ug/L	50.0		85.2	70-130		
Total Trihalomethanes (TTHMs)	146		10.0	ug/L	200		72.8	70-130		
trans-1,2-Dichloroethylene	44.2		10.0	ug/L	50.0		88.4	70-130		
trans-1,3-Dichloropropylene	40.8		10.0	ug/L	50.0		81.7	50-150		
Trichloroethene (Trichloroethylene)	43.3		10.0	ug/L	50.0		86.6	65-135		
Vinyl chloride (Chloroethene)	44.6		10.0	ug/L	50.0		89.3	5-195		
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Surrogate: 4-Bromofluorobenzene-surr			49.3	ug/L	50.0		98.7	70-130		
Surrogate: 1,2-Dichloroethane-d4-surr			49.4	ug/L	50.0		98.9	70-130		
Surrogate: Dibromofluoromethane-surr			48.2	ug/L	50.0		96.4	70-130		
Surrogate: Toluene-d8-surr			50.7	ug/L	50.0		101	70-130		

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Reported:
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Quality Control
(Continued)

Volatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHG0412 - EPA 624 (Continued)										
LCS Dup (BHG0412-BSD1)					Prepared & Analyzed: 7/3/2024					
1,1,1-Trichloroethane	46.4		10.0	ug/L	50.0		92.8	70-130	5.00	36
1,1,2,2-Tetrachloroethane	49.8	CQ	10.0	ug/L	50.0		99.7	60-140	6.25	61
1,1,2-Trichloroethane	41.9		10.0	ug/L	50.0		83.9	70-130	3.79	45
1,1-Dichloroethane	45.4		10.0	ug/L	50.0		90.8	70-130	4.18	40
1,1-Dichloroethylene	47.9		10.0	ug/L	50.0		95.7	50-150	6.03	32
1,2-Dibromoethane (EDB, Ethylene dibromide)	41.6		10.0	ug/L	50.0		83.2	70-130	5.42	30
1,2-Dichlorobenzene (o-Dichlorobenzene)	42.7		10.0	ug/L	50.0		85.5	65-135	0.320	57
1,2-Dichloroethane (Ethylene dichloride)	42.7		10.0	ug/L	50.0		85.4	70-130	3.82	49
1,2-Dichloropropane	44.4		10.0	ug/L	50.0		88.8	35-165	5.06	55
1,3-Dichlorobenzene (m-Dichlorobenzene)	43.1		10.0	ug/L	50.0		86.2	70-130	0.960	43
1,4-Dichlorobenzene (p-Dichlorobenzene)	43.1		10.0	ug/L	50.0		86.2	65-135	0.346	57
2-Butanone (Methyl ethyl ketone, MEK)	390		50.0	ug/L	500		78.0	70-130	7.73	30
2-Chloroethyl vinyl ether	39.8		10.0	ug/L	50.0		79.5	0-225	3.20	71
Acrolein (Propenal)	207		50.0	ug/L	250		82.9	60-140	0.895	60
Acrylonitrile	43.6	U	50.0	ug/L	50.0		87.2	60-140	7.55	60
Benzene	45.2		10.0	ug/L	50.0		90.4	65-135	4.63	61
Bromodichloromethane	38.9		10.0	ug/L	50.0		77.9	65-135	4.43	56
Bromoform	39.5		10.0	ug/L	50.0		78.9	70-130	1.51	42
Carbon tetrachloride	46.9		2.00	ug/L	50.0		93.8	70-130	5.14	41
Chlorobenzene	43.7		10.0	ug/L	50.0		87.4	65-135	1.14	53
Chlorodibromomethane	39.5		10.0	ug/L	50.0		78.9	70-135	6.00	50
Chloroethane (Ethyl chloride)	46.3	U	50.0	ug/L	50.0		92.7	40-160	7.29	78
Chloroform	35.3	CQ	10.0	ug/L	50.0		70.5	70-135	8.99	54
cis-1,3-Dichloropropene	43.9		10.0	ug/L	50.0		87.8	25-175	4.35	58
Ethylbenzene	44.9		10.0	ug/L	50.0		89.7	60-140	1.86	63
Methyl bromide (Bromomethane)	42.6	U	50.0	ug/L	50.0		85.3	15-185	2.81	61
Methyl chloride (Chloromethane)	46.0	U	50.0	ug/L	50.0		92.0	0-205	7.16	60
Methylene chloride (Dichloromethane)	44.4		20.0	ug/L	50.0		88.8	60-140	3.82	28
Tetrachloroethylene (Perchloroethylene)	45.8		10.0	ug/L	50.0		91.7	70-130	4.48	39
Toluene	44.3		10.0	ug/L	50.0		88.5	70-130	3.87	41
Total Trihalomethanes (TTHMs)	153		10.0	ug/L	200		76.6	70-130	5.10	30
trans-1,2-Dichloroethylene	46.3		10.0	ug/L	50.0		92.7	70-130	4.65	45
trans-1,3-Dichloropropylene	42.5		10.0	ug/L	50.0		85.0	50-150	3.95	86
Trichloroethene (Trichloroethylene)	45.4		10.0	ug/L	50.0		90.8	65-135	4.76	48
Vinyl chloride (Chloroethene)	47.4		10.0	ug/L	50.0		94.8	5-195	6.03	66
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Surrogate: 4-Bromofluorobenzene-surr			49.7	ug/L	50.0		99.4	70-130		
Surrogate: 1,2-Dichloroethane-d4-surr			49.4	ug/L	50.0		98.8	70-130		
Surrogate: Dibromofluoromethane-surr			48.1	ug/L	50.0		96.1	70-130		
Surrogate: Toluene-d8-surr			50.0	ug/L	50.0		100	70-130		

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Quality Control
(Continued)

Volatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHG0412 - EPA 624 (Continued)										
Matrix Spike (BHG0412-MS1)			Source: 24F2344-02			Prepared & Analyzed: 7/3/2024				
1,1,1-Trichloroethane	51.0		10.0	ug/L	50.0	<10.0	102	52-162		
1,1,2,2-Tetrachloroethane	49.5		10.0	ug/L	50.0	<10.0	99.1	46-157		
1,1,2-Trichloroethane	44.0		10.0	ug/L	50.0	<10.0	88.0	52-150		
1,1-Dichloroethane	49.2		10.0	ug/L	50.0	<10.0	98.3	59-155		
1,1-Dichloroethylene	52.4		10.0	ug/L	50.0	<10.0	105	0-234		
1,2-Dibromoethane (EDB, Ethylene dibromide)	44.0		10.0	ug/L	50.0	<10.0	88.0	70-130		
1,2-Dichlorobenzene (o-Dichlorobenzene)	46.9		10.0	ug/L	50.0	<10.0	93.8	18-190		
1,2-Dichloroethane (Ethylene dichloride)	45.9		10.0	ug/L	50.0	<10.0	91.8	49-155		
1,2-Dichloropropane	47.6		10.0	ug/L	50.0	<10.0	95.3	0-210		
1,3-Dichlorobenzene (m-Dichlorobenzene)	47.0		10.0	ug/L	50.0	<10.0	94.1	59-156		
1,4-Dichlorobenzene (p-Dichlorobenzene)	47.7		10.0	ug/L	50.0	<10.0	95.4	18-190		
2-Butanone (Methyl ethyl ketone, MEK)	391		50.0	ug/L	500	<50.0	78.1	70-130		
2-Chloroethyl vinyl ether	<10.0	U	10.0	ug/L	50.0	<10.0		0-305		
Acrolein (Propenal)	215		50.0	ug/L	250	<50.0	85.9	40-160		
Acrylonitrile	47.7	U	50.0	ug/L	50.0	<50.0	95.4	40-160		
Benzene	49.4		10.0	ug/L	50.0	<10.0	98.7	37-151		
Bromodichloromethane	33.0		10.0	ug/L	50.0	<10.0	65.9	35-155		
Bromoform	40.9		10.0	ug/L	50.0	<10.0	81.7	45-169		
Carbon tetrachloride	51.8		2.00	ug/L	50.0	<2.00	104	70-140		
Chlorobenzene	48.1		10.0	ug/L	50.0	<10.0	96.3	37-160		
Chlorodibromomethane	35.0		10.0	ug/L	50.0	<10.0	70.0	53-149		
Chloroethane (Ethyl chloride)	47.1	U	50.0	ug/L	50.0	<50.0	94.2	14-230		
Chloroform	12.1		10.0	ug/L	50.0	<10.0	24.2	51-138		
cis-1,3-Dichloropropene	47.1		10.0	ug/L	50.0	<10.0	94.1	0-227		
Ethylbenzene	49.0		10.0	ug/L	50.0	<10.0	98.0	37-162		
Methyl bromide (Bromomethane)	44.4	U	50.0	ug/L	50.0	<50.0	88.9	0-242		
Methyl chloride (Chloromethane)	47.1	U	50.0	ug/L	50.0	1.81	90.6	0-273		
Methylene chloride (Dichloromethane)	48.2		20.0	ug/L	50.0	<20.0	96.4	0-221		
Tetrachloroethylene (Perchloroethylene)	49.3		10.0	ug/L	50.0	<10.0	98.6	64-148		
Toluene	48.6		10.0	ug/L	50.0	<10.0	97.3	47-150		
Total Trihalomethanes (TTHMs)	121	J1	10.0	ug/L	200	<10.0	60.5	70-130		
trans-1,2-Dichloroethylene	50.6		10.0	ug/L	50.0	<10.0	101	54-156		
trans-1,3-Dichloropropylene	45.6		10.0	ug/L	50.0	<10.0	91.2	17-183		
Trichloroethene (Trichloroethylene)	49.1		10.0	ug/L	50.0	<10.0	98.3	70-157		
Vinyl chloride (Chloroethene)	49.1		10.0	ug/L	50.0	<10.0	98.1	0-251		
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Surrogate: 4-Bromofluorobenzene-surr			50.6	ug/L	50.0		101	70-130		
Surrogate: 1,2-Dichloroethane-d4-surr			49.5	ug/L	50.0		98.9	70-130		
Surrogate: Dibromofluoromethane-surr			48.5	ug/L	50.0		96.9	70-130		
Surrogate: Toluene-d8-surr			50.8	ug/L	50.0		102	70-130		

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Quality Control
(Continued)

Volatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHG0412 - EPA 624 (Continued)										
Matrix Spike Dup (BHG0412-MSD1)			Source: 24F2344-02			Prepared & Analyzed: 7/3/2024				
1,1,1-Trichloroethane	51.0		10.0	ug/L	50.0	<10.0	102	52-162	0.0405	36
1,1,2,2-Tetrachloroethane	49.9	CQ	10.0	ug/L	50.0	<10.0	99.8	46-157	0.724	61
1,1,2-Trichloroethane	43.5		10.0	ug/L	50.0	<10.0	86.9	52-150	1.21	45
1,1-Dichloroethane	49.9		10.0	ug/L	50.0	<10.0	99.8	59-155	1.53	40
1,1-Dichloroethylene	53.1		10.0	ug/L	50.0	<10.0	106	0-234	1.35	32
1,2-Dibromoethane (EDB, Ethylene dibromide)	45.4		10.0	ug/L	50.0	<10.0	90.9	70-130	3.26	30
1,2-Dichlorobenzene (o-Dichlorobenzene)	46.8		10.0	ug/L	50.0	<10.0	93.5	18-190	0.316	57
1,2-Dichloroethane (Ethylene dichloride)	47.5		10.0	ug/L	50.0	<10.0	95.0	49-155	3.36	49
1,2-Dichloropropane	48.9		10.0	ug/L	50.0	<10.0	97.8	0-210	2.58	55
1,3-Dichlorobenzene (m-Dichlorobenzene)	47.6		10.0	ug/L	50.0	<10.0	95.1	59-156	1.14	43
1,4-Dichlorobenzene (p-Dichlorobenzene)	47.2		10.0	ug/L	50.0	<10.0	94.4	18-190	1.04	57
2-Butanone (Methyl ethyl ketone, MEK)	444		50.0	ug/L	500	<50.0	88.8	70-130	12.8	30
2-Chloroethyl vinyl ether	<10.0	U	10.0	ug/L	50.0	<10.0		0-305		71
Acrolein (Propenal)	249		50.0	ug/L	250	<50.0	99.4	40-160	14.7	60
Acrylonitrile	50.7		50.0	ug/L	50.0	<50.0	101	40-160	6.11	60
Benzene	49.8		10.0	ug/L	50.0	<10.0	99.7	37-151	0.964	61
Bromodichloromethane	33.4		10.0	ug/L	50.0	<10.0	66.8	35-155	1.25	56
Bromoform	42.9		10.0	ug/L	50.0	<10.0	85.9	45-169	4.94	42
Carbon tetrachloride	53.0		2.00	ug/L	50.0	<2.00	106	70-140	2.14	41
Chlorobenzene	48.5		10.0	ug/L	50.0	<10.0	97.0	37-160	0.701	53
Chlorodibromomethane	37.1		10.0	ug/L	50.0	<10.0	74.3	53-149	5.93	50
Chloroethane (Ethyl chloride)	49.8	U	50.0	ug/L	50.0	<50.0	99.5	14-230	5.49	78
Chloroform	12.6	CQ	10.0	ug/L	50.0	<10.0	25.3	51-138	4.16	54
cis-1,3-Dichloropropene	47.4		10.0	ug/L	50.0	<10.0	94.7	0-227	0.590	58
Ethylbenzene	49.7		10.0	ug/L	50.0	<10.0	99.5	37-162	1.47	63
Methyl bromide (Bromomethane)	45.5	U	50.0	ug/L	50.0	<50.0	91.0	0-242	2.37	61
Methyl chloride (Chloromethane)	49.6	U	50.0	ug/L	50.0	1.81	95.6	0-273	5.17	60
Methylene chloride (Dichloromethane)	48.4		20.0	ug/L	50.0	<20.0	96.8	0-221	0.374	28
Tetrachloroethylene (Perchloroethylene)	49.3		10.0	ug/L	50.0	<10.0	98.7	64-148	0.0712	39
Toluene	49.0		10.0	ug/L	50.0	<10.0	98.0	47-150	0.742	41
Total Trihalomethanes (TTHMs)	126	J1	10.0	ug/L	200	<10.0	63.0	70-130	4.16	30
trans-1,2-Dichloroethylene	51.7		10.0	ug/L	50.0	<10.0	103	54-156	2.06	45
trans-1,3-Dichloropropylene	46.2		10.0	ug/L	50.0	<10.0	92.5	17-183	1.36	86
Trichloroethene (Trichloroethylene)	49.9		10.0	ug/L	50.0	<10.0	99.9	70-157	1.61	48
Vinyl chloride (Chloroethene)	51.9		10.0	ug/L	50.0	<10.0	104	0-251	5.58	66
Surrogate: 4-Bromofluorobenzene-surr			50.2	ug/L	50.0		100	70-130		
Surrogate: 1,2-Dichloroethane-d4-surr			50.5	ug/L	50.0		101	70-130		
Surrogate: Dibromofluoromethane-surr			48.0	ug/L	50.0		96.1	70-130		
Surrogate: Toluene-d8-surr			50.4	ug/L	50.0		101	70-130		

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Quality Control
(Continued)

Semivolatile Organic Compounds by GCMS

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHG0319 - SW-3511										
MB NP (BHG0319-BLK1)					Prepared: 7/3/2024 Analyzed: 7/4/2024					
Nonylphenol	<333	U	333	ug/L						
BS NP (BHG0319-BS1)										
					Prepared: 7/3/2024 Analyzed: 7/4/2024					
Nonylphenol	44.4	U	333	ug/L	39.7		112	56-112		
Surrogate: n-NP-surr			8.22	ug/L	7.94		103	60-140		
BSD NP (BHG0319-BS1)										
					Prepared: 7/3/2024 Analyzed: 7/4/2024					
Nonylphenol	44.0	U	333	ug/L	39.8		110	56-112	1.03	22
Surrogate: n-NP-surr			7.78	ug/L	7.97		97.7	60-140		
24G1325-01 MS (BHG0319-MS1)										
			Source: 24G1325-01		Prepared: 7/3/2024 Analyzed: 7/4/2024					
Nonylphenol	<333	J1, U	333	ug/L	39.5	<333		56-112		
Surrogate: n-NP-surr		S	0.892	ug/L	7.90		11.3	60-140		
24G1325-01 MSD (BHG0319-MSD1)										
			Source: 24G1325-01		Prepared: 7/3/2024 Analyzed: 7/4/2024					
Nonylphenol	<333	J1, U	333	ug/L	39.7	<333		56-112		22
Surrogate: n-NP-surr		S	1.18	ug/L	7.94		14.8	60-140		

Batch: BHG0976 - EPA 625 LLE

Blank (BHG0976-BLK1)

Prepared: 7/9/2024 Analyzed: 7/11/2024

2-Methylphenol	<1.10	U	1.10	ug/L
1,2,4,5-Tetrachlorobenzene	<0.300	U	0.300	ug/L
1,2,4-Trichlorobenzene	<0.300	U	0.300	ug/L
1,2-Diphenylhydrazine	<0.750	U	0.750	ug/L
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy	<0.400	U	0.400	ug/L
2,4,5-Trichlorophenol	<0.700	U	0.700	ug/L
2,4,6-Trichlorophenol	<1.20	U	1.20	ug/L
2,4-Dichlorophenol	<0.800	U	0.800	ug/L
2,4-Dimethylphenol	<0.900	U	0.900	ug/L
2,4-Dinitrophenol	<8.60	U	8.60	ug/L
2,4-Dinitrotoluene (2,4-DNT)	<0.200	U	0.200	ug/L
2,6-Dinitrotoluene (2,6-DNT)	<1.80	U	1.80	ug/L
2-Chloronaphthalene	<0.400	U	0.400	ug/L
2-Chlorophenol	<0.500	U	0.500	ug/L
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph	<1.60	U	1.60	ug/L
2-Nitrophenol	<0.700	U	0.700	ug/L
3,4-Methylphenol	<1.40	U	1.40	ug/L
4-Bromophenyl phenyl ether (BDE-3)	<0.300	U	0.300	ug/L
4-Chloro-3-methylphenol	<0.700	U	0.700	ug/L
4-Chlorophenyl phenylether	<0.700	U	0.700	ug/L
4-Nitrophenol	<7.20	U	7.20	ug/L
Acenaphthene	<0.300	U	0.300	ug/L
Acenaphthylene	<0.200	U	0.200	ug/L
Anthracene	<0.200	U	0.200	ug/L

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Quality Control
(Continued)

Semivolatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHG0976 - EPA 625 LLE (Continued)										
Blank (BHG0976-BLK1)					Prepared: 7/9/2024 Analyzed: 7/11/2024					
Benzo(a)anthracene	<0.300	U	0.300	ug/L						
Benzo(a)pyrene	<0.500	U	0.500	ug/L						
benzo(b&k)fluoranthene	<0.400	U	0.400	ug/L						
Benzo(g,h,i)perylene	<0.400	U	0.400	ug/L						
bis(2-Chloroethoxy)methane	<0.400	U	0.400	ug/L						
bis(2-Chloroethyl) ether	<0.600	U	0.600	ug/L						
Bis(2-ethylhexyl)phthalate	<1.50	U	1.50	ug/L						
Butyl benzyl phthalate	<0.400	U	0.400	ug/L						
Chrysene	<0.200	U	0.200	ug/L						
Dibenzo(a,h)anthracene	<0.500	U	0.500	ug/L						
Diethyl phthalate	<0.500	U	0.500	ug/L						
Dimethyl phthalate	<0.300	U	0.300	ug/L						
Di-n-butyl phthalate	<1.60	U	1.60	ug/L						
Di-n-octyl phthalate	<0.500	U	0.500	ug/L						
Fluoranthene	<0.300	U	0.300	ug/L						
Fluorene	<0.200	U	0.200	ug/L						
Hexachlorobenzene	<0.200	U	0.200	ug/L						
Hexachlorobutadiene	<0.300	U	0.300	ug/L						
Hexachlorocyclopentadiene	<0.750	U	0.750	ug/L						
Hexachloroethane	<0.200	U	0.200	ug/L						
Hexachlorophene	<1.10	U	1.10	ug/L						
Indeno(1,2,3-cd) pyrene	<0.400	U	0.400	ug/L						
Isophorone	<0.300	U	0.300	ug/L						
Naphthalene	<0.300	U	0.300	ug/L						
Nitrobenzene	<0.400	U	0.400	ug/L						
n-Nitrosodiethylamine	<0.500	U	0.500	ug/L						
n-Nitrosodimethylamine	<3.80	U	3.80	ug/L						
n-Nitroso-di-n-butylamine	<5.70	U	5.70	ug/L						
n-Nitrosodi-n-propylamine	<1.40	U	1.40	ug/L						
n-Nitrosodiphenylamine	<0.200	U	0.200	ug/L						
Pentachlorobenzene	<0.200	U	0.200	ug/L						
Pentachlorophenol	<1.40	U	1.40	ug/L						
Phenanthrene	<0.300	U	0.300	ug/L						
Phenol, Total	<1.50	U	1.50	ug/L						
Pyrene	<0.300	U	0.300	ug/L						
Pyridine	<13.3	U	13.3	ug/L						
Surrogate: 2,4,6-Tribromophenol-surr			2.77	ug/L	4.00		69.4	33.6-139		
Surrogate: 2-Fluorobiphenyl-surr			1.48	ug/L	2.00		74.1	32.2-138		
Surrogate: 2-Fluorophenol-surr			3.17	ug/L	4.00		79.2	32.7-137		
Surrogate: Nitrobenzene-d5-surr			1.47	ug/L	2.00		73.4	31.2-136		
Surrogate: Phenol-d5-surr			3.30	ug/L	4.00		82.5	28.9-155		
Surrogate: p-Terphenyl-d14-surr			1.83	ug/L	2.00		91.4	37.6-117		

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Quality Control
(Continued)

Semivolatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHG0976 - EPA 625 LLE (Continued)										
Blank (BHG0976-BLK2)										
					Prepared: 7/9/2024 Analyzed: 7/12/2024					
Surrogate: 2-Fluorobiphenyl-surr			1.15	ug/L	2.00		57.4	32.2-138		
Surrogate: Nitrobenzene-d5-surr			1.56	ug/L	2.00		77.9	31.2-136		
Surrogate: p-Terphenyl-d14-surr			1.39	ug/L	2.00		69.6	37.6-117		
Blank (BHG0976-BLK3)										
					Prepared: 7/9/2024 Analyzed: 7/13/2024					
3,3'-Dichlorobenzidine	<5.00	U	5.00	ug/L						
Benzidine	<50.0	U	50.0	ug/L						
Surrogate: 2-Fluorobiphenyl-surr			1.05	ug/L	2.00		52.3	32.2-138		
Surrogate: Nitrobenzene-d5-surr			1.06	ug/L	2.00		53.2	31.2-136		
Surrogate: p-Terphenyl-d14-surr			1.25	ug/L	2.00		62.5	37.6-117		
Blank (BHG0976-BLK4)										
					Prepared: 7/9/2024 Analyzed: 7/16/2024					
Surrogate: 2-Fluorobiphenyl-surr			1.32	ug/L	2.00		65.9	32.2-138		
Surrogate: Nitrobenzene-d5-surr			1.37	ug/L	2.00		68.7	31.2-136		
Surrogate: p-Terphenyl-d14-surr			1.61	ug/L	2.00		80.4	37.6-117		
LCS (BHG0976-BS1)										
					Prepared: 7/9/2024 Analyzed: 7/13/2024					
3,3'-Dichlorobenzidine	31.5		4.00	ug/L	50.0		63.0	0-262		
Benzidine	<16.0	U	16.0	ug/L	50.0			0-131		
Surrogate: 2-Fluorobiphenyl-surr			0.962	ug/L	2.00		48.1	32.2-138		
Surrogate: Nitrobenzene-d5-surr			1.03	ug/L	2.00		51.4	31.2-136		
Surrogate: p-Terphenyl-d14-surr			1.21	ug/L	2.00		60.3	37.6-117		
LCS (BHG0976-BS2)										
					Prepared: 7/9/2024 Analyzed: 7/11/2024					
2-Methylphenol	3.19		1.10	ug/L	4.00		79.9	60-140		
1,2,4,5-Tetrachlorobenzene	1.59		0.300	ug/L	2.00		79.5	60-140		
1,2,4-Trichlorobenzene	1.48		0.300	ug/L	2.00		74.1	44-142		
1,2-Diphenylhydrazine	1.90		0.750	ug/L	2.00		95.2	60-140		
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy	1.59		0.400	ug/L	2.00		79.7	60-140		
2,4,5-Trichlorophenol	3.18		0.700	ug/L	4.00		79.5	60-140		
2,4,6-Trichlorophenol	3.56		1.20	ug/L	4.00		89.0	37-144		
2,4-Dichlorophenol	3.28		0.800	ug/L	4.00		82.1	39-135		
2,4-Dimethylphenol	3.73		0.900	ug/L	4.00		93.1	32-120		
2,4-Dinitrophenol	8.25	U	8.60	ug/L	10.0		82.5	0-191		
2,4-Dinitrotoluene (2,4-DNT)	1.78		0.200	ug/L	2.00		88.8	39-139		
2,6-Dinitrotoluene (2,6-DNT)	2.11		1.80	ug/L	2.00		105	50-158		
2-Chloronaphthalene	1.58		0.400	ug/L	2.00		79.0	60-120		
2-Chlorophenol	3.26		0.500	ug/L	4.00		81.6	23-134		
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph	3.38		1.60	ug/L	4.00		84.6	0-181		
2-Nitrophenol	3.08		0.700	ug/L	4.00		77.0	29-182		
3,4-Methylphenol	5.57		1.40	ug/L	8.00		69.7	60-140		
4-Bromophenyl phenyl ether (BDE-3)	1.70		0.300	ug/L	2.00		85.1	53-127		
4-Chloro-3-methylphenol	3.56		0.700	ug/L	4.00		89.0	22-147		
4-Chlorophenyl phenylether	1.68		0.700	ug/L	2.00		84.0	25-158		
4-Nitrophenol	11.3		7.20	ug/L	10.0		113	0-132		

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Quality Control
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Semivolatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit
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Batch: BHG0976 - EPA 625 LLE (Continued)

LCS (BHG0976-BS2)

Prepared: 7/9/2024 Analyzed: 7/11/2024

Acenaphthene	1.69		0.300	ug/L	2.00		84.4	47-145
Acenaphthylene	1.61		0.200	ug/L	2.00		80.5	33-145
Anthracene	1.75		0.200	ug/L	2.00		87.7	27-133
Benzo(a)anthracene	1.65		0.300	ug/L	2.00		82.4	33-143
Benzo(a)pyrene	1.82		0.500	ug/L	2.00		90.9	17-163
benzo(b&k)fluoranthene	3.23		0.400	ug/L	4.00		80.7	60-140
Benzo(g,h,i)perylene	1.85		0.400	ug/L	2.00		92.5	0-219
bis(2-Chloroethoxy)methane	1.71		0.400	ug/L	2.00		85.6	33-184
bis(2-Chloroethyl) ether	1.68		0.600	ug/L	2.00		84.1	12-158
Bis(2-ethylhexyl)phthalate	2.59		1.50	ug/L	2.00		129	8-158
Butyl benzyl phthalate	1.86		0.400	ug/L	2.00		93.0	0-152
Chrysene	1.77		0.200	ug/L	2.00		88.7	17-168
Dibenzo(a,h)anthracene	1.87		0.500	ug/L	2.00		93.6	0-227
Diethyl phthalate	1.99		0.500	ug/L	2.00		99.7	0-120
Dimethyl phthalate	1.87		0.300	ug/L	2.00		93.7	0-120
Di-n-butyl phthalate	1.53	U	1.60	ug/L	2.00		76.6	1-120
Di-n-octyl phthalate	1.69		0.500	ug/L	2.00		84.4	4-146
Fluoranthene	1.72		0.300	ug/L	2.00		86.1	26-137
Fluorene	1.72		0.200	ug/L	2.00		85.8	59-121
Hexachlorobenzene	1.49		0.200	ug/L	2.00		74.7	0-152
Hexachlorobutadiene	1.60		0.300	ug/L	2.00		80.1	24-120
Hexachlorocyclopentadiene	1.46		0.750	ug/L	2.00		72.8	60-140
Hexachloroethane	1.42		0.200	ug/L	2.00		70.8	40-120
Hexachlorophene	3.54		1.10	ug/L	4.00		88.5	60-140
Indeno(1,2,3-cd) pyrene	1.81		0.400	ug/L	2.00		90.5	0-171
Isophorone	1.69		0.300	ug/L	2.00		84.7	21-196
Naphthalene	1.58		0.300	ug/L	2.00		79.2	21-133
Nitrobenzene	1.66		0.400	ug/L	2.00		82.8	35-180
n-Nitrosodiethylamine	1.33		0.500	ug/L	2.00		66.3	60-140
n-Nitrosodimethylamine	2.59	U	3.80	ug/L	10.0		25.9	4.18-37.2
n-Nitroso-di-n-butylamine	<5.70	U	5.70	ug/L	2.00			60-140
n-Nitrosodi-n-propylamine	1.74		1.40	ug/L	2.00		87.0	0-230
n-Nitrosodiphenylamine	0.765	J1	0.200	ug/L	2.00		38.3	60-140
Pentachlorobenzene	1.42		0.200	ug/L	2.00		71.0	60-140
Pentachlorophenol	3.43		1.40	ug/L	4.00		85.8	14-176
Phenanthrene	1.77		0.300	ug/L	2.00		88.5	54-120
Phenol, Total	3.20		1.50	ug/L	4.00		80.1	5-120
Pyrene	1.76		0.300	ug/L	2.00		88.0	52-120
Pyridine	<13.3	U	13.3	ug/L	10.0			0-137

Surrogate: 2,4,6-Tribromophenol-surr		3.08	ug/L	4.00		77.0	33.6-139
Surrogate: 2-Fluorobiphenyl-surr		1.56	ug/L	2.00		78.1	32.2-138
Surrogate: 2-Fluorophenol-surr		3.39	ug/L	4.00		84.8	32.7-137
Surrogate: Nitrobenzene-d5-surr		1.52	ug/L	2.00		75.9	31.2-136
Surrogate: Phenol-d5-surr		3.61	ug/L	4.00		90.2	28.9-155
Surrogate: p-Terphenyl-d14-surr		1.77	ug/L	2.00		88.3	37.6-117

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Quality Control
(Continued)

Semivolatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: BHG0976 - EPA 625 LLE (Continued)

LCS (BHG0976-BS3)

Prepared: 7/9/2024 Analyzed: 7/12/2024

Surrogate: 2-Fluorobiphenyl-surr	1.24	ug/L	2.00	62.2	32.2-138
Surrogate: Nitrobenzene-d5-surr	1.52	ug/L	2.00	76.2	31.2-136
Surrogate: p-Terphenyl-d14-surr	1.32	ug/L	2.00	66.1	37.6-117

LCS (BHG0976-BS4)

Prepared: 7/9/2024 Analyzed: 7/16/2024

Surrogate: 2-Fluorobiphenyl-surr	1.38	ug/L	2.00	68.9	32.2-138
Surrogate: Nitrobenzene-d5-surr	1.42	ug/L	2.00	71.0	31.2-136
Surrogate: p-Terphenyl-d14-surr	1.51	ug/L	2.00	75.6	37.6-117

LCS Dup (BHG0976-BSD1)

Prepared: 7/9/2024 Analyzed: 7/13/2024

3,3'-Dichlorobenzidine	42.3		5.00	ug/L	50.0	84.5	0-262	29.1	108
Benzidine	<50.0	J1, U	50.0	ug/L	50.0		0-131	200	40
<hr/>									
Surrogate: 2-Fluorobiphenyl-surr			1.08	ug/L	2.00	54.0	32.2-138		
Surrogate: Nitrobenzene-d5-surr			1.10	ug/L	2.00	55.2	31.2-136		
Surrogate: p-Terphenyl-d14-surr			1.29	ug/L	2.00	64.3	37.6-117		

LCS Dup (BHG0976-BSD2)

Prepared: 7/9/2024 Analyzed: 7/11/2024

2-Methylphenol	2.85		1.10	ug/L	4.00	71.3	60-140	11.4	40
1,2,4,5-Tetrachlorobenzene	1.46		0.300	ug/L	2.00	72.9	60-140	8.61	40
1,2,4-Trichlorobenzene	1.23		0.300	ug/L	2.00	61.3	44-142	18.8	50
1,2-Diphenylhydrazine	1.84		0.750	ug/L	2.00	91.8	60-140	3.54	40
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy	1.28		0.400	ug/L	2.00	64.2	60-140	21.5	40
2,4,5-Trichlorophenol	3.33		0.700	ug/L	4.00	83.2	60-140	4.53	40
2,4,6-Trichlorophenol	3.43		1.20	ug/L	4.00	85.7	37-144	3.74	58
2,4-Dichlorophenol	3.13		0.800	ug/L	4.00	78.3	39-135	4.65	50
2,4-Dimethylphenol	3.47		0.900	ug/L	4.00	86.8	32-120	7.01	58
2,4-Dinitrophenol	8.77		8.60	ug/L	10.0	87.7	0-191	6.15	132
2,4-Dinitrotoluene (2,4-DNT)	1.74		0.200	ug/L	2.00	87.0	39-139	2.04	42
2,6-Dinitrotoluene (2,6-DNT)	2.16		1.80	ug/L	2.00	108	50-158	2.40	48
2-Chloronaphthalene	1.46		0.400	ug/L	2.00	73.2	60-120	7.64	24
2-Chlorophenol	2.97		0.500	ug/L	4.00	74.3	23-134	9.31	61
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph	3.63		1.60	ug/L	4.00	90.7	0-181	6.93	203
2-Nitrophenol	2.46		0.700	ug/L	4.00	61.4	29-182	22.5	55
3,4-Methylphenol	5.25		1.40	ug/L	8.00	65.6	60-140	6.04	40
4-Bromophenyl phenyl ether (BDE-3)	1.72		0.300	ug/L	2.00	85.9	53-127	0.905	43
4-Chloro-3-methylphenol	3.48		0.700	ug/L	4.00	87.1	22-147	2.18	73
4-Chlorophenyl phenylether	1.72		0.700	ug/L	2.00	86.0	25-158	2.25	61
4-Nitrophenol	10.7		7.20	ug/L	10.0	107	0-132	5.10	131
Acenaphthene	1.62		0.300	ug/L	2.00	81.2	47-145	3.83	48
Acenaphthylene	1.50		0.200	ug/L	2.00	74.9	33-145	7.11	74
Anthracene	1.70		0.200	ug/L	2.00	85.2	27-133	2.96	66
Benzo(a)anthracene	2.38		0.300	ug/L	2.00	119	33-143	36.4	53
Benzo(a)pyrene	1.76		0.500	ug/L	2.00	88.1	17-163	3.17	72
benzo(b&k)fluoranthene	4.31		0.400	ug/L	4.00	108	60-140	28.7	40
Benzo(g,h,i)perylene	1.78		0.400	ug/L	2.00	89.1	0-219	3.69	97

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Quality Control
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Semivolatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit
Batch: BHG0976 - EPA 625 LLE (Continued)									
LCS Dup (BHG0976-BSD2)					Prepared: 7/9/2024 Analyzed: 7/11/2024				
bis(2-Chloroethoxy)methane	1.51		0.400	ug/L	2.00		75.4	33-184	54
bis(2-Chloroethyl) ether	1.46		0.600	ug/L	2.00		73.0	12-158	108
Bis(2-ethylhexyl)phthalate	2.26		1.50	ug/L	2.00		113	8-158	82
Butyl benzyl phthalate	2.47		0.400	ug/L	2.00		123	0-152	60
Chrysene	2.32		0.200	ug/L	2.00		116	17-168	87
Dibenzo(a,h)anthracene	1.87		0.500	ug/L	2.00		93.6	0-227	126
Diethyl phthalate	1.99		0.500	ug/L	2.00		99.3	0-120	100
Dimethyl phthalate	1.85		0.300	ug/L	2.00		92.6	0-120	183
Di-n-butyl phthalate	2.44	J1	1.60	ug/L	2.00		122	1-120	47
Di-n-octyl phthalate	2.23		0.500	ug/L	2.00		112	4-146	69
Fluoranthene	1.73		0.300	ug/L	2.00		86.4	26-137	66
Fluorene	1.64		0.200	ug/L	2.00		82.1	59-121	38
Hexachlorobenzene	1.54		0.200	ug/L	2.00		77.1	0-152	55
Hexachlorobutadiene	1.22		0.300	ug/L	2.00		60.9	24-120	62
Hexachlorocyclopentadiene	1.43		0.750	ug/L	2.00		71.4	60-140	40
Hexachloroethane	1.23		0.200	ug/L	2.00		61.6	40-120	52
Hexachlorophene	3.67		1.10	ug/L	4.00		91.7	60-140	40
Indeno(1,2,3-cd) pyrene	1.79		0.400	ug/L	2.00		89.6	0-171	99
Isophorone	1.40		0.300	ug/L	2.00		70.2	21-196	93
Naphthalene	1.37		0.300	ug/L	2.00		68.6	21-133	65
Nitrobenzene	1.38		0.400	ug/L	2.00		69.0	35-180	62
n-Nitrosodiethylamine	1.32		0.500	ug/L	2.00		65.8	60-140	40
n-Nitrosodimethylamine	2.12	U	3.80	ug/L	10.0		21.2	4.18-37.2	40
n-Nitroso-di-n-butylamine	<5.70	U	5.70	ug/L	2.00			60-140	40
n-Nitrosodi-n-propylamine	1.40		1.40	ug/L	2.00		70.1	0-230	87
n-Nitrosodiphenylamine	0.739	J1	0.200	ug/L	2.00		36.9	60-140	40
Pentachlorobenzene	1.48		0.200	ug/L	2.00		74.1	60-140	40
Pentachlorophenol	3.70		1.40	ug/L	4.00		92.4	14-176	86
Phenanthrene	1.71		0.300	ug/L	2.00		85.5	54-120	39
Phenol, Total	3.07		1.50	ug/L	4.00		76.8	5-120	64
Pyrene	1.76		0.300	ug/L	2.00		88.0	52-120	49
Pyridine	<13.3	U	13.3	ug/L	10.0			0-137	40
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Surrogate: 2,4,6-Tribromophenol-surr			3.29	ug/L	4.00		82.2	33.6-139	
Surrogate: 2-Fluorobiphenyl-surr			1.40	ug/L	2.00		69.9	32.2-138	
Surrogate: 2-Fluorophenol-surr			2.74	ug/L	4.00		68.5	32.7-137	
Surrogate: Nitrobenzene-d5-surr			1.19	ug/L	2.00		59.5	31.2-136	
Surrogate: Phenol-d5-surr			3.15	ug/L	4.00		78.8	28.9-155	
Surrogate: p-Terphenyl-d14-surr			1.73	ug/L	2.00		86.4	37.6-117	

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Reported:
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Quality Control
(Continued)

Semivolatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: BHG0976 - EPA 625 LLE (Continued)

LCS Dup (BHG0976-BSD3)

Prepared: 7/9/2024 Analyzed: 7/12/2024

Surrogate: 2-Fluorobiphenyl-surr	1.18	ug/L	2.00	59.2	32.2-138
Surrogate: Nitrobenzene-d5-surr	1.44	ug/L	2.00	71.8	31.2-136
Surrogate: p-Terphenyl-d14-surr	1.34	ug/L	2.00	67.2	37.6-117

LCS Dup (BHG0976-BSD4)

Prepared: 7/9/2024 Analyzed: 7/16/2024

Surrogate: 2-Fluorobiphenyl-surr	1.27	ug/L	2.00	63.3	32.2-138
Surrogate: Nitrobenzene-d5-surr	1.32	ug/L	2.00	66.2	31.2-136
Surrogate: p-Terphenyl-d14-surr	1.37	ug/L	2.00	68.5	37.6-117

Matrix Spike (BHG0976-MS1)

Source: 24F5086-01

Prepared: 7/9/2024 Analyzed: 7/11/2024

2-Methylphenol	3.26		1.10	ug/L	4.00	<1.10	81.6	60-140
1,2,4,5-Tetrachlorobenzene	1.36		0.300	ug/L	2.00	<0.300	68.2	60-140
1,2,4-Trichlorobenzene	0.397	J1	0.300	ug/L	2.00	<0.300	19.8	44-142
1,2-Diphenylhydrazine	1.90		0.750	ug/L	2.00	<0.750	95.2	60-140
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy	1.13	J1	0.400	ug/L	2.00	<0.400	56.3	60-140
2,4,5-Trichlorophenol	2.94		0.700	ug/L	4.00	<0.700	73.4	60-140
2,4,6-Trichlorophenol	3.76		1.20	ug/L	4.00	<1.20	94.1	37-144
2,4-Dichlorophenol	1.73		0.800	ug/L	4.00	<0.800	43.3	39-135
2,4-Dimethylphenol	3.85		0.900	ug/L	4.00	<0.900	96.1	32-120
2,4-Dinitrophenol	8.85		8.60	ug/L	10.0	<8.60	88.5	0-191
2,4-Dinitrotoluene (2,4-DNT)	1.87		0.200	ug/L	2.00	0.162	85.3	39-139
2,6-Dinitrotoluene (2,6-DNT)	2.01		1.80	ug/L	2.00	<1.80	100	50-158
2-Chloronaphthalene	1.33		0.400	ug/L	2.00	<0.400	66.5	60-120
2-Chlorophenol	2.86		0.500	ug/L	4.00	<0.500	71.4	23-134
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph	3.63		1.60	ug/L	4.00	<1.60	90.7	0-181
2-Nitrophenol	2.92		0.700	ug/L	4.00	<0.700	73.0	29-182
3,4-Methylphenol	5.80	J1	1.40	ug/L	8.00	1.18	57.7	60-140
4-Bromophenyl phenyl ether (BDE-3)	1.77		0.300	ug/L	2.00	<0.300	88.3	53-127
4-Chloro-3-methylphenol	3.58		0.700	ug/L	4.00	0.885	67.3	22-147
4-Chlorophenyl phenylether	1.65		0.700	ug/L	2.00	<0.700	82.6	25-158
4-Nitrophenol	10.2		7.20	ug/L	10.0	<7.20	102	0-132
Acenaphthene	1.46		0.300	ug/L	2.00	<0.300	72.8	47-145
Acenaphthylene	1.48		0.200	ug/L	2.00	<0.200	74.2	33-145
Anthracene	1.64		0.200	ug/L	2.00	<0.200	82.2	27-133
Benzo(a)anthracene	1.62		0.300	ug/L	2.00	<0.300	81.1	33-143
Benzo(a)pyrene	1.87		0.500	ug/L	2.00	<0.500	93.6	17-163
benzo(b&k)fluoranthene	2.90		0.400	ug/L	4.00	<0.400	72.6	60-140
Benzo(g,h,i)perylene	1.97		0.400	ug/L	2.00	<0.400	98.3	0-219
bis(2-Chloroethoxy)methane	1.60		0.400	ug/L	2.00	<0.400	80.2	33-184
bis(2-Chloroethyl) ether	1.60		0.600	ug/L	2.00	0.231	68.5	12-158
Bis(2-ethylhexyl)phthalate	1.97		1.50	ug/L	2.00	0.928	52.2	8-158
Butyl benzyl phthalate	1.36		0.400	ug/L	2.00	<0.400	68.0	0-152
Chrysene	1.52		0.200	ug/L	2.00	<0.200	76.0	17-168
Dibenzo(a,h)anthracene	2.08		0.500	ug/L	2.00	<0.500	104	0-227
Diethyl phthalate	3.70		0.500	ug/L	2.00	2.91	39.8	0-120

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Quality Control
(Continued)

Semivolatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit
Batch: BHG0976 - EPA 625 LLE (Continued)									
Matrix Spike (BHG0976-MS1)			Source: 24F5086-01		Prepared: 7/9/2024 Analyzed: 7/11/2024				
Dimethyl phthalate	1.86		0.300	ug/L	2.00	0.599	63.2	0-120	
Di-n-butyl phthalate	1.39	U	1.60	ug/L	2.00	1.31	3.91	1-120	
Di-n-octyl phthalate	1.28		0.500	ug/L	2.00	<0.500	63.9	4-146	
Fluoranthene	2.73		0.300	ug/L	2.00	<0.300	136	26-137	
Fluorene	1.52		0.200	ug/L	2.00	0.0612	72.9	59-121	
Hexachlorobenzene	1.40		0.200	ug/L	2.00	<0.200	69.8	0-152	
Hexachlorobutadiene	1.06		0.300	ug/L	2.00	<0.300	53.1	24-120	
Hexachlorocyclopentadiene	2.77		0.750	ug/L	2.00	0.948	90.9	60-140	
Hexachloroethane	0.784	J1	0.200	ug/L	2.00	<0.200	39.2	40-120	
Hexachlorophene	<1.10	J1, U	1.10	ug/L	4.00	<1.10		60-140	
Indeno(1,2,3-cd) pyrene	1.94		0.400	ug/L	2.00	<0.400	96.9	0-171	
Isophorone	0.407	J1	0.300	ug/L	2.00	<0.300	20.4	21-196	
Naphthalene	0.973		0.300	ug/L	2.00	0.0927	44.0	21-133	
Nitrobenzene	1.58		0.400	ug/L	2.00	<0.400	79.2	35-180	
n-Nitrosodiethylamine	0.728	J1	0.500	ug/L	2.00	<0.500	36.4	60-140	
n-Nitrosodimethylamine	1.77	U	3.80	ug/L	10.0	<3.80	17.7	4.18-91	
n-Nitroso-di-n-butylamine	1.98	U	5.70	ug/L	2.00	<5.70	98.9	60-140	
n-Nitrosodi-n-propylamine	1.46		1.40	ug/L	2.00	<1.40	72.9	0-230	
n-Nitrosodiphenylamine	4.00	J1	0.200	ug/L	2.00	0.178	191	60-140	
Pentachlorobenzene	1.34		0.200	ug/L	2.00	<0.200	67.2	60-140	
Pentachlorophenol	3.37		1.40	ug/L	4.00	<1.40	84.2	14-176	
Phenanthrene	1.64		0.300	ug/L	2.00	<0.300	82.2	54-120	
Phenol, Total	6.29		1.50	ug/L	4.00	3.81	62.2	5-120	
Pyrene	1.15		0.300	ug/L	2.00	<0.300	57.4	52-120	
Pyridine	<13.3	J1, U	13.3	ug/L	10.0	<13.3		60-140	
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Surrogate: 2,4,6-Tribromophenol-surr			3.00	ug/L	4.00		74.9	33.6-139	
Surrogate: 2-Fluorobiphenyl-surr			1.17	ug/L	2.00		58.6	32.2-138	
Surrogate: 2-Fluorophenol-surr	S		0.506	ug/L	4.00		12.7	32.7-137	
Surrogate: Nitrobenzene-d5-surr			1.42	ug/L	2.00		70.8	31.2-136	
Surrogate: Phenol-d5-surr			5.01	ug/L	4.00		125	28.9-155	
Surrogate: p-Terphenyl-d14-surr			1.61	ug/L	2.00		80.6	37.6-117	

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Quality Control
(Continued)

Semivolatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: BHG0976 - EPA 625 LLE (Continued)

Matrix Spike (BHG0976-MS2)

Source: 24F5086-01RE1

Prepared: 7/9/2024 Analyzed: 7/12/2024

Surrogate: 2-Fluorobiphenyl-surr	1.28	ug/L	2.00	63.9	32.2-138
Surrogate: Nitrobenzene-d5-surr	1.53	ug/L	2.00	76.7	31.2-136
Surrogate: p-Terphenyl-d14-surr	1.38	ug/L	2.00	69.1	37.6-117

Matrix Spike (BHG0976-MS3)

Source: 24F5086-01RE3

Prepared: 7/9/2024 Analyzed: 7/16/2024

Surrogate: 2-Fluorobiphenyl-surr	1.23	ug/L	2.00	61.5	32.2-138
Surrogate: Nitrobenzene-d5-surr	1.13	ug/L	2.00	56.7	31.2-136
Surrogate: p-Terphenyl-d14-surr	1.64	ug/L	2.00	81.8	37.6-117

Matrix Spike Dup (BHG0976-MSD1)

Source: 24F5086-01

Prepared: 7/9/2024 Analyzed: 7/11/2024

2-Methylphenol	3.44		1.10	ug/L	4.00	<1.10	85.9	60-140	5.13	40
1,2,4,5-Tetrachlorobenzene	1.63		0.300	ug/L	2.00	<0.300	81.3	60-140	17.5	40
1,2,4-Trichlorobenzene	0.504	J1	0.300	ug/L	2.00	<0.300	25.2	44-142	23.8	50
1,2-Diphenylhydrazine	1.93		0.750	ug/L	2.00	<0.750	96.6	60-140	1.49	40
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy	1.28		0.400	ug/L	2.00	<0.400	64.1	60-140	13.1	40
2,4,5-Trichlorophenol	2.99		0.700	ug/L	4.00	<0.700	74.8	60-140	1.97	40
2,4,6-Trichlorophenol	3.85		1.20	ug/L	4.00	<1.20	96.2	37-144	2.20	58
2,4-Dichlorophenol	1.92		0.800	ug/L	4.00	<0.800	47.9	39-135	10.2	50
2,4-Dimethylphenol	3.98		0.900	ug/L	4.00	<0.900	99.5	32-120	3.48	58
2,4-Dinitrophenol	6.84	U	8.60	ug/L	10.0	<8.60	68.4	0-191	25.5	132
2,4-Dinitrotoluene (2,4-DNT)	1.96		0.200	ug/L	2.00	0.162	90.0	39-139	4.92	42
2,6-Dinitrotoluene (2,6-DNT)	1.88		1.80	ug/L	2.00	<1.80	94.2	50-158	6.43	48
2-Chloronaphthalene	1.13	J1	0.400	ug/L	2.00	<0.400	56.7	60-120	15.8	24
2-Chlorophenol	3.44		0.500	ug/L	4.00	<0.500	85.9	23-134	18.4	61
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph	2.77		1.60	ug/L	4.00	<1.60	69.3	0-181	26.7	203
2-Nitrophenol	3.01		0.700	ug/L	4.00	<0.700	75.2	29-182	3.00	55
3,4-Methylphenol	6.45		1.40	ug/L	8.00	1.18	66.0	60-140	10.7	40
4-Bromophenyl phenyl ether (BDE-3)	1.87		0.300	ug/L	2.00	<0.300	93.6	53-127	5.87	43
4-Chloro-3-methylphenol	3.67		0.700	ug/L	4.00	0.885	69.6	22-147	2.55	73
4-Chlorophenyl phenylether	1.72		0.700	ug/L	2.00	<0.700	85.8	25-158	3.81	61
4-Nitrophenol	8.95		7.20	ug/L	10.0	<7.20	89.5	0-132	13.0	131
Acenaphthene	1.59		0.300	ug/L	2.00	<0.300	79.4	47-145	8.75	48
Acenaphthylene	1.57		0.200	ug/L	2.00	<0.200	78.4	33-145	5.40	74
Anthracene	1.69		0.200	ug/L	2.00	<0.200	84.7	27-133	3.00	66
Benzo(a)anthracene	1.79		0.300	ug/L	2.00	<0.300	89.5	33-143	9.87	53
Benzo(a)pyrene	1.86		0.500	ug/L	2.00	<0.500	93.0	17-163	0.701	72
benzo(b&k)fluoranthene	2.86		0.400	ug/L	4.00	<0.400	71.4	60-140	1.70	40
Benzo(g,h,i)perylene	1.93		0.400	ug/L	2.00	<0.400	96.5	0-219	1.79	97
bis(2-Chloroethoxy)methane	1.66		0.400	ug/L	2.00	<0.400	82.8	33-184	3.16	54
bis(2-Chloroethyl) ether	1.91		0.600	ug/L	2.00	0.231	83.9	12-158	17.6	108
Bis(2-ethylhexyl)phthalate	1.94		1.50	ug/L	2.00	0.928	50.4	8-158	1.89	82
Butyl benzyl phthalate	1.31		0.400	ug/L	2.00	<0.400	65.3	0-152	4.10	60
Chrysene	1.42		0.200	ug/L	2.00	<0.200	71.2	17-168	6.52	87
Dibenzo(a,h)anthracene	2.03		0.500	ug/L	2.00	<0.500	101	0-227	2.58	126
Diethyl phthalate	3.83		0.500	ug/L	2.00	2.91	46.0	0-120	3.31	100

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Quality Control
(Continued)

Semivolatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHG0976 - EPA 625 LLE (Continued)										
Matrix Spike Dup (BHG0976-MSD1)			Source: 24F5086-01		Prepared: 7/9/2024 Analyzed: 7/11/2024					
Dimethyl phthalate	1.93		0.300	ug/L	2.00	0.599	66.8	0-120	3.74	183
Di-n-butyl phthalate	1.31	J1, U	1.60	ug/L	2.00	1.31	0.0956	1-120	5.67	47
Di-n-octyl phthalate	1.24		0.500	ug/L	2.00	<0.500	62.0	4-146	3.01	69
Fluoranthene	2.99	J1	0.300	ug/L	2.00	<0.300	149	26-137	9.18	66
Fluorene	1.68		0.200	ug/L	2.00	0.0612	81.0	59-121	10.1	38
Hexachlorobenzene	1.57		0.200	ug/L	2.00	<0.200	78.6	0-152	11.8	55
Hexachlorobutadiene	1.26		0.300	ug/L	2.00	<0.300	63.2	24-120	17.2	62
Hexachlorocyclopentadiene	2.41		0.750	ug/L	2.00	0.948	73.1	60-140	13.8	40
Hexachloroethane	1.08		0.200	ug/L	2.00	<0.200	54.1	40-120	31.8	52
Hexachlorophene	<1.10	J1, U	1.10	ug/L	4.00	<1.10		60-140		40
Indeno(1,2,3-cd) pyrene	1.92		0.400	ug/L	2.00	<0.400	96.0	0-171	0.943	99
Isophorone	0.507		0.300	ug/L	2.00	<0.300	25.3	21-196	21.8	93
Naphthalene	0.918		0.300	ug/L	2.00	0.0927	41.3	21-133	5.82	65
Nitrobenzene	1.85		0.400	ug/L	2.00	<0.400	92.7	35-180	15.7	62
n-Nitrosodiethylamine	0.847	J1	0.500	ug/L	2.00	<0.500	42.4	60-140	15.2	40
n-Nitrosodimethylamine	1.69	U	3.80	ug/L	10.0	<3.80	16.9	4.18-91	4.39	40
n-Nitroso-di-n-butylamine	<5.70	U	5.70	ug/L	2.00	<5.70		60-140	200	40
n-Nitrosodi-n-propylamine	1.68		1.40	ug/L	2.00	<1.40	84.0	0-230	14.2	87
n-Nitrosodiphenylamine	4.14	J1, L	0.200	ug/L	2.00	0.178	198	60-140	3.51	40
Pentachlorobenzene	1.53		0.200	ug/L	2.00	<0.200	76.6	60-140	13.0	40
Pentachlorophenol	3.49		1.40	ug/L	4.00	<1.40	87.2	14-176	3.48	86
Phenanthrene	1.68		0.300	ug/L	2.00	<0.300	84.0	54-120	2.17	39
Phenol, Total	7.22		1.50	ug/L	4.00	3.81	85.3	5-120	13.7	64
Pyrene	1.14		0.300	ug/L	2.00	<0.300	56.8	52-120	1.13	49
Pyridine	<13.3	J1, U	13.3	ug/L	10.0	<13.3		60-140		40
<hr/>										
Surrogate: 2,4,6-Tribromophenol-surr			3.19	ug/L	4.00		79.9	33.6-139		
Surrogate: 2-Fluorobiphenyl-surr			1.36	ug/L	2.00		68.0	32.2-138		
Surrogate: 2-Fluorophenol-surr		S	0.499	ug/L	4.00		12.5	32.7-137		
Surrogate: Nitrobenzene-d5-surr			1.48	ug/L	2.00		74.1	31.2-136		
Surrogate: Phenol-d5-surr			5.48	ug/L	4.00		137	28.9-155		
Surrogate: p-Terphenyl-d14-surr			1.62	ug/L	2.00		81.2	37.6-117		

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Quality Control
(Continued)

Semivolatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: BHG0976 - EPA 625 LLE (Continued)

Matrix Spike Dup (BHG0976-MSD2)

Source: 24F5086-01RE1

Prepared: 7/9/2024 Analyzed: 7/12/2024

Surrogate: 2-Fluorobiphenyl-surr	1.38	ug/L	2.00	69.1	32.2-138
Surrogate: Nitrobenzene-d5-surr	1.75	ug/L	2.00	87.3	31.2-136
Surrogate: p-Terphenyl-d14-surr	1.38	ug/L	2.00	68.9	37.6-117

Matrix Spike Dup (BHG0976-MSD3)

Source: 24F5086-01RE3

Prepared: 7/9/2024 Analyzed: 7/16/2024

Surrogate: 2-Fluorobiphenyl-surr	1.68	ug/L	2.00	83.9	32.2-138
Surrogate: Nitrobenzene-d5-surr	1.51	ug/L	2.00	75.7	31.2-136
Surrogate: p-Terphenyl-d14-surr	2.02	ug/L	2.00	101	37.6-117



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Quality Control
(Continued)

Organics by GC

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHG0406 - EPA 1657 SPE										
Blank (BHG0406-BLK1)					Prepared: 7/3/2024 Analyzed: 7/17/2024					
Azinphos-methyl (Guthion)	<0.101	U	0.101	ug/L						
Chlorpyrifos	<0.0503	U	0.0503	ug/L						
Demeton	<0.201	U	0.201	ug/L						
Diazinon	<0.503	U	0.503	ug/L						
Malathion	<0.101	U	0.101	ug/L						
Parathion, ethyl	<0.101	U	0.101	ug/L						
<hr/>										
LCS (BHG0406-BS1)					Prepared: 7/3/2024 Analyzed: 7/17/2024					
Azinphos-methyl (Guthion)	0.0649	J1, U	0.100	ug/L	0.250		25.9	37-150		
Chlorpyrifos	0.188		0.0501	ug/L	0.250		74.9	48-150		
Demeton	0.141	U	0.200	ug/L	0.250		56.2	16-150		
Diazinon	0.238	U	0.501	ug/L	0.250		95.1	50-150		
Malathion	0.206		0.100	ug/L	0.250		82.1	50-150		
Parathion, ethyl	0.317		0.100	ug/L	0.250		126	50-150		
<hr/>										
Surrogate: Tributyl Phosphate-surr		S	0.163	ug/L	0.100		162	40-120		
Surrogate: Triphenyl Phosphate-surr			0.0537	ug/L	0.100		53.6	40-120		
<hr/>										
LCS Dup (BHG0406-BSD1)					Prepared: 7/3/2024 Analyzed: 7/17/2024					
Azinphos-methyl (Guthion)	0.0676	J1, U	0.100	ug/L	0.249		27.1	37-150	3.99	40
Chlorpyrifos	0.164		0.0500	ug/L	0.249		65.7	48-150	13.6	40
Demeton	0.102	U	0.200	ug/L	0.249		40.8	16-150	32.0	40
Diazinon	0.214	U	0.500	ug/L	0.249		85.7	50-150	10.8	40
Malathion	0.190		0.100	ug/L	0.249		76.0	50-150	8.02	40
Parathion, ethyl	0.236		0.100	ug/L	0.249		94.4	50-150	29.4	40
<hr/>										
Surrogate: Tributyl Phosphate-surr			0.117	ug/L	0.0998		117	40-120		
Surrogate: Triphenyl Phosphate-surr			0.0444	ug/L	0.0998		44.5	40-120		
<hr/>										
Matrix Spike (BHG0406-MS1)					Source: 24F3396-02 Prepared: 7/3/2024 Analyzed: 7/17/2024					
Azinphos-methyl (Guthion)	<0.100	J1, U	0.100	ug/L	0.250	<0.100		25-150		
Chlorpyrifos	0.0297	J1, U	0.0500	ug/L	0.250	<0.0500	11.9	25-150		
Demeton	<0.200	J1, U	0.200	ug/L	0.250	<0.200		25-150		
Diazinon	<0.500	J1, U	0.500	ug/L	0.250	<0.500		25-150		
Malathion	<0.100	J1, U	0.100	ug/L	0.250	<0.100		25-150		
Parathion, ethyl	0.0225	J1, U	0.100	ug/L	0.250	<0.100	9.03	25-150		
<hr/>										
Surrogate: Tributyl Phosphate-surr			0.120	ug/L	0.0998		120	40-120		
Surrogate: Triphenyl Phosphate-surr		S	0.0103	ug/L	0.0998		10.3	40-120		

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Quality Control
(Continued)

Organics by GC (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: BHG0406 - EPA 1657 SPE (Continued)

Matrix Spike Dup (BHG0406-MSD1)

Source: 24F3396-02

Prepared: 7/3/2024 Analyzed: 7/17/2024

Azinphos-methyl (Guthion)	<0.100	J1, U	0.100	ug/L	0.250	<0.100		25-150		40
Chlorpyrifos	0.0546	J1	0.0500	ug/L	0.250	<0.0500	21.8	25-150	58.9	40
Demeton	<0.200	J1, U	0.200	ug/L	0.250	<0.200		25-150		40
Diazinon	0.0692	J1, U	0.500	ug/L	0.250	<0.500	27.7	25-150	200	40
Malathion	0.0479	J1, U	0.100	ug/L	0.250	<0.100	19.1	25-150	200	40
Parathion, ethyl	0.0826	J1, U	0.100	ug/L	0.250	<0.100	33.0	25-150	114	40
<hr/>										
Surrogate: Tributyl Phosphate-surr		S	0.260	ug/L	0.100		259	40-120		
Surrogate: Triphenyl Phosphate-surr		S	0.0263	ug/L	0.100		26.3	40-120		

Batch: BHG0419 - SM 6640 B

MB HERB (BHG0419-BLK1)

Prepared: 7/3/2024 Analyzed: 7/18/2024

2,4-D	<0.700	U	0.700	ug/L						
Silvex (2,4,5-TP)	<0.300	U	0.300	ug/L						

BS HERB (BHG0419-BS1)

Prepared: 7/3/2024 Analyzed: 7/18/2024

2,4-D	4.92		0.700	ug/L	5.14		95.6	70-130		
Silvex (2,4,5-TP)	4.98		0.300	ug/L	4.99		99.7	70-130		
<hr/>										
Surrogate: DCAA-surr			21.6	ug/L	25.0		86.5	70-130		

BSD HERB (BHG0419-BSD1)

Prepared: 7/3/2024 Analyzed: 7/18/2024

2,4-D	4.74		0.700	ug/L	5.11		92.6	70-130	3.67	30
Silvex (2,4,5-TP)	4.83		0.300	ug/L	4.97		97.2	70-130	3.09	30
<hr/>										
Surrogate: DCAA-surr			20.6	ug/L	24.8		83.1	70-130		

24G1325-01 MS (BHG0419-MS1)

Source: 24G1325-01

Prepared: 7/3/2024 Analyzed: 7/18/2024

2,4-D	5.33		0.700	ug/L	5.10	<0.700	105	70-130		
Silvex (2,4,5-TP)	5.35		0.300	ug/L	4.95	<0.300	108	70-130		
<hr/>										
Surrogate: DCAA-surr			24.8	ug/L	24.8		100	70-130		

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Quality Control
(Continued)

Organics by GC (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHG0419 - SM 6640 B (Continued)										
24G1325-01 MSD (BHG0419-MSD1)			Source: 24G1325-01			Prepared: 7/3/2024 Analyzed: 7/18/2024				
2,4-D	5.09		0.700	ug/L	5.09	<0.700	100	70-130	4.69	30
Silvex (2,4,5-TP)	5.08		0.300	ug/L	4.94	<0.300	103	70-130	5.00	30
<i>Surrogate: DCAA-surr</i>			28.8	ug/L	24.7		117	70-130		

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Quality Control
(Continued)

Metals, Total

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHG0260 - EPA 200.8										
Blank (BHG0260-BLK1)					Prepared: 7/3/2024 Analyzed: 7/9/2024					
Copper	<2.00	U	2.00	ug/L						
Blank (BHG0260-BLK2)					Prepared: 7/3/2024 Analyzed: 7/10/2024					
Aluminum	<5.00	U	5.00	ug/L						
Antimony	<5.00	U	5.00	ug/L						
Barium	<3.00	U	3.00	ug/L						
Cadmium	<1.00	U	1.00	ug/L						
Chromium	<3.00	U	3.00	ug/L						
Lead	<0.500	U	0.500	ug/L						
Nickel	<2.00	U	2.00	ug/L						
Silver	<0.500	U	0.500	ug/L						
Thallium	<0.500	U	0.500	ug/L						
Blank (BHG0260-BLK3)					Prepared: 7/3/2024 Analyzed: 7/12/2024					
Beryllium	<0.500	U	0.500	ug/L						
Zinc	<5.00	U	5.00	ug/L						
Blank (BHG0260-BLK4)					Prepared: 7/3/2024 Analyzed: 7/16/2024					
Arsenic	<0.500	U	0.500	ug/L						
Blank (BHG0260-BLK7)					Prepared: 7/3/2024 Analyzed: 7/18/2024					
Selenium	<5.00	U	5.00	ug/L						
LCS (BHG0260-BS1)					Prepared: 7/3/2024 Analyzed: 7/9/2024					
Copper	103		2.00	ug/L	100		103	85-115		
LCS (BHG0260-BS2)					Prepared: 7/3/2024 Analyzed: 7/10/2024					
Aluminum	268		5.00	ug/L	250		107	85-115		
Antimony	109		1.00	ug/L	100		109	85-115		
Barium	318		3.00	ug/L	300		106	85-115		
Cadmium	105		1.00	ug/L	100		105	85-115		
Chromium	317		3.00	ug/L	300		106	85-115		
Lead	51.8		0.500	ug/L	50.0		104	85-115		
Nickel	96.2		2.00	ug/L	100		96.2	85-115		
Silver	53.8		0.500	ug/L	50.0		108	85-115		
Thallium	52.2		0.500	ug/L	50.0		104	85-115		

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Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHG0260 - EPA 200.8 (Continued)										
LCS (BHG0260-BS3)					Prepared: 7/3/2024 Analyzed: 7/12/2024					
Beryllium	20.2		0.200	ug/L	20.0		101	85-115		
Zinc	223		2.00	ug/L	200		112	85-115		
LCS (BHG0260-BS4)					Prepared: 7/3/2024 Analyzed: 7/16/2024					
Arsenic	57.2		0.500	ug/L	50.0		114	85-115		
LCS (BHG0260-BS6)					Prepared: 7/3/2024 Analyzed: 7/18/2024					
Selenium	217		5.00	ug/L	200		108	85-115		
Duplicate (BHG0260-DUP1)					Source: 24G0584-01		Prepared: 7/3/2024 Analyzed: 7/9/2024			
Copper	6.94		2.00	ug/L		6.09			13.0	20
Duplicate (BHG0260-DUP2)					Source: 24G1481-02		Prepared: 7/3/2024 Analyzed: 7/10/2024			
Antimony	0.546	U	1.00	ug/L		0.566			3.60	20
Barium	138		3.00	ug/L		144			4.60	20
Cadmium	<1.00	U	1.00	ug/L		0.0890			200	20
Lead	0.0640	U	0.500	ug/L		0.0720			11.8	20
Silver	<0.500	U	0.500	ug/L		<0.500				20
Thallium	<0.500	U	0.500	ug/L		<0.500				20
Duplicate (BHG0260-DUP3)					Source: 24G0584-01		Prepared: 7/3/2024 Analyzed: 7/10/2024			
Aluminum	11.6	J1	2.50	ug/L		25.8			76.0	20
Antimony	1.38		1.00	ug/L		1.43			3.13	20
Barium	72.0		3.00	ug/L		70.8			1.70	20
Cadmium	<1.00	U	1.00	ug/L		<1.00				20
Chromium	0.278	U	3.00	ug/L		0.326			15.9	20
Lead	0.144	U	0.500	ug/L		0.125			14.1	20
Nickel	3.03		2.00	ug/L		2.93			3.29	20
Silver	0.0150	U	0.500	ug/L		0.0140			6.90	20
Thallium	<0.500	U	0.500	ug/L		<0.500				20

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Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHG0260 - EPA 200.8 (Continued)										
Duplicate (BHG0260-DUP4)			Source: 24G0584-01		Prepared: 7/3/2024 Analyzed: 7/12/2024					
Beryllium	0.0200	U	0.200	ug/L		<0.200			200	20
Zinc	56.7		2.00	ug/L		54.7			3.52	20
Duplicate (BHG0260-DUP5)			Source: 24G1481-02		Prepared: 7/3/2024 Analyzed: 7/12/2024					
Aluminum	11.9		5.00	ug/L		11.6			2.75	20
Beryllium	<0.200	U	0.200	ug/L		<0.200				20
Chromium	0.558	U	6.00	ug/L		0.549			1.63	20
Nickel	1.15	U	4.00	ug/L		1.32			13.7	20
Zinc	39.9		2.00	ug/L		38.5			3.49	20
Duplicate (BHG0260-DUP6)			Source: 24G0584-01		Prepared: 7/3/2024 Analyzed: 7/16/2024					
Arsenic	1.85		0.500	ug/L		1.74			6.19	20
Duplicate (BHG0260-DUP7)			Source: 24G1481-02		Prepared: 7/3/2024 Analyzed: 7/16/2024					
Arsenic	1.45		0.500	ug/L		1.53			5.03	20
Duplicate (BHG0260-DUP9)			Source: 24G1481-02		Prepared: 7/3/2024 Analyzed: 7/16/2024					
Copper	3.56		2.00	ug/L		3.75			5.39	20
Duplicate (BHG0260-DUPC)			Source: 24G0584-01		Prepared: 7/3/2024 Analyzed: 7/18/2024					
Selenium	0.643	U	5.00	ug/L		0.687			6.62	20
Duplicate (BHG0260-DUPD)			Source: 24G1481-02		Prepared: 7/3/2024 Analyzed: 7/18/2024					
Selenium	0.429	U	5.00	ug/L		1.28			99.8	20
Matrix Spike (BHG0260-MS1)			Source: 24G0584-01		Prepared: 7/3/2024 Analyzed: 7/9/2024					
Copper	107		2.00	ug/L	100	6.09	101	75-125		

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Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit
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Batch: BHG0260 - EPA 200.8 (Continued)

Matrix Spike (BHG0260-MS2)

Source: 24G1481-02

Prepared: 7/3/2024 Analyzed: 7/10/2024

Aluminum	268		5.00	ug/L	250	11.6	102	75-125
Antimony	106		1.00	ug/L	100	0.566	105	75-125
Barium	430		3.00	ug/L	300	144	95.2	75-125
Cadmium	98.9		1.00	ug/L	100	0.0890	98.8	75-125
Chromium	275		3.00	ug/L	300	0.549	91.6	75-125
Lead	46.1		0.500	ug/L	50.0	0.0720	92.0	75-125
Nickel	99.4		2.00	ug/L	100	1.32	98.1	75-125
Silver	48.5		0.500	ug/L	50.0	<0.500	97.1	75-125
Thallium	49.3		0.500	ug/L	50.0	<0.500	98.6	75-125

Matrix Spike (BHG0260-MS3)

Source: 24G0584-01

Prepared: 7/3/2024 Analyzed: 7/10/2024

Aluminum	277		5.00	ug/L	250	25.8	100	75-125
Antimony	112		1.00	ug/L	100	1.43	111	75-125
Barium	393		3.00	ug/L	300	70.8	107	75-125
Cadmium	103		1.00	ug/L	100	<1.00	103	75-125
Chromium	314		3.00	ug/L	300	0.326	104	75-125
Lead	51.3		0.500	ug/L	50.0	0.125	102	75-125
Nickel	105		2.00	ug/L	100	2.93	102	75-125
Silver	52.4		0.500	ug/L	50.0	0.0140	105	75-125
Thallium	51.8		0.500	ug/L	50.0	<0.500	104	75-125

Matrix Spike (BHG0260-MS4)

Source: 24G0584-01

Prepared: 7/3/2024 Analyzed: 7/12/2024

Beryllium	22.2		0.200	ug/L	20.0	<0.200	111	75-125
Zinc	277		2.00	ug/L	200	54.7	111	75-125

Matrix Spike (BHG0260-MS5)

Source: 24G1481-02

Prepared: 7/3/2024 Analyzed: 7/12/2024

Zinc	254		2.00	ug/L	200	38.5	108	75-125
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Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHG0260 - EPA 200.8 (Continued)										
Matrix Spike (BHG0260-MS6)		Source: 24G0584-01			Prepared: 7/3/2024 Analyzed: 7/16/2024					
Arsenic	60.6		0.500	ug/L	50.0	1.74	118	75-125		
Matrix Spike (BHG0260-MS7)		Source: 24G1481-02			Prepared: 7/3/2024 Analyzed: 7/16/2024					
Arsenic	58.9		0.500	ug/L	50.0	1.53	115	75-125		
Matrix Spike (BHG0260-MS9)		Source: 24G1481-02			Prepared: 7/3/2024 Analyzed: 7/16/2024					
Copper	109		2.00	ug/L	100	3.75	105	75-125		
Matrix Spike (BHG0260-MSC)		Source: 24G0584-01			Prepared: 7/3/2024 Analyzed: 7/18/2024					
Selenium	226		5.00	ug/L	200	0.687	113	75-125		
Matrix Spike (BHG0260-MSD)		Source: 24G1481-02			Prepared: 7/3/2024 Analyzed: 7/18/2024					
Beryllium	23.0		0.200	ug/L	20.0	<0.200	115	75-125		
Selenium	222		5.00	ug/L	200	1.28	111	75-125		
Batch: BHG0760 - EPA 1631										
Blank (BHG0760-BLK1)					Prepared: 7/5/2024 Analyzed: 7/9/2024					
Mercury	<0.00500	U	0.00500	ug/L						
Blank (BHG0760-BLK2)					Prepared: 7/5/2024 Analyzed: 7/9/2024					
Mercury	<0.00500	U	0.00500	ug/L						
Blank (BHG0760-BLK3)					Prepared: 7/5/2024 Analyzed: 7/9/2024					
Mercury	<0.00500	U	0.00500	ug/L						
Matrix Spike (BHG0760-MS1)		Source: 24G0006-01			Prepared: 7/5/2024 Analyzed: 7/9/2024					
Mercury	0.0308	J1	0.00526	ug/L	0.0526	0.00450	49.9	71-125		

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Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHG0760 - EPA 1631 (Continued)										
Matrix Spike (BHG0760-MS2)		Source: 24G0277-02		Prepared: 7/5/2024 Analyzed: 7/9/2024						
Mercury	0.0100	J1	0.00526	ug/L	0.0526	<0.00526	19.1	71-125		
Matrix Spike Dup (BHG0760-MSD1)		Source: 24G0006-01		Prepared: 7/5/2024 Analyzed: 7/9/2024						
Mercury	0.0312	J1	0.00526	ug/L	0.0526	0.00450	50.7	71-125	1.39	24
Matrix Spike Dup (BHG0760-MSD2)		Source: 24G0277-02		Prepared: 7/5/2024 Analyzed: 7/9/2024						
Mercury	0.0100	J1	0.00526	ug/L	0.0526	<0.00526	19.1	71-125	0.00	24

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Quality Control
(Continued)

Metals, Dissolved

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHG1015 - Cr VI										
Matrix Spike (BHG1015-MS1)										
Source: 24G1325-01										
Prepared & Analyzed: 7/10/2024										
Chromium (VI)	241		3.00	ug/L	250	4.46	94.7	70-130		
Matrix Spike Dup (BHG1015-MSD1)										
Source: 24G1325-01										
Prepared & Analyzed: 7/10/2024										
Chromium (VI)	234		3.00	ug/L	250	4.46	91.8	70-130	2.99	20

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Quality Control
(Continued)

General Chemistry

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHG0261 - Alkalinity										
Blank (BHG0261-BLK1)										
Conductivity	<2.00	U	2.00	umhos/cm @ 25 °C						
Prepared & Analyzed: 7/3/2024										
LCS (BHG0261-BS1)										
Conductivity	1410			umhos/cm @ 25 °C	1410		100	90-110		
Prepared & Analyzed: 7/3/2024										
QCS (BHG0261-BS2)										
Conductivity	507			umhos/cm @ 25 °C	500		101	90-110		
Prepared & Analyzed: 7/3/2024										
LCS (BHG0261-BS4)										
Alkalinity as CaCO3	108			mg/L	100		108	90-110		
Prepared & Analyzed: 7/3/2024										
Duplicate (BHG0261-DUP1)										
Source: 24G1325-01										
Alkalinity as CaCO3	84.6		10.0	mg/L		86.9			2.65	15
Conductivity	658		2.00	umhos/cm @ 25 °C		671			1.96	15
Prepared & Analyzed: 7/3/2024										
Duplicate (BHG0261-DUP2)										
Source: 24F2427-02										
Alkalinity as CaCO3	244		10.0	mg/L		242			1.06	15
Conductivity	582		2.00	umhos/cm @ 25 °C		577			0.863	15
Prepared & Analyzed: 7/3/2024										
Batch: BHG0266 - CBOD-5210										
LCS (BHG0266-BS1)										
Carbonaceous BOD (CBOD)	229	J1		mg/L	198		116	85-115		
Prepared: 7/3/2024 Analyzed: 7/8/2024										
Duplicate (BHG0266-DUP1)										
Source: 24G1328-02										
Carbonaceous BOD (CBOD)	2.67		2.40	mg/L		3.14			16.4	40
Prepared: 7/3/2024 Analyzed: 7/8/2024										

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Quality Control
(Continued)

General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHG0266 - CBOD-5210 (Continued)										
Duplicate (BHG0266-DUP2)	Source: 24G1357-01		Prepared: 7/3/2024 Analyzed: 7/8/2024							
Carbonaceous BOD (CBOD)	3.81		2.40	mg/L		4.03			5.77	40
Duplicate (BHG0266-DUP3)	Source: 24G1446-01		Prepared: 7/3/2024 Analyzed: 7/8/2024							
Carbonaceous BOD (CBOD)	3.03		2.40	mg/L		2.40			23.1	40
Duplicate (BHG0266-DUP4)	Source: 24G1290-09		Prepared: 7/3/2024 Analyzed: 7/8/2024							
Carbonaceous BOD (CBOD)	<2.40	U	2.40	mg/L		2.63			200	40
Duplicate (BHG0266-DUP5)	Source: 24G1359-02		Prepared: 7/3/2024 Analyzed: 7/8/2024							
Carbonaceous BOD (CBOD)	4.48		2.40	mg/L		4.54			1.51	40
Duplicate (BHG0266-DUP6)	Source: 24G0233-01		Prepared: 7/3/2024 Analyzed: 7/8/2024							
Carbonaceous BOD (CBOD)	3.12		2.40	mg/L		2.46			23.6	40
Duplicate (BHG0266-DUP7)	Source: 24G1499-02		Prepared: 7/3/2024 Analyzed: 7/8/2024							
Carbonaceous BOD (CBOD)	6.45		2.40	mg/L		5.29			19.7	40
Duplicate (BHG0266-DUP8)	Source: 24G0050-03		Prepared: 7/3/2024 Analyzed: 7/8/2024							
Carbonaceous BOD (CBOD)	226		50.0	mg/L		224			0.889	20
Batch: BHG0293 - TDS										
Blank (BHG0293-BLK1)			Prepared: 7/3/2024 Analyzed: 7/5/2024							
Residue-filterable (TDS)	<10.0	U	10.0	mg/L						
LCS (BHG0293-BS1)			Prepared: 7/3/2024 Analyzed: 7/5/2024							
Residue-filterable (TDS)	147		10.0	mg/L	150		98.0	90-110		

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Quality Control
(Continued)

General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: BHG0293 - TDS (Continued)

Duplicate (BHG0293-DUP1)

Source: 24G0081-02

Prepared: 7/3/2024 Analyzed: 7/5/2024

Residue-filterable (TDS)	586		10.0	mg/L		632			7.55	10
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Batch: BHG0336 - TSS

Blank (BHG0336-BLK1)

Prepared: 7/3/2024 Analyzed: 7/5/2024

Residue-nonfilterable (TSS)	<1.00	U	1.00	mg/L						
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LCS (BHG0336-BS1)

Prepared: 7/3/2024 Analyzed: 7/5/2024

Residue-nonfilterable (TSS)	98.6		1.00	mg/L	100		98.6	85-115		
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Duplicate (BHG0336-DUP1)

Source: 24G1313-01

Prepared: 7/3/2024 Analyzed: 7/5/2024

Residue-nonfilterable (TSS)	1.26	J1	1.00	mg/L		1.68			28.6	10
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Duplicate (BHG0336-DUP2)

Source: 24G1441-02

Prepared: 7/3/2024 Analyzed: 7/5/2024

Residue-nonfilterable (TSS)	2.53	J1	1.00	mg/L		3.16			22.2	10
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Batch: BHG0371 - NH3-N SEAL-350.1

Matrix Spike (BHG0371-MS1)

Source: 24G1270-01

Prepared & Analyzed: 7/5/2024

Ammonia as N	0.279		0.0400	mg/L	0.200	0.0850	97.0	90-110		
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Matrix Spike (BHG0371-MS2)

Source: 24G1325-01

Prepared & Analyzed: 7/5/2024

Ammonia as N	0.210		0.0400	mg/L	0.200	0.0250	92.5	90-110		
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Matrix Spike Dup (BHG0371-MSD1)

Source: 24G1270-01

Prepared & Analyzed: 7/5/2024

Ammonia as N	0.284		0.0400	mg/L	0.200	0.0850	99.5	90-110	1.78	20
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Quality Control
(Continued)

General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: BHG0371 - NH3-N SEAL-350.1 (Continued)

Matrix Spike Dup (BHG0371-MSD2)

Source: 24G1325-01

Prepared & Analyzed: 7/5/2024

Ammonia as N	0.213		0.0400	mg/L	0.200	0.0250	94.0	90-110	1.42	20
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Batch: BHG0392 - EPA 300.0

Duplicate (BHG0392-DUP1)

Source: 24G1325-01

Prepared & Analyzed: 7/3/2024

Nitrate as N	1740		100	ug/L		1750			0.861	15
Sulfate	22.9		1.00	mg/L		23.0			0.345	15
Chloride	138		10.0	mg/L		139			0.577	15
Nitrite as N	<50.0	U	50.0	ug/L		<50.0				15
Fluoride	<0.250	U	0.250	mg/L		<0.250				15

Duplicate (BHG0392-DUP2)

Source: 24G1373-02

Prepared & Analyzed: 7/4/2024

Sulfate	<1.00	U	1.00	mg/L		<1.00				15
Nitrite as N	<50.0	U	50.0	ug/L		<50.0				15
Nitrate as N	75.0	U	100	ug/L		76.0			1.32	15
Fluoride	0.580		0.250	mg/L		0.588			1.37	15
Chloride	663	L	10.0	mg/L		646			2.62	15

MRL Check (BHG0392-MRL1)

Prepared & Analyzed: 7/3/2024

Sulfate	1.26		1.00	mg/L	1.00		126	50-150		
Nitrite as N	21.0	J1, U	50.0	ug/L	50.0		42.0	50-150		
Chloride	1.01		1.00	mg/L	1.00		101	50-150		
Nitrate as N	118		100	ug/L	100		118	50-150		
Fluoride	0.306		0.250	mg/L	0.250		122	50-150		

Matrix Spike (BHG0392-MS1)

Source: 24G1325-01

Prepared & Analyzed: 7/3/2024

Nitrite as N	2470	J1	55.6	ug/L	1110	<55.6	222	80-120		
Sulfate	47.2		1.11	mg/L	22.2	23.0	109	80-120		
Nitrate as N	4100		111	ug/L	2220	1750	106	80-120		
Fluoride	5.74		0.278	mg/L	5.56	<0.278	103	80-120		
Chloride	140	J1	11.1	mg/L	11.1	139	9.12	80-120		

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Quality Control
(Continued)

General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHG0392 - EPA 300.0 (Continued)										
Matrix Spike (BHG0392-MS2)		Source: 24G1373-02			Prepared & Analyzed: 7/4/2024					
Chloride	711	J1, L	11.1	mg/L	11.1	646	586	80-120		
Fluoride	6.27		0.278	mg/L	5.56	0.588	102	80-120		
Sulfate	21.4		1.11	mg/L	22.2	<1.11	96.1	80-120		
Nitrite as N	<55.6	J1, U	55.6	ug/L	1110	<55.6		80-120		
Nitrate as N	2050		111	ug/L	2220	76.0	88.6	80-120		
Batch: BHG0401 - Phosphorus EPA 365.1										
LCS (BHG0401-BS1)		Prepared: 7/9/2024 Analyzed: 7/10/2024								
Total Phosphorus	0.240		0.0100	mg/L	0.250		96.1	90-110		
Matrix Spike (BHG0401-MS1)		Source: 24G1131-06			Prepared: 7/9/2024 Analyzed: 7/10/2024					
Total Phosphorus	54.4		0.500	mg/L	12.5	43.2	89.2	80-120		
Matrix Spike (BHG0401-MS2)		Source: 24G1476-01			Prepared: 7/9/2024 Analyzed: 7/10/2024					
Total Phosphorus	4.85		0.200	mg/L	5.00	0.124	94.6	80-120		
Matrix Spike Dup (BHG0401-MSD1)		Source: 24G1131-06			Prepared: 7/9/2024 Analyzed: 7/10/2024					
Total Phosphorus	54.2		0.500	mg/L	12.5	43.2	88.2	80-120	0.221	20
Matrix Spike Dup (BHG0401-MSD2)		Source: 24G1476-01			Prepared: 7/9/2024 Analyzed: 7/10/2024					
Total Phosphorus	4.94		0.200	mg/L	5.00	0.124	96.3	80-120	1.80	20
Batch: BHG0767 - EPA 300.0										
Duplicate (BHG0767-DUP1)		Source: 24G0052-02			Prepared & Analyzed: 7/5/2024					
Chloride	628		20.0	mg/L		630			0.289	15

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Quality Control
(Continued)

General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHG0767 - EPA 300.0 (Continued)										
Duplicate (BHG0767-DUP2) Source: 24G0051-02 Prepared & Analyzed: 7/6/2024										
Chloride	644		20.0	mg/L		651			1.03	15
MRL Check (BHG0767-MRL1) Prepared & Analyzed: 7/5/2024										
Chloride	1.09		1.00	mg/L	1.00		109	50-150		
Matrix Spike (BHG0767-MS1) Source: 24G0052-02 Prepared & Analyzed: 7/5/2024										
Chloride	664	J1	22.2	mg/L	11.1	630	311	80-120		
Matrix Spike (BHG0767-MS2) Source: 24G0051-02 Prepared & Analyzed: 7/6/2024										
Chloride	680	J1	22.2	mg/L	11.1	651	259	80-120		
Batch: BHG0858 - CN-4500										
Blank (BHG0858-BLK1) Prepared & Analyzed: 7/8/2024										
Total Cyanide	<10.0	U	10.0	ug/L						
LCS (BHG0858-BS1) Prepared & Analyzed: 7/8/2024										
Total Cyanide	201		10.0	ug/L	200		100	90-110		
QCS (BHG0858-BS2) Prepared & Analyzed: 7/8/2024										
Total Cyanide	200		10.0	ug/L	200		99.8	90-110		
MRL Check (BHG0858-MRL1) Prepared & Analyzed: 7/8/2024										
Total Cyanide	12.1		10.0	ug/L	10.0		121	50-150		
Matrix Spike (BHG0858-MS1) Source: 24F3396-01 Prepared & Analyzed: 7/8/2024										
Total Cyanide	210		10.2	ug/L	204	8.74	98.8	80-120		

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Quality Control
(Continued)

General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: BHG0858 - CN-4500 (Continued)

Matrix Spike Dup (BHG0858-MSD1)

Source: 24F3396-01

Prepared & Analyzed: 7/8/2024

Total Cyanide	206		10.2	ug/L	204	8.74	96.9	80-120	1.86	20
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Batch: BHG0933 - EPA 1664

Blank (BHG0933-BLK1)

Prepared & Analyzed: 7/9/2024

n-Hexane Extractable Material (O&G)	<5.00	U	5.00	mg/L						
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LCS (BHG0933-BS1)

Prepared & Analyzed: 7/9/2024

n-Hexane Extractable Material (O&G)	39.6		5.00	mg/L	40.0		99.0	77.5-114.5		
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LCS Dup (BHG0933-BSD1)

Prepared & Analyzed: 7/9/2024

n-Hexane Extractable Material (O&G)	37.7		5.00	mg/L	40.0		94.3	77.5-114.5	4.89	20
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Matrix Spike (BHG0933-MS1)

Source: 24G1340-01

Prepared & Analyzed: 7/9/2024

n-Hexane Extractable Material (O&G)	42.7	J1	5.00	mg/L	160	7.80	21.8	77.5-114.5		
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Batch: BHG1831 - TKN T

Blank (BHG1831-BLK1)

Prepared: 7/16/2024 Analyzed: 7/17/2024

Total Kjeldahl Nitrogen - (TKN)	<1.00	U	1.00	mg/L						
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LCS (BHG1831-BS1)

Prepared: 7/16/2024 Analyzed: 7/17/2024

Total Kjeldahl Nitrogen - (TKN)	1.79		1.00	mg/L	1.97		90.8	85-115		
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Duplicate (BHG1831-DUP1)

Source: 24G1279-02

Prepared: 7/16/2024 Analyzed: 7/17/2024

Total Kjeldahl Nitrogen - (TKN)	<1.00	U	1.00	mg/L		<1.00				20
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Quality Control
(Continued)

General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit
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Batch: BHG1831 - TKN T (Continued)

MRL Check (BHG1831-MRL1)					Prepared: 7/16/2024 Analyzed: 7/17/2024				
Total Kjeldahl Nitrogen - (TKN)	3.25		1.00	mg/L	4.00		81.2	50-150	
Matrix Spike (BHG1831-MS1)					Prepared: 7/16/2024 Analyzed: 7/17/2024				
Total Kjeldahl Nitrogen - (TKN)	2.24	J1	1.00	mg/L	4.00	<1.00	56.0	85-115	

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Quality Control
(Continued)

Microbiology

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHG0197 - ENT Quantitray										
Blank (BHG0197-BLK1)										
Enterococci	<1.00	U	1.00	MPN/100 mL						
Prepared: 7/2/2024 Analyzed: 7/3/2024										
Duplicate (BHG0197-DUP1)										
Enterococci	29.5		1.00	MPN/100 mL		41.4			33.6	200
Source: 24G1330-01 Prepared: 7/2/2024 Analyzed: 7/3/2024										
Batch: BHG0198 - TC EC Quantitray										
Blank (BHG0198-BLK1)										
Escherichia coli (E. coli)	<1.00	CQa, U	1.00	MPN/100 mL						
Prepared: 7/2/2024 Analyzed: 7/3/2024										
Duplicate (BHG0198-DUP1)										
Escherichia coli (E. coli)	<1.00	CQa, U	1.00	MPN/100 mL		<1.00				200
Source: 24G1582-01 Prepared: 7/2/2024 Analyzed: 7/3/2024										

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Sample Condition Checklist

Work Order: 24G1325

Check Points

No	Custody Seals
Yes	Containers Intact
Yes	COC/Labels Agree
Yes	Received On Ice
Yes	Appropriate Containers
Yes	Appropriate Sample Volume
Yes	Coolers Intact
Yes	Samples Accepted

Work Order: 24G2012

Check Points

No	Custody Seals
Yes	Containers Intact
Yes	COC/Labels Agree
Yes	Received On Ice
Yes	Appropriate Containers
Yes	Appropriate Sample Volume
Yes	Coolers Intact
Yes	Samples Accepted



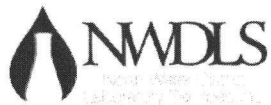
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Term and Qualifier Definitions

Item	Definition
C+	The associated calibration QC is higher than the established quality control criteria for accuracy - no hit in sample; data not affected and acceptable to report.
CQ	Calibration curve was outside of range, for linear fit and/or accuracy
CQa	The method required incubation temperature was not maintained throughout the entire incubation time. The incubation temperature was exceeded
J1	Estimated value - The reported value is outside the established quality control criteria for accuracy and/or precision.
L	Off scale high - The concentration of the analyte exceeds the linear range.
S	The surrogate recovery was outside the established laboratory recovery limit.
U	Non-detected compound.
V	Analyte was detected in both sample and method blank.
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated
*	A = Accredited, N = Not Accredited or Accreditation not available
DF	Dilution Factor - the factor applied to the reported data due to sample preparation, dilution, or moisture content
MDL	Method Detection Limit - The minimum concentration of a substance (or analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. Based on standard deviation of replicate spiked samples take through all steps of the analytical procedure following 40 CFR Part 136 Appendix B.
SDL	Sample Detection Limit - The minimum concentration of a substance (analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. The SDL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MDL = SDL.
MRL	Method Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The MRL is at or above the lowest calibration standard.
LRL	Laboratory Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The LRL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MRL = LRL.

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



CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com



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24G1325

TCEQ TX-C24-00185

Lab PM : Rebecca Rabon		Project Name : Generation Park - NP - Permit Renewal 2024					Schedule Comments:
Inframark Dana Angelos 32259 Morton Road Brookshire, TX 77423 Phone: (346) 570-4055		Project Comments: 3850 FT SWof Lockwood Road & BW8 - Hou 77044 Gate 1515 Kaleb Weaver 281-770-8842 DO reading must be recorded before 9am If CL2 not between 1.0 - 4.0 Call Office, unless Dechlor plant <.1					
Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation	Field Results



CHAIN OF CUSTODY RECORD

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24G1325

(Continued)

TCEQ TX-C24-00185

Lab PM : Rebecca Rabon		Project Name : Generation Park - NP - Permit Renewal 2024		Schedule Comments:	
Inframark Dana Angelos 32259 Morton Road Brookshire, TX 77423 Phone: (346) 570-4055		Project Comments: 3850 FT SWof Lockwood Road & BW8 - Hou 77044 Gate 1515 Kaleb Weaver 281-770-8842 DO reading must be recorded before 9am If CL2 not between 1.0 - 4.0 Call Office, unless Dechlor plant <.1			
24G1325-01	Outfall 001	7/2/2024 <i>108.45</i>	AQ Grab	<div><div>A HDPE 250mL</div><div>AAAmber Glass 1L w/ Teflon-lined Lid</div><div>AEAmber Glass 1L w/ Teflon-lined Lid</div><div>ACAmber Glass 1L w/ Teflon-lined Lid</div><div>ACHDPE S250mL</div><div>Na2S2O3</div><div>AEHDPE 250mL</div><div>AFHDPE 250mL H2SO4</div><div>ACHDPE 1L</div><div>AFGlass VOA 40mL</div><div>Al Glass VOA 40mL</div><div>AJGlass VOA 40mL</div><div>AKGlass VOA 40mL</div><div>ALGlass VOA 40mL</div><div>ANGlass VOA 40mL</div><div>B HDPE 1L</div><div>C HDPE 250mL NaOH</div><div>D PreCleaned HDPE 250mL HNO3</div><div>E HDPE 250 Cr6+Buf after filtration</div><div>F HDPE S250mL</div><div>Na2S2O3</div><div>G Glass VOA 60mL</div><div>Protocol B</div><div>H Glass VOA 60mL</div><div>Protocol B</div><div>I Glass VOA 60mL</div><div>Protocol B</div><div>J Glass 4oz Boston Round</div><div>K HDPE 250mL</div><div>L HDPE 250mL H2SO4</div><div>M Amber Glass 250mL w/ Teflon-lined Lid</div><div>N Amber Glass 250mL w/ Teflon-lined Lid</div><div>O HDPE 250mL H2SO4</div><div>P Amber Glass 250mL w/ Teflon-lined Lid</div><div>Q Amber Glass 250mL w/ Teflon-lined Lid</div></div> <div><div>Aluminum ICPMS 200.8 HNO3</div><div>Antimony ICPMS 200.8 HNO3</div><div>Arsenic ICPMS 200.8 HNO3</div><div>Barium ICPMS 200.8 HNO3</div><div>Beryllium ICPMS 200.8 HNO3</div><div>Cadmium ICPMS 200.8 HNO3</div><div>Chromium ICPMS 200.8 HNO3</div><div>Copper ICPMS 200.8 HNO3</div><div>Lead ICPMS 200.8 HNO3</div><div>LL Hg-1631</div><div>BrCl</div><div>LPR Metals</div><div>[Group Analysis]</div><div>Nickel ICPMS 200.8 HNO3</div><div>Selenium ICPMS 200.8 HNO3</div><div>Silver ICPMS 200.8 HNO3</div><div>Thallium ICPMS 200.8 HNO3</div><div>Zinc ICPMS 200.8 HNO3</div><div>ENT-ASTMD6503</div><div>Na2S2O3</div><div><10°C</div><div>TC EC-9223</div><div>Na2S2O3</div><div><10°C</div><div>HERB-6640</div><div>4°C</div><div>Nonylphenol-D7065</div><div>4°C</div><div>O&G-1664</div><div>HCl 4°C</div><div>OPP-1657</div><div>4°C</div><div>SVOA-625</div><div>4°C</div><div>VOA-624</div><div>4°C</div><div>Sub_CBURP-632</div><div>4°C</div><div>Sub_OCP-608.3</div><div>4°C</div><div>Sub_PCB-608.3</div><div>4°C</div><div>Alkalinity-2320</div><div>4°C</div><div>CBOD-5210</div><div>4°C</div><div>Chloride IC 300.0</div><div>4°C</div><div>CN AMEN-4500</div><div>NaOH 4°C</div><div>CN T-4500</div><div>NaOH 4°C</div><div>Conductivity-2510</div><div>4°C</div><div>Cr III ICPMS</div><div>[Group Analysis]</div><div>Cr VI-D 3500</div><div>Cr6+Buf 4°C</div><div>Fluoride IC 300.0</div><div>4°C</div></div>	

DO Field

768

Flow MGD Field

0.101

pH Field

7.55

Total Chlorine

4.00

Residual WW Field



CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
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(936) 321-6060 - lab@nwdls.com

TCEQ TX-C24-00185



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24G1325

(Continued)

Lab PM : Rebecca Rabon		Project Name : Generation Park - NP - Permit Renewal 2024		Schedule Comments:		
Inframark Dana Angelos 32259 Morton Road Brookshire, TX 77423 Phone: (346) 570-4055		Project Comments: 3850 FT SWof Lockwood Road & BW8 - Hou 77044 Gate 1515 Kaleb Weaver 281-770-8842 DO reading must be recorded before 9am If CL2 not between 1.0 - 4.0 Call Office, unless Dechlor plant <.1				
		08/45		R Glass Wide 1L w/ Teflon-lined Lid HCl pH <2 S Glass Wide 1L w/ Teflon-lined Lid HCl pH <2 T Amber Glass 1L w/ Teflon-lined Lid U Amber Glass 1L w/ Teflon-lined Lid V Amber Glass 1L w/ Teflon-lined Lid W Amber Glass 1L w/ Teflon-lined Lid X Amber Glass 1L w/ Teflon-lined Lid Y Amber Glass 1L w/ Teflon-lined Lid Z Amber Glass 1L w/ Teflon-lined Lid	LPR Anions NH3-N SEAL-350.1 Nitrate as N IC 300.0 Nitrite as N IC 300.0 Sulfate IC 300.0 TDS-2540 TKN T-4500 C Total Phosphorus-365.1- H2SO4 4°C TSS-2540	[Group Analysis] H2SO4 4°C 4°C 4°C 4°C 4°C H2SO4 4°C 4°C

Field Remarks:		Lab Preservation: H2SO4 HNO3 NaOH Other: _____			
		(Circle and Write ID Below)			
Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time	
Print Name	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time	
Affiliation	Relinquished To Lab By: (Signature)	Date/Time 14:00 7/2/24	Received for Laboratory By: (Signature)	Date/Time 7.2.24	
Custody Seal : Yes / No	COC Labels Agree: Yes / No	Appropriate Volume: Yes / No	Received on Ice: Yes / No	Temperature: _____ °C	
Container Intact : Yes / No	Appropriate Containers: Yes / No	Coolers Intact: Yes / No	Samples Accepted: Yes / No	Thermometer ID: _____	

Channel View

wko_NWDLs_COC_LS Revision 4.1 Effective: 2/17/2022



CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com

TCEQ TX-C24-00185



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24G2012

Lab PM : Rebecca Rabon	Project Name : Generation Park - NP - Permit Renewal Recollect		Schedule Comments:
Inframark Dana Angelos 32259 Morton Road Brookshire, TX 77423 Phone: (346) 570-4055	Project Comments: 3850 FT SW of Lockwood Road & BW8 - Houston 77044 Gate 1515 Kaleb Weaver 281-770-8842		

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation		Field Results
24G2012-01	Outfall 001		7/5/2024 / 0710	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631	BrCl	
24G2012-02	18 Mohm DI		7/5/2024 / 0715	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631	BrCl	

Field Remarks:		Lab Preservation: H2SO4 HNO3 NaOH Other: _____			
		(Circle and Write ID Below)			
Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time	
Print Name Andrew Rodriguez	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time	
Affiliation NWDLS	Relinquished To Lab By: (Signature)	Date/Time 7-5-24/1235	Received for Laboratory By: (Signature)	Date/Time 7-5-24/1235	
Custody Seal : Yes / No	COC Labels Agree: Yes / No	Appropriate Volume: Yes / No	Received on Ice: Yes / No	Temperature: _____ °C	
Container Intact : Yes / No	Appropriate Containers: Yes / No	Coolers Intact: Yes / No	Samples Accepted: Yes / No	Thermometer ID: _____	

Channel View

wko_NWDLS_COC_LS Revision 4.1 Effective: 2/17/2022



SUBCONTRACT ORDER

Sending Laboratory:

North Water District Laboratory Services, Inc.
130 South Trade Center Parkway
Conroe, TX 77385
Phone: 936-321-6060
Fax: 936-321-6061

Project Manager: Rebecca Rabon

Subcontracted Laboratory:

A & B Labs
10100 East Freeway, Suite 100
Houston, TX 77029
Phone: (713) 453-6060
Fax: (713) 453-6091

Work Order: 24G1325

Analysis	Due	Expires	Comments
----------	-----	---------	----------

Sample ID: 24G1325-01 Waste Water Sampled: 07/02/2024 08:45

Sub_OCP-608.3 07/16/2024 07/09/2024 08:45

Analyte(s):

2,4,5,6-Tetrachloro-m-xylene-surr
4,4'-DDT
beta-BHC (beta-Hexachlorocyclohexane)
cis-Chlordane (alpha-Chlordane)
Dicofol
Endosulfan II
Endrin aldehyde
gamma-Chlordane
Methoxychlor

4,4'-DDD
Aldrin
Chlordane (Tech.)
Decachlorobiphenyl-surr
Dieldrin
Endosulfan sulfate
Endrin ketone
Heptachlor
Mirex

4,4'-DDE
alpha-BHC (alpha-Hexachlorocyclohexane)
Chlordane (Total)
delta-BHC
Endosulfan I
Endrin
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)
Heptachlor epoxide
Toxaphene (Chlorinated Camphene)

Sub_PCB-608.3 07/16/2024 06/27/2025 08:45

Analyte(s):

2,4,5,6-Tetrachloro-m-xylene-surr
Aroclor-1232 (PCB-1232)
Aroclor-1254 (PCB-1254)
PCBs, Total

Aroclor-1016 (PCB-1016)
Aroclor-1242 (PCB-1242)
Aroclor-1260 (PCB-1260)

Aroclor-1221 (PCB-1221)
Aroclor-1248 (PCB-1248)
Decachlorobiphenyl-surr

Containers Supplied:

Released By

Date

Received By

Date

Laboratory Analysis Report

Total Number of Pages: 9

Job ID : 24070503



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

Client Project Name : 24G1325

Report To : Client Name: NWDLS P.O.#.: 24G1325
Attn: Rebecca Rabon Sample Collected By:
Client Address: 130 S Trade Center Pkwy Date Collected: 07/02/24
City, State, Zip: Conroe, Texas, 77385

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

Client Sample ID	Matrix	A&B Sample ID
24G1325-01	Waste Water	24070503.01

A handwritten signature in black ink, appearing to read 'S. C. W. K.'.

Released By: Senthilkumar Sevukan
Title: Vice President Operations
Date: 7/12/2024



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

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

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Results apply to the sample as received. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client. Soil samples are reported on a wet weight basis unless otherwise noted. Uncertainty estimates are available on request.

ab-q210-0321

Date Received : 07/05/2024 11:56

LABORATORY TERM AND QUALIFIER DEFINITION REPORT



Job ID : 24070503

Date: 7/12/2024

General Term Definition

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

Qualifier Definition

M2	Matrix Spike and/or Matrix Spike Duplicate recovery is below laboratory control limits due to matrix interference.
S6	Surrogate recovery is outside control limits due to matrix effects.
U	Undetected at SDL (Sample Detection Limit).



LABORATORY TEST RESULTS

Job ID : 24070503

Date 7/12/2024

Client Name: NWDLS

Attn: Rebecca Rabon

Project Name: 24G1325

Client Sample ID: 24G1325-01

Job Sample ID: 24070503.01

Date Collected: 07/02/24

Sample Matrix Waste Water

Time Collected: 08:45

% Moisture

Other Information:

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
EPA 608.3	Polychlorinated Biphenyls									
	Aroclor 1016	<0.03	ug/L	1.00	0.03	0.0500		U	07/09/24 16:11	MQ
	Aroclor 1221	<0.03	ug/L	1.00	0.03	0.0500		U	07/09/24 16:11	MQ
	Aroclor 1232	<0.03	ug/L	1.00	0.03	0.0500		U	07/09/24 16:11	MQ
	Aroclor 1242	<0.03	ug/L	1.00	0.03	0.0500		U	07/09/24 16:11	MQ
	Aroclor 1248	<0.03	ug/L	1.00	0.03	0.0500		U	07/09/24 16:11	MQ
	Aroclor 1254	<0.03	ug/L	1.00	0.03	0.0500		U	07/09/24 16:11	MQ
	Aroclor 1260	<0.03	ug/L	1.00	0.03	0.0500		U	07/09/24 16:11	MQ
	Total PCBs	<0.03	ug/L	1.00	0.03	0.0500		U	07/09/24 16:11	MQ
	Decachlorobiphenyl(surr)	59.5	%	1.00		35-129			07/09/24 16:11	MQ
	Tetrachloro-m-xylene(surr)	175	%	1.00		27-127		S6	07/09/24 16:11	MQ
EPA 608.3	Organochlorine Pesticides									
	Alpha-chlordane	<0.004	ug/L	1.00	0.004	0.010		U	07/09/24 20:28	MQ
	Dicofol ²	<0.050	ug/L	1.00	0.050	0.050		U	07/09/24 20:28	MQ
	Gamma-chlordane	<0.004	ug/L	1.00	0.004	0.010		U	07/09/24 20:28	MQ
	4,4-DDD	<0.002	ug/L	1.00	0.002	0.010		U	07/09/24 20:28	MQ
	4,4-DDE	<0.009	ug/L	1.00	0.009	0.010		U	07/09/24 20:28	MQ
	4,4-DDT	<0.004	ug/L	1.00	0.004	0.010		U	07/09/24 20:28	MQ
	a-BHC	<0.003	ug/L	1.00	0.003	0.010		U	07/09/24 20:28	MQ
	Aldrin	<0.004	ug/L	1.00	0.004	0.010		U	07/09/24 20:28	MQ
	b-BHC	<0.004	ug/L	1.00	0.004	0.010		U	07/09/24 20:28	MQ
	Chlordane	<0.100	ug/L	1.00	0.100	0.100		U	07/09/24 20:28	MQ
	d-BHC	<0.006	ug/L	1.00	0.006	0.010		U	07/09/24 20:28	MQ
	Dieldrin	<0.005	ug/L	1.00	0.005	0.010		U	07/09/24 20:28	MQ
	Endosulfan I	<0.007	ug/L	1.00	0.007	0.010		U	07/09/24 20:28	MQ
	Endosulfan II	<0.004	ug/L	1.00	0.004	0.010		U	07/09/24 20:28	MQ
	Endosulfan sulfate	<0.005	ug/L	1.00	0.005	0.010		U	07/09/24 20:28	MQ
	Endrin	<0.004	ug/L	1.00	0.004	0.010		U	07/09/24 20:28	MQ
	Endrin aldehyde	<0.003	ug/L	1.00	0.003	0.010		U	07/09/24 20:28	MQ
	Endrin ketone	<0.004	ug/L	1.00	0.004	0.010		U	07/09/24 20:28	MQ
	g-BHC	<0.004	ug/L	1.00	0.004	0.010		U	07/09/24 20:28	MQ
	Heptachlor	<0.004	ug/L	1.00	0.004	0.010		U	07/09/24 20:28	MQ
	Heptachlor epoxide	<0.004	ug/L	1.00	0.004	0.010		U	07/09/24 20:28	MQ
	Methoxychlor	<0.003	ug/L	1.00	0.003	0.010		U	07/09/24 20:28	MQ
	Mirex ²	<0.010	ug/L	1.00	0.010	0.010		U	07/09/24 20:28	MQ
	Toxaphene	<0.100	ug/L	1.00	0.100	0.100		U	07/09/24 20:28	MQ

ab-q212-0321



LABORATORY TEST RESULTS

Job ID : 24070503

Date 7/12/2024

Client Name: NWDLS

Attn: Rebecca Rabon

Project Name: 24G1325

Client Sample ID: 24G1325-01

Job Sample ID: 24070503.01

Date Collected: 07/02/24

Sample Matrix Waste Water

Time Collected: 08:45

% Moisture

Other Information:

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
EPA 608.3	Organochlorine Pesticides									
	Decachlorobiphenyl(surr)	26.8	%	1.00		34-120		S6	07/09/24 20:28	MQ
	Tetrachloro-m-xylene(surr)	77.5	%	1.00		24-127			07/09/24 20:28	MQ

ab-q212-0321

²-Parameter not available for accreditation.

QUALITY CONTROL CERTIFICATE



Job ID : 24070503

Date : 7/12/2024

Analysis : Polychlorinated Biphenyls

Method : EPA 608.3

Reporting Units : ug/L

QC Batch ID : Qb24071072

Created Date : 07/09/24

Created By : mqiao

Samples in This QC Batch : 24070503.01

Extraction : PB24070805

Prep Method : EPA 608.3

Prep Date : 07/08/24 09:00 Prep By : MMuteen

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Aroclor 1016	12674-11-2	< MDL	ug/L	1.00	0.05	0.025		
Aroclor 1221	11104-28-2	< MDL	ug/L	1.00	0.05	0.026		
Aroclor 1232	11141-16-5	< MDL	ug/L	1.00	0.05	0.026		
Aroclor 1242	53469-21-9	< MDL	ug/L	1.00	0.05	0.026		
Aroclor 1248	12672-29-6	< MDL	ug/L	1.00	0.05	0.026		
Aroclor 1254	11097-69-1	< MDL	ug/L	1.00	0.05	0.026		
Aroclor 1260	11096-82-5	< MDL	ug/L	1.00	0.05	0.026		
Total PCBs		< MDL	ug/L	1.00	0.05	0.026		
Decachlorobiphenyl(surr)	2051-24-3	107	%	1.00				
Tetrachloro-m-xylene(surr)	877-09-8	93.5	%	1.00				

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Aroclor 1016	2	1.84	92.1	2	1.85	92.6	0.5	30	53.7-124	
Aroclor 1260	2	1.69	84.4	2	1.69	84.5	0.2	30	51.7-130	
Total PCBs	4	3.53	88.2	4	3.54	88.6	0.3	30	51.7-130	

QC Type: MS and MSD

QC Sample ID: 24070503.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Aroclor 1016	BRL	2	1.90	95.1						53.7-124	
Aroclor 1260	BRL	2	1.35	67.5						51.7-130	
Total PCBs	BRL	4	3.25	81.3						51.7-130	

QUALITY CONTROL CERTIFICATE



Job ID : 24070503

Date : 7/12/2024

Analysis : Organochlorine Pesticides

Method : EPA 608.3

Reporting Units : ug/L

QC Batch ID : Qb24071161

Created Date : 07/09/24

Created By : mqiao

Samples in This QC Batch : 24070503.01

Extraction : PB24070806

Prep Method : EPA 608.3

Prep Date : 07/08/24 09:00 Prep By : MMuteen

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL	Qual
Alpha-chlordane	5103-71-9	< MDL	ug/L	1.00	0.01	0.004	
Dicofol	115-32-2	< MDL	ug/L	1.00	0.05	0.05	
Gamma-chlordane	5103-74-2	< MDL	ug/L	1.00	0.01	0.004	
4,4-DDD	72-54-8	< MDL	ug/L	1.00	0.01	0.002	
4,4-DDE	72-55-9	< MDL	ug/L	1.00	0.01	0.009	
4,4-DDT	50-29-3	< MDL	ug/L	1.00	0.01	0.004	
a-BHC	319-84-6	< MDL	ug/L	1.00	0.01	0.003	
Aldrin	309-00-2	< MDL	ug/L	1.00	0.01	0.004	
b-BHC	319-85-7	< MDL	ug/L	1.00	0.01	0.004	
Chlordane	57-74-9	< MDL	ug/L	1.00	0.1	0.1	
d-BHC	319-86-8	< MDL	ug/L	1.00	0.01	0.006	
Dieldrin	60-57-1	< MDL	ug/L	1.00	0.01	0.005	
Endosulfan I	959-98-8	< MDL	ug/L	1.00	0.01	0.007	
Endosulfan II	33213-65-9	< MDL	ug/L	1.00	0.01	0.004	
Endosulfan sulfate	1031-07-8	< MDL	ug/L	1.00	0.01	0.005	
Endrin	72-20-8	< MDL	ug/L	1.00	0.01	0.004	
Endrin aldehyde	7421-93-4	< MDL	ug/L	1.00	0.01	0.003	
Endrin ketone	53494-70-5	< MDL	ug/L	1.00	0.01	0.004	
g-BHC	58-89-9	< MDL	ug/L	1.00	0.01	0.004	
Heptachlor	76-44-8	< MDL	ug/L	1.00	0.01	0.004	
Heptachlor epoxide	1024-57-3	< MDL	ug/L	1.00	0.01	0.004	
Methoxychlor	72-43-5	< MDL	ug/L	1.00	0.01	0.003	
Mirex	2385-85-5	< MDL	ug/L	1.00	0.01	0.01	
Toxaphene	8001-35-2	< MDL	ug/L	1.00	0.1	0.1	
Tetrachloro-m-xylene(surr)	877-09-8	96.5	%	1.00			
Decachlorobiphenyl(surr)	2051-24-3	113	%	1.00			

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Alpha-chlordane	0.2	0.228	114	0.2	0.204	102	10.9	23	42-132	
Gamma-chlordane	0.2	0.210	105	0.2	0.188	94.3	11.1	21	45-133	
4,4-DDD	0.2	0.214	107	0.2	0.211	106	1.6	24	40.8-141	
4,4-DDE	0.2	0.158	79.3	0.2	0.178	88.8	11.6	21	30-136	
4,4-DDT	0.2	0.192	96	0.2	0.197	98.5	2.6	30	34.3-134	
a-BHC	0.2	0.206	103	0.2	0.194	97.3	6.2	25	37-125	
Aldrin	0.2	0.222	111	0.2	0.197	98.5	11.7	23	42-127	

ab-q213-0321

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE



Job ID : 24070503

Date : 7/12/2024

Analysis : Organochlorine Pesticides

Method : EPA 608.3

Reporting Units : ug/L

QC Batch ID : Qb24071161

Created Date : 07/09/24

Created By : mqiao

Samples in This QC Batch : 24070503.01

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
b-BHC	0.2	0.220	110	0.2	0.208	104	5.4	24	38.5-132	
d-BHC	0.2	0.216	108	0.2	0.216	108	0	20	30-139	
Dieldrin	0.2	0.232	116	0.2	0.206	103	11.7	21	40.7-133	
Endosulfan I	0.2	0.212	106	0.2	0.208	104	1.7	24	45-124	
Endosulfan II	0.2	0.168	83.8	0.2	0.165	82.5	1.5	21	20-114	
Endosulfan sulfate	0.2	0.206	103	0.2	0.202	101	1.7	20	45-131	
Endrin	0.2	0.215	108	0.2	0.198	99	8.2	24	35.1-136	
Endrin aldehyde	0.2	0.208	104	0.2	0.194	96.8	7.2	33	33.9-130	
Endrin ketone	0.2	0.196	97.8	0.2	0.194	97.3	0.8	20	32.3-136	
g-BHC	0.2	0.204	102	0.2	0.201	101	1.2	25	39-132	
Heptachlor	0.2	0.205	103	0.2	0.195	97.5	5	20	34.6-134	
Heptachlor epoxide	0.2	0.215	108	0.2	0.191	95.5	11.8	24	39.2-132	
Methoxychlor	0.2	0.204	102	0.2	0.208	104	1.9	24	37.7-143	

QC Type: MS and MSD

QC Sample ID: 24070503.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Alpha-chlordane	BRL	0.2	0.104	52						45-140	
Gamma-chlordane	BRL	0.2	0.0905	45.3						45-150	
4,4-DDD	BRL	0.2	0.130	65.3						31-141	
4,4-DDE	BRL	0.2	0.0685	34.3						30-145	
4,4-DDT	BRL	0.2	0.0745	37.3						25-160	
a-BHC	BRL	0.2	0.194	97.3						37-140	
Aldrin	BRL	0.2	0.120	59.8						42-140	
b-BHC	BRL	0.2	0.188	93.8						17-147	
Dieldrin	BRL	0.2	0.116	57.8						36-146	
Endosulfan I	BRL	0.2	0.0840	42						45-153	M2
Endosulfan II	BRL	0.2	0.0910	45.5						10-190	
Endosulfan sulfate	BRL	0.2	0.101	50.5						26-144	
Endrin	BRL	0.2	0.120	60.3						30-147	
Endrin aldehyde	BRL	0.2	0.0745	37.3						60-140	M2
Endrin ketone	BRL	0.2	0.104	51.8						60-140	M2
g-BHC	BRL	0.2	0.144	71.8						32-140	
Heptachlor	BRL	0.2	0.0810	40.5						34-140	
Heptachlor epoxide	BRL	0.2	0.121	60.5						37-142	
Methoxychlor	BRL	0.2	0.202	101						60-140	

ab-q213-0321

Refer to the Definition page for terms.



SUBCONTRACT ORDER

Sending Laboratory:

North Water District Laboratory Services, Inc.
130 South Trade Center Parkway
Conroe, TX 77385
Phone: 936-321-6060
Fax: 936-321-6061

Project Manager: Rebecca Rabon

Subcontracted Laboratory:

A & B Labs
10100 East Freeway, Suite 100
Houston, TX 77029
Phone: (713) 453-6060
Fax: (713) 453-6091

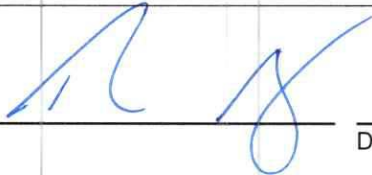
Work Order: 24G1325

Analysis	Due	Expires	Comments
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Sample ID: 24G1325-01 Waste Water Sampled: 07/02/2024 08:45

Sub_OCP-608.3	07/16/2024	07/09/2024 08:45	
<i>Analyte(s):</i>			
2,4,5,6 Tetrachloro-m-xylene-surr	4,4'-DDD	4,4'-DDE	01AD
4,4'-DDT	Aldrin	alpha-BHC (alpha-Hexachlorocyclohexane)	
beta-BHC (beta-Hexachlorocyclohexane)	Chlordane (Tech.)	Chlordane (Total)	
cis-Chlordane (alpha-Chlordane)	Decachlorobiphenyl-surr	delta-BHC	
Dicofol	Dieldrin	Endosulfan I	
Endosulfan II	Endosulfan sulfate	Endrin	
Endrin aldehyde	Endrin ketone	gamma-BHC (Lindane, gamma-Hexachlorocyclo)	
gamma-Chlordane	Heptachlor	Heptachlor epoxide	
Methoxychlor	Mirex	Toxaphene (Chlorinated Camphene)	
Sub_PCB-608.3	07/16/2024	06/27/2025 08:45	
<i>Analyte(s):</i>			
2,4,5,6 Tetrachloro-m-xylene-surr	Aroclor-1016 (PCB-1016)	Aroclor-1221 (PCB-1221)	
Aroclor-1232 (PCB-1232)	Aroclor-1242 (PCB-1242)	Aroclor-1248 (PCB-1248)	
Aroclor-1254 (PCB-1254)	Aroclor-1260 (PCB-1260)	Decachlorobiphenyl-surr	
PCBs, Total			

Containers Supplied:

Released By  Date 7-5-24 1156 Received By Meg C Date 7/5/24 1156

12.6°C 127 MC

Job ID:24070503



07/05/2024

NWDLS

AMS



Sample Condition Checklist

A&B JobID : 24070503	Date Received : 07/05/2024	Time Received : 11:56AM		
Client Name : NWDLS				
Temperature : 12.6°C	Sample pH : NA			
Thermometer ID : IR7	pH Paper ID : NA			
Perservative :	Lot# :			
	Check Points	Yes No N/A		
1.	Cooler Seal present and signed.		X	
2.	Sample(s) in a cooler.	X		
3.	If yes, ice in cooler.		X	
4.	Sample(s) received with chain-of-custody.	X		
5.	C-O-C signed and dated.	X		
6.	Sample(s) received with signed sample custody seal.		X	
7.	Sample containers arrived intact. (If No comment)	X		
8.	Matrix: Water <input checked="" type="checkbox"/> Soil <input type="checkbox"/> Liquid <input type="checkbox"/> Sludge <input type="checkbox"/> Solid <input type="checkbox"/> Cassette <input type="checkbox"/> Tube <input type="checkbox"/> Bulk <input type="checkbox"/> Badge <input type="checkbox"/> Food <input type="checkbox"/> Other <input type="checkbox"/>			
9.	Samples were received in appropriate container(s)	X		
10.	Sample(s) were received with Proper preservative			X
11.	All samples were tagged or labeled.	X		
12.	Sample ID labels match C-O-C ID's.	X		
13.	Bottle count on C-O-C matches bottles found.	X		
14.	Sample volume is sufficient for analyses requested.	X		
15.	Samples were received with in the hold time.	X		
16.	VOA vials completely filled.			X
17.	Sample accepted.	X		
18.	Has client been contacted about sub-out			X

Comments : Include actions taken to resolve discrepancies/problem:

Temp requirements not met. ~ANS 07/05/24

Brought by : Client
Received by : ASmith

Check in by/date : ASmith / 07/05/2024

ab-s005-1123



Project
1109473

NWDS-G

North Water District Laboratory
Deena McDaniel
130 S Trade Center Parkway
Suite:100
Conroe, TX 77385

Printed 07/17/2024
13:36

TABLE OF CONTENTS

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1109473_r03_03_ProjectResults	SPL Kilgore Project P:1109473 C:NWDS Project Results t:304 PO: #26201	2
1109473_r10_05_ProjectQC	SPL Kilgore Project P:1109473 C:NWDS Project Quality Control Groups	1
1109473_r99_09_CoC__1_of_1	SPL Kilgore CoC NWDS 1109473_1_of_1	2
Total Pages:		6





SAMPLE CROSS REFERENCE

Project
1109473

North Water District Laboratory
Deena McDaniel
130 S Trade Center Parkway
Suite:100
Conroe, TX 77385

Printed 7/17/2024 Page 1 of 1
ww

Sample	Sample ID	Taken	Time	Received
2313694	24G1325-01	07/02/2024	08:45:00	07/05/2024

Bottle 01 Client Supplied Amber Glass
Bottle 02 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1127382) Volume: 1.00000 mL <== Derived from 01 (967 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 632	02	1127382	07/08/2024	1128548	07/15/2024

Email: Kilgore.ProjectManagement@spllabs.com

2600 Dudley Rd. Kilgore, Texas 75662
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380
Office: 903-984-0551 * Fax: 903-984-5914



NWDS-G

North Water District Laboratory
Deena McDaniel
130 S Trade Center Parkway
Suite:100
Conroe, TX 77385

Page 1 of 2

Project
1109473

Printed: 07/17/2024

RESULTS

Sample Results

2313694 24G1325-01		Received: 07/05/2024	
Non-Potable Water	Collected by: Client	North Water District	PO: #26201
	Taken: 07/02/2024	08:45:00	
EPA 632			
Prepared: 1127382 07/08/2024 11:00:00 Analyzed 1128548 07/15/2024 21:42:00 BRU			
Parameter	Results	Units	RL
Carbaryl (Sevin)	<2.59	ug/L	2.59
Diuron	<0.0465	ug/L	0.0465

Sample Preparation

2313694		24G1325-01		Received:		07/05/2024	
						#26201	
		07/02/2024					
		Prepared:		07/05/2024		13:35:20	
		Calculated		07/05/2024		13:35:20	
Environmental Fee (per Project)		Verified					
		Prepared:		07/17/2024		13:09:00	
		Analyzed		07/17/2024		13:09:00	
Level IV Data Review		Completed					
EPA 632		Prepared:		1127382		07/08/2024	
		Analyzed		1127382		07/08/2024	
						11:00:00	
Liquid-Liquid Extr. W/Hex Ex		1/967		ml		01	
EPA 632		Prepared:		1127382		07/08/2024	
		Analyzed		1128548		07/15/2024	
						21:42:00	
Carbaryl/Diuron		Entered				02	



2600 Dudley Rd. Kilgore, Texas 75662
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380
Office: 903-984-0551 * Fax: 903-984-5914



NWDS-G

Page 2 of 2

North Water District Laboratory
Deena McDaniel
130 S Trade Center Parkway
Suite:100
Conroe, TX 77385

Project
1109473

Printed: 07/17/2024

Qualifiers:

We report results on an As Received (or Wet) basis unless marked Dry Weight.

Unless otherwise noted, testing was performed at SPL, Inc.- Kilgore laboratory which holds International, Federal, and state accreditations. Please see our Websites for details.

(N)ELAC - Covered in our NELAC scope of accreditation

z -- Not covered by our NELAC scope of accreditation

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of SPL Kilgore. Unless otherwise specified, these test results meet the requirements of NELAC.

RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.

Bill Peery, MS, VP Technical Services



Report Page 4 of 7

QUALITY CONTROL



Page 1 of 1

NWDS-G

North Water District Laboratory
Deena McDaniel
130 S Trade Center Parkway
Suite:100
Conroe, TX 77385

Project

1109473

Printed 07/17/2024

Analytical Set 1128548

EPA 632

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Carbaryl (Sevin)	1127382	ND	66.1	2500	ug/L	126550940
Diuron	1127382	281	44.4	45.0	ug/L	126550940

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Carbaryl (Sevin)	1000	1000	ug/L	100	70.0 - 130	126550939
Carbaryl (Sevin)	996	1000	ug/L	99.6	70.0 - 130	126550944
Carbaryl (Sevin)	1040	1000	ug/L	104	70.0 - 130	126550949
Diuron	953	1000	ug/L	95.3	70.0 - 130	126550939
Diuron	961	1000	ug/L	96.1	70.0 - 130	126550944
Diuron	948	1000	ug/L	94.8	70.0 - 130	126550949

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Carbaryl (Sevin)	1127382	706	873	1000	17.1 - 131	70.6	87.3	ug/L	21.2	30.0
Diuron	1127382	6.00	175	1000	0.100 - 138	0.600	17.5	ug/L	187 *	30.0

* Out RPD is Relative Percent Difference: $\text{abs}(r1-r2) / \text{mean}(r1,r2) * 100\%$

Recover% is Recovery Percent: $\text{result} / \text{known} * 100\%$

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); CCV - Continuing Calibration Verification (same standard used to prepare the curve; typically a mid-range concentration; verifies the continued validity of the calibration curve); LCS Dup - Laboratory Control Sample Duplicate (replicate LCS; analyzed when there is insufficient sample for duplicate or MSD; quantifies accuracy and precision.)

Email: Kilgore.ProjectManagement@spilabs.com



Report Page 5 of 7

1109473 CoC Print Group 001 of 001



SUBCONTRACT ORDER

Sending Laboratory:

North Water District Laboratory Services, Inc.
130 South Trade Center Parkway
Conroe, TX 77385
Phone: 936-321-6060
Fax: 936-321-6061

Project Manager: Rebecca Rabon

Subcontracted Laboratory:

SPL
2600 Dudley Rd
Kilgore, TX 75662
Phone: (903) 984-0551
Fax:

Work Order: 24G1325

Analysis	Due	Expires	Comments
----------	-----	---------	----------

Sample ID: 24G1325-01 Waste Water Sampled: 07/02/2024 08:45

Sub_CBURP-632 07/16/2024 07/09/2024 08:45

Analyte(s):

Carbaryl

Diuron

Containers Supplied:

Released By

AMA

Date

07.03.24

Received By

UPS

Date

07.03.24

UPS

7/5/24

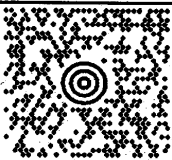



McGowan

7/5/24

1190

1100

1109473 CoC Print Group 001 of 001

CRAIG TODD 9363216060 NWDLS 130 S TRADE CENTER PKWY CONROE TX 77385		30 LBS	1 OF 1
SHIP TO: ANA-LAB 903-984-0551 ANA-LAB 2600 DUDLEY ROAD KILGORE TX 75662			
	TX 756 0-32 		
UPS NEXT DAY AIR			1
TRACKING #: 1Z 12W 40V 01 9784 8820			
			
BILLING: P/P			
Date: 7/6/21 1314		Tech: M. V. ✓	
Temp: Kelly C		C	
			

7/3/24, 8:25 AM

aboutblank

Therm#: 6205 Corr Fact: 0.5 C

ATTACHMENT NO. 14

**WASTEWATER TREATMENT CAPACITY LEASE AGREEMENT
BETWEEN GENERATION PARK MANAGEMENT DISTRICT AND
THE CITY OF HOUSTON, TEXAS**

4600016193
2020-0708

WASTEWATER TREATMENT CAPACITY LEASE AGREEMENT
BETWEEN GENERATION PARK MANAGEMENT DISTRICT AND
THE CITY OF HOUSTON, TEXAS

This WASTEWATER TREATMENT CAPACITY LEASE AGREEMENT (this "Agreement") is made and entered into as of the date countersigned by the City Controller, (the "Effective Date"), by and between GENERATION PARK MANAGEMENT DISTRICT ("GPMD"), a political subdivision of the State of Texas organized under Article XVI, Section 59 of the Constitution of the State of Texas and operating pursuant to and governed by the provisions of Chapter 3916, Texas Special Districts Local Laws Code, as amended (the "Act"), and the CITY OF HOUSTON (the "City"), a municipal corporation and home rule city of the State of Texas, principally situated in Harris County, acting by and through its City Council. GPMD and the City are each individually at times referred to herein as a "Party" and, collectively, as the "Parties."

RECITALS

A. The City owns and operates a surface water purification plant located on those certain 11.9829 acre and 226.9261 acre tracts of land more particularly described on Exhibit "A" attached hereto (collectively, the "NEWPP Tract") on which the City has constructed and is currently expanding its Northeast Water Purification Plant (the "NEWPP").

B. GPMD was created and organized for the purpose, among others, of protecting, preserving, and restoring the purity and sanitary condition of water within the State of Texas. The City, through its City Charter, was organized for the purpose, among others, of performing and rendering public services. GPMD, through the Act, and the City, through its Charter and its Code of Ordinances, are empowered to collect, transport, process, dispose of, and control

domestic and commercial wastes.

C. GPMD has: (i) constructed a system for the transportation, collection, and treatment of wastewater within its boundaries (together with any extensions thereof and additions thereto, the "GPMD System"), and (ii) engaged IDS Engineering Group, Inc. ("GPMD's Engineer") to provide professional engineering services relative to the GPMD System.

D. Pursuant to that certain Lease Agreement with Option to Purchase by and between GPMD and AUC Group, Inc. (the "Lessor"), dated as of May 31, 2019 (the "Lease"), GPMD currently leases and operates the wastewater treatment plant located 13140 Lockwood Road in Harris County, Texas (the "GPMD Plant") pursuant to Texas Pollutant Discharge Elimination System ("TPDES") Permit No. WQ0014625001 (as amended and/or renewed from time to time, the "GPMD Permit") issued by the Texas Commission on Environmental Quality (the "TCEQ").

E. The GPMD Plant is currently capable of treating 250,000 gallons per day ("gpd") of wastewater, average daily flow, and is currently being expanded to be able to treat 375,000 gpd of wastewater, average daily flow, upon completion of said expansion (the "Initial Maximum Plant Capacity").

F. GPMD currently has issued or anticipates issuing commitments for approximately 291,000 gpd of wastewater treatment capacity in the GPMD Plant (the "GPMD Capacity") to serve ongoing and projected development in the areas of Generation Park West and adjacent tracts within GPMD's jurisdictional boundaries prior to the completion of the Expansion Improvements (hereinafter defined).

G. The City has requested to lease capacity in the GPMD Plant sufficient to treat up to 102,000 gpd of wastewater from the NEWPP Tract beginning on April 1, 2022 (the "Initial City Capacity Requirements"), increasing to up to 141,000 gpd of wastewater from the NEWPP

Tract beginning on January 1, 2023 (the "Ultimate City Capacity Requirements"), and continuing until January 1, 2033. The period from April 1, 2022 until January 1, 2033 is referred to herein as the "Initial Term".

H. The City has further requested the option to extend the term of the lease for up to five (5) years beyond the Initial Term. If the City exercises such extension option in accordance with Section 8.2 hereof, the period of extension is referred to herein as the "Extended Term". The Initial Term and the Extended Term, if any, are collectively referred to herein as the "Service Period".

I. Subject to the terms and conditions hereof, from April 1, 2022 until December 31, 2022, GPMD will provide the City with up to 102,000 gpd of capacity in the GPMD Plant (the "Initial City Capacity") and the City will pay its pro rata share of the operation and maintenance expenses of the GPMD Plant during such period to GPMD based upon the Initial City Capacity.

J. Subject to the terms and conditions hereof, from January 1, 2023 until the end of the Service Period, GPMD will provide the City with up to 141,000 gpd of capacity in the GPMD Plant (the "Ultimate City Capacity") and the City will pay its pro rata share of the operation and maintenance expenses of the GPMD Plant during such period to GPMD based upon the Ultimate City Capacity.

K. The total capacity required from the GPMD Plant to provide the GPMD Capacity together with the Ultimate City Capacity (together, the "Combined Capacity") will exceed the Initial Maximum Plant Capacity, and, therefore, the construction of improvements (the "Expansion Improvements") required to expand the capacity of the GPMD Plant to allow it to treat up to 640,000 gpd (the "Expansion") is necessary to provide the Combined Capacity throughout the Service Period. An estimated scope of the Expansion Improvements is attached

hereto as **Exhibit "B"**.

I. In anticipation of the construction of the Expansion, GPMD will file an application for a minor amendment to the GPMD Permit (the "Minor Amendment") with the TCEQ to amend the GPMD Permit to add an interim phase, which will allow GPMD to treat 640,000 gpd at the GPMD Plant (the "Required Permitted Capacity").

M. In order to treat up to 141,000 gpd of wastewater generated from the NEWPP, the City will construct a system for the collection and transportation of wastewater (together with any extensions thereof and additions thereto, the "City System") capable of delivering Wastewater from the NEWPP Tract to the GPMD Plant.

N. The Parties desire to enter into this Agreement to provide that: (i) the Parties will cooperate in all discussions and take all actions necessary to obtain the permit amendments required to provide the Required Permitted Capacity to serve both Parties during the Service Period by means of the Expansion, (ii) subject to completion of the Expansion Improvements, GPMD will provide the City with: (a) the Initial City Capacity from April 1, 2022 until December 31, 2022, and (b) the Ultimate City Capacity from January 1, 2023 until the end of the Service Period, (iii) the Parties will cooperate to construct the Expansion Improvements, at the cost and expense of the City, to provide the Combined Capacity throughout the Service Period, (iv) the City shall have the option to extend the term of the lease beyond the Initial Term for a period not to exceed five (5) years and establish lease payments for the Extended Term, if any, and (v) the City will pay its pro rata share of the operation and maintenance expenses of the GPMD Plant during the Service Period.

O. GPMD and the City have each determined that: (i) this Agreement and the goods and services to be provided hereunder substantially advance the legitimate interests and public

purposes of GPMD and the City, and (ii) GPMD and the City are authorized to enter into this Agreement pursuant to the Constitution and laws of the State of Texas.

AGREEMENT

NOW, THEREFORE, for and in consideration of these premises and the mutual agreements, covenants, benefits, and obligations set forth and contained herein, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties contract and agree as follows:

ARTICLE I

RECITALS; INTERPRETATION; PREPARATION

Section 1.1 Recitals. The recitals set forth above are declared true and correct and are hereby incorporated as part of this Agreement for all purposes.

Section 1.2 Titles, Headings, and Exhibits.

1.2.1 The titles, headings, and captions appearing in the articles of this Agreement and following each numbered section of this Agreement are inserted and included solely for convenience and shall never be considered or given any effect in construing this Agreement, or any provisions hereof, or in connection with the duties, obligations, or liabilities of the respective Parties hereto or in ascertaining intent, if any questions of intent should arise.

1.2.2 The exhibits attached hereto are incorporated as part of this Agreement for all purposes.

Section 1.3 Interpretation of Agreement.

1.3.1 This Agreement and all terms and provisions hereof shall be liberally

construed to effectuate the purposes set forth herein and to sustain the validity of this Agreement.

1.3.2 Unless the context requires otherwise, words of the masculine gender shall be construed to include correlative words of the feminine and neuter genders and *vice versa*, and words of the singular number shall be construed to include correlative words of the plural number and *vice versa*. The word "include," and any of its derivatives, shall be interpreted as language of example and not of limitation, and shall be deemed to be followed by the words "without limitation," unless otherwise expressly provided herein. The word "shall" is mandatory and the word "may" is permissive.

1.3.3 The Parties agree that this Agreement shall not be construed in favor of or against a Party on the basis that the Party did or did not author this Agreement.

Section 1.4 Authorized Representatives. Upon the Effective Date of this Contract, the Authorized Representatives of the Parties to this Agreement shall be as designated in Article V hereof, entitled "Addresses; Notices; Approvals and Consents".

Section 1.5 Preparation Costs. The City shall pay to GPMD all attorneys' fees and engineering fees incurred by GPMD in connection with the preparation of this Agreement (the "Preparation Costs") within thirty (30) days upon receipt of an invoice or statement for same.

ARTICLE II WASTE DISCHARGE PERMIT

Section 2.1 Cooperation. The Parties, in accordance with the terms and conditions of this Article II, shall use all reasonable efforts and take all actions reasonably necessary to cooperate in the preparation and submission of all TPDES permit amendments, including the Minor Amendment, required to: (i) provide the Required Permitted Capacity for the GPMD Plant

to ensure provision of the Combined Capacity throughout the Service Period by means of the Expansion, and (ii) otherwise fulfill the purposes of this Agreement.

Section 2.2 Costs and Expenses. The costs and expenses of all actions required by this Article II, including the costs and expenses of the preparation and submission to the TCEQ of applications for the Minor Amendment, as well as any other required permits, permit amendments, or regulatory approvals necessary to provide the Combined Capacity throughout the Service Period, shall be paid by the City, either directly or through reimbursement to GPMD for same.

Section 2.3 Minor Amendment. As soon as reasonably practicable, GPMD shall submit an application to the TCEQ for the Minor Amendment. The application for the Minor Amendment shall be prepared by GPMD's Engineer. As between the Parties, GPMD shall be responsible for obtaining all required permits for the operation of the GPMD Plant and achieving compliance with any state or federal law, and any permits, rules, orders, or regulations issued or adopted from time to time by regulatory authorities having jurisdiction relating to the operation of the GPMD Plant, subject to the provisions of this Article II. Subject to the City's timely compliance with its requirements and obligations set forth herein, GPMD shall use reasonable efforts to timely obtain all regulatory approvals in order to effectuate this Agreement and to provide waste disposal service to the City as specified herein.

Section 2.4 Upgrades to the GPMD Plant. The Parties shall cooperate in connection with all requirements related to the GPMD Permit relative to the GPMD Plant. Any modifications or upgrades to the GPMD Plant to allow it to operate within the requirements of the GPMD Permit during the Service Period, whether such upgrades must be made before or during the Service Period in order to provide any or all of the Initial City Capacity or the

Ultimate City Capacity, shall be at the sole cost and expense of the City.

ARTICLE III
LEASE OF WASTE DISPOSAL CAPACITY; REQUIREMENTS; AND PAYMENTS

Section 3.1 Capacity. Pursuant to the terms and conditions of this Article III, GPMD shall provide: (i) the Initial City Capacity in the GPMD Plant to the City from April 1, 2022 until December 31, 2022, and (ii) the Ultimate City Capacity in the GPMD Plant to the City from January 1, 2023 until the end of the Service Period. Notwithstanding anything to the contrary herein, the Parties acknowledge and agree that GPMD's ability, and, therefore, its obligation, to provide the Initial City Capacity and the Ultimate City Capacity is dependent upon the timely completion of the Expansion Improvements. In no event shall the City be entitled to the Initial City Capacity or the Ultimate City Capacity until the Expansion Improvements are complete and the Minor Amendment is obtained.

Section 3.2 Point of Discharge. The point of discharge of wastewater from the City System to the GPMD Plant (the "Point of Discharge") shall be determined by the City, subject to the approval of GPMD's Engineer.

Section 3.3 Title to and Responsibility for Wastewater. Title to and possession and control of wastewater shall remain with the City until it passes through the Point of Discharge, where title to and possession and control of such wastewater shall pass from the City to GPMD.

Section 3.4 Responsibilities of the Parties.

3.4.1 GPMD shall be solely responsible for the operation of the GPMD Plant in accordance with the Regulatory Requirements (defined in Section 3.5) during the Service Period.

3.4.2 GPMD shall have no responsibility or liability arising out of the operation

or maintenance of the City System or any other facilities constructed by the City to collect and transport wastewater from the NEWPP Tract to the Point of Discharge.

3.4.3 The City shall be responsible for any and all claims, penalties, fines, liabilities, or judgments arising out of or related to its discharge of wastewater from the City System to the Point of Discharge and the treatment of such wastewater by the GPMD Plant during the Service Period, including, fines or penalties for violations or alleged violations of the GPMD Permit (to the extent such claims, penalties, fines, liabilities, or judgments can be determined to be arising out of or related to the discharge of wastewater from the City System to the Point of Discharge).

3.4.4 The City shall be responsible, at its cost, for installing a meter (the "Meter") at the Point of Discharge (or such other location on the City System which has been approved by GPMD's Engineer) and shall be responsible for arranging for the annual testing and, if necessary, repair or replacement of the Meter such that it measures the amount of wastewater flowing through the Point of Discharge within a range of accuracy of 98% to 102%. The City shall provide the District with a copy of the annual Meter testing report by February 1st of each calendar year within the Service Period. Upon the expiration of the term of this Agreement or its earlier termination in accordance with the terms hereof, the City shall have sole ownership and may remove the Meter.

Section 3.5 Quality of Wastewater. The wastewater transported through the City System to the Point of Discharge for treatment at the GPMD Plant shall comply with all applicable requirements and provisions of any state or federal law, and any permits, rules, orders, or regulations issued or adopted from time to time by any state, federal, local, or other regulatory

authority having jurisdiction, including GPMD, concerning: (i) wastewater collection and treatment, (ii) wastewater quality and condition, including any industrial waste pretreatment requirements, or (iii) the design and construction of the GPMD System and the City System (the "Regulatory Requirements"). GPMD shall not be obligated to accept wastewater from the City which does not comply with the requirements of this Section 3.5.

Section 3.6 Design and Construction of the Expansion Improvements Generally.

3.6.1 Upon completion of construction, the Expansion Improvements shall become a part of the GPMD Plant.

3.6.2 As among the Parties, GPMD shall be responsible for the design and construction of the Expansion Improvements. The Expansion Improvements shall be constructed, and all equipment, materials, and supplies required in connection with the construction of the Expansion Improvements shall be acquired, in the name of GPMD or the Lessor, as applicable. The Expansion Improvements shall be installed, construction contracts shall be awarded, and payment and performance bonds obtained in the name of GPMD and in accordance with the Act, and in full compliance with the rules and regulations of the Texas Commission on Environmental Quality (the "TCEQ"), and any other agencies having jurisdiction.

3.6.3 To the extent necessary, GPMD shall enter into an amendment to the Lease to account for the construction, installation and incorporation of the Expansion Improvements (the "Amendment").

Section 3.7 Expansion Improvement Costs.

3.7.1 The City shall pay for all of the costs of the design and construction of the Expansion Improvements, including the costs of the Amendment (if necessary), (the "Expansion Improvement Costs") pursuant to the terms and conditions of this Article III.

3.7.2 The City shall be responsible for depositing the Escrowed Amount (defined in Section 3.9.4 below) into escrow with GPMD such that GPMD may fund the design and construction of the Expansion Improvements. GPMD shall place the Escrowed Amount into a special account of GPMD (the "Escrow Account"), kept separate from all other accounts and funds of GPMD, and administered pursuant to Section 3.10 of this Agreement.

Section 3.8 Design of the Expansion Improvements. Within thirty (30) days of the Effective Date, GPMD's Engineer shall provide a good faith estimate of the cost of the engineering design component of the Expansion Improvement Costs and, if necessary, the Amendment (the "Design and Amendment Estimate") to the City. Within thirty (30) days of receipt of the Design and Amendment Estimate, the City shall escrow the full amount of the Design and Amendment Estimate with GPMD (the "Initial Deposit"). Upon receipt of the Initial Deposit, GPMD shall, as soon as reasonably practicable, enter into the Amendment (if necessary) and, immediately thereafter, instruct GPMD's Engineer to commence design of plans and preparation of specifications for the construction of the Expansion Improvements (the "Plans"). Upon completion of the Plans, GPMD shall cause GPMD's Engineer to submit the Plans to the City for review and approval. The City shall review and approve the Plans as quickly as possible, but in no event later than thirty (30) days following of its receipt of same.

Section 3.9 Construction of the Expansion Improvements.

3.9.1 Within thirty (30) days after the Plans have been approved by the City and

all regulatory agencies with jurisdiction, GPMD shall advertise the construction of the Expansion Improvements for bids and shall cause GPMD's Engineer to recommend an award. The Parties agree that early completion incentives in the bid specifications for the Expansion Improvements and the Construction Contract (hereinafter defined) if GPMD's Engineer reasonably determines same is necessary or appropriate in connection with the anticipated project completion dates contemplated herein.

3.9.2 Subject to GPMD's receipt of the Construction Contract Amount from the City in accordance with Section 3.9.4, award of the construction contract for the Expansion Improvements (the "Construction Contract") shall be approved by the Board of Directors of GPMD (the "Board").

3.9.3 GPMD expressly reserves the right to complete the construction of the Expansion Improvements under a contract that may additionally provide for the construction of other water, sanitary sewer, and drainage facilities, recreational facilities and/or paving improvements (the "Other Improvements"); provided, however, in such case: (i) the City shall not be responsible for the cost of design or construction of the Other Improvements, and (ii) general costs of contracting (such as advertising, mobilization, cost of payment and performance bonds) shall be apportioned between GPMD and the City based upon the relative percentages of the Expansion Improvements and the Other Improvements.

3.9.4 Within five (5) business days of opening bids for the construction of the Expansion Improvements, GPMD shall provide to the City a bid tabulation and GPMD's Engineer's recommendation of award of the Construction Contract. Within thirty (30) days of the City's receipt of the bid tabulation and recommendation of award, the City shall escrow with GPMD the amount of the Construction Contract (or portion thereof in accordance with Section

3.9.3 above), plus a contingency in the amount of five percent (5%) thereof (the "Construction Contract Amount," and together with the Initial Deposit and any Supplemental Deposits (defined in Section 3.10.2 below), the "Escrowed Amount"). GPMD shall be under no obligation to award the Construction Contract until the Construction Contract Amount is received from the City.

3.9.5 GPMD's Engineer shall act as project engineer and recommend approvals of pay estimates and change orders to GPMD, which pay estimates and change orders will be subject to approval by the GPMD Board. GPMD shall take all appropriate actions to ensure that the Expansion Improvements are constructed in a good and workmanlike manner with all reasonable diligence.

3.9.6 Upon the date GPMD's Engineer issues a Certificate of Completion relative to the Expansion Improvements (the "Expansion Improvements Completion Date"), GPMD shall own the Expansion Improvements for all purposes, and the City shall have no interest in any portion of the GPMD Plant, including the Expansion Improvements, except the right of use of the Initial City Capacity and Ultimate City Capacity during the Service Period. Upon request, the City shall execute and deliver to GPMD such documents as GPMD, in its discretion, determines are necessary to evidence sole and clear title in GPMD (as among the Parties hereto or anyone claiming an interest in the GPMD Plant, including the Expansion Improvements, by, through or under the City) in and to the GPMD Plant, and GPMD shall be entitled to record same in the Official Real Property Records of Harris County. The City's obligation to execute and deliver such documents shall survive the termination of this Agreement.

Section 3.10 Administration of the Escrow Account; Payment of Pay Estimates.

3.10.1 The funds on deposit in or to the credit of the Escrow Account shall be withdrawn and used by GPMD solely to pay for the Amendment (if necessary) and the engineering, management, and construction of the Expansion Improvements by GPMD.

3.10.2 If the City is requested in writing by GPMD to escrow additional funds ("Supplemental Deposits") required to pay change orders or to otherwise complete the design and construction of the Expansion Improvements, such Supplemental Deposits shall be provided by the City to GPMD within thirty (30) days of the written request therefor, and then deposited in and withdrawn from the Escrow Account. Any request from GPMD for a Supplemental Deposit shall include reasonable documentation to establish that the additional funds being requested are reasonably required to complete the design and construction of the Expansion Improvements.

3.10.3 GPMD shall remit all excess funds on deposit in or for the benefit of the Escrow Account that have not been used for the Expansion Improvements, plus any accrued interest earned on amounts in the Escrow Account, to the City within thirty (30) days of the Expansion Improvements Completion Date.

Section 3.11 Operation and Maintenance Expenses.

3.11.1 The City shall pay the City's Proportionate Share (defined in Section 3.12) of the Operation and Maintenance Expenses to GPMD pursuant to the terms and conditions of this Article III for each calendar month of the Service Period.

3.11.2 "Operation and Maintenance Expenses" shall include all fixed and variable expenses of operating and maintaining the GPMD Plant, including all costs of the Lease, meters, site maintenance, repairs or replacement of non-expendable equipment or materials, insurance,

bookkeeping, engineering, auditing, any fixed monthly operating fee(s), costs of chemicals, power, materials, supplies, repairs or replacement of expendable equipment or materials, wastewater disposal charges or assessments, sludge hauling, and any other items and expenses of a like nature reasonably required or desirable for the efficient operation and maintenance of the GPMD Plant.

Section 3.12 City's Proportionate Share. "City's Proportionate Share" of the Operation and Maintenance Expenses shall be calculated (as also shown in Table 1 below) by: multiplying the total Operation and Maintenance Expenses for the applicable month by the following percentage: (i) for the period during which GPMD is providing the Initial City Capacity in the GPMD Plant to the City, the percentage will be calculated by dividing the Initial City Capacity (102,000 gpd) by the total capacity capable of being served by the GPMD Plant in the applicable calendar month, and (ii) for the period during which GPMD is providing the Ultimate City Capacity in the GPMD Plant to the City, the percentage will be calculated by dividing the Ultimate City Capacity (141,000 gpd) by the total capacity capable of being served by the GPMD Plant in the applicable calendar month.

TABLE 1 City's Proportionate Share of the Operation and Maintenance Expenses (in the applicable calendar month)	
From April 1, 2022 to December 31, 2022 (Projected to be 15.9%)	
Initial City Capacity (102,000 gpd)	= ____ %
Total capacity of the GPMD Plant (Projected to be 640,000 gpd upon completion of the Expansion Improvements)	
From January 1, 2023 to the end of the Service Period (Projected to be 22.0%, percentage to change if overall capacity of GPMD Plant changes)	
Ultimate City Capacity (141,000 gpd)	= ____ %
Total capacity of the GPMD Plant (Projected to be 640,000 gpd upon completion of the Expansion Improvements)	

Section 3.13 Administrative Fee. In consideration of the administrative costs incurred by GPMD in the operation of the GPMD Plant that are not otherwise captured by the provisions herein relating to Operation and Maintenance Expenses, the City agrees to pay to GPMD, on a monthly basis throughout the Service Period, an amount equal to ten percent (10%) of the City's Proportionate Share for the applicable period (the "Administrative Fee").

Section 3.14 Billing and Payment. GPMD shall render bills each month to the City, or its designated representative, for the City's Proportionate Share of Operation and Maintenance Expenses incurred during the preceding calendar month plus the Administrative Fee, and such bills shall be due and payable to GPMD thirty (30) days after such bill is deposited into the United States mail properly stamped and addressed. The bills will include copies of all invoices and other documentation in support of Operation and Maintenance Expenses. The Parties acknowledge and agree that GPMD may not have received all invoices relating to Operation and Maintenance Expenses for a particular month in sufficient time to prepare and render bills in any given month for Operation and Maintenance Expenses in the preceding calendar month. The Parties agree, however, that GPMD shall render bills for any given month at the earliest practicable time.

Section 3.15 Capital Improvements, Repairs and Replacements. The Parties agree that the cost of any improvements to the GPMD Plant during the Service Period, whether through addition, modification, enlargement, upgrade, reconfiguration, repair or replacement of equipment and/or appurtenances, that are: (i) necessary for the GPMD Plant to continue to operate in compliance with applicable regulatory requirements, or (ii) a result of site or equipment damage failure or breakdown, shall be apportioned between GPMD and the City based upon their respective capacity allocations in the GPMD Plant at the time of the construction of the improvements and shall be billed to the City as part of the City's

Proportionate Share of Operation and Maintenance Expenses; provided, however, the cost of the Expansion Improvements shall not be subject to the this Section 3.15 and shall be the sole responsibility of the City. GPMD shall provide documentation to the City for any improvements covered by this Section 3.15 which establishes: (i) the necessity for the improvements, as determined by GPMD's Engineer, (ii) the connection of the improvements to the operation of the GPMD Plant, in general, and/or to providing the Initial City Capacity or the Ultimate City Capacity, as appropriate, in particular, and (iii) that GPMD has complied with applicable procurement requirements, including solicitation or advertisement of bids, if and as applicable. Any additions, modifications, enlargements, upgrades, reconfigurations or replacements to the GPMD Plant during the Service Period to create additional capacity in excess of the capacity existing upon completion of the Expansion Improvements shall be at the cost and expense of GPMD and the City shall have no rights in or to that additional capacity.

Section 3.16 Delinquency in Payment. The City shall pay interest on its past due payments under this Agreement at the rate of ten percent (10%) per annum, together with reasonable attorneys' fees and costs incurred in the collection thereof. Except for amounts for which the City has provided a Notice of Dispute in accordance with Section 3.17, if the City fails to pay any payments due under this Agreement on or before their due date, GPMD may give notice of such delinquent bills to the City in writing, and if all payments due and unpaid are not paid within thirty (30) days after the date of such notice sent by United States mail, properly stamped and addressed to the City, then GPMD shall be authorized to institute legal proceedings for the collection thereof and to pursue any remedies, at law or in equity (other than termination of service), until all bills have been paid in full.

Section 3.17 Payment Disputes. In the event the City disputes any amounts invoiced by

GPMD for the City's Proportionate Share of Operation and Maintenance Expenses under this Agreement, the City shall: (i) notify GPMD in writing within ten (10) days of its receipt of the invoice of the specific amounts it disputes and the reason it disputes such amount (a "Notice of Dispute"), and (ii) pay all non-disputed amounts by the applicable due date. The Parties shall work diligently to resolve such disputes, first through negotiations between the Parties. If such negotiations are not successful in resolving the dispute within thirty (30) days of the date of the invoice, either Party shall be authorized to institute legal proceedings to pursue its claims regarding the disputed amount and to pursue any remedies, at law or in equity (other than termination of service), until all bills have been paid in full.

Section 3.18 Payments Unconditional. Except as provided above with respect to disputed amounts of the City's Proportionate Share of Operation and Maintenance Expenses, all sums payable under this Article III shall be paid by the City without set-off, discount, counterclaim, abatement, suspension, or diminution. If the City disputes the amount to be paid, and if it is subsequently determined by agreement or court decision that such disputed payment should have been less, GPMD will then make proper adjustments so that the City will receive a refund of its over-payments plus any interest actually collected by GPMD on said over-payment.

Section 3.19 Budget. GPMD shall prepare and approve an annual budget for the Operation and Maintenance of the GPMD Plant for each fiscal year of GPMD during the Service Period, which fiscal year currently ends on April 30, but is subject to change, no later than the end of each fiscal year during the Service Period, which budget shall be based upon the estimates of the GPMD Engineer, the GPMD System operator, past operating experience, and related data on the Operation and Maintenance Expenses. GPMD shall provide a copy of the proposed budget to the City not less than 30 days before it is expected to be presented to the Board of

Directors of GPMD for consideration. On behalf of the City, the Director, or the Director's designee, shall have the opportunity to review and comment on the proposed budget before it is presented to the Board, which City review and comment will not be unreasonably delayed or withheld. GPMD shall provide a copy of the adopted annual budget to the City within 30 days of its approval by the Board of Directors of GPMD.

Section 3.20 Insurance. Throughout the Service Period, GPMD shall maintain insurance in accordance with the City's requirements as set out below.

3.20.1 GPMD represents to the City that, as of the Effective Date, it does not have any employees, and, therefore, does not maintain Worker's Compensation insurance. In the event GPMD directly employs any individual during the Service Period, GPMD shall provide the Director with either a statement of self-insurance or a certificate of commercial insurance for Worker's compensation coverage in accordance with statutory requirements.

3.20.2 GPMD shall maintain a policy of commercial insurance or self-insure for all claims falling within the Texas Tort Claims Act.

3.20.3 GPMD shall maintain a policy of commercial insurance for automobile insurance with minimum coverage of \$500,000 per occurrence for bodily injury or death and \$100,000 for injury to or destruction of property. Said insurance will be issued by a company that the State Board of Insurance has authorized to do business in Texas, and will name the City as an additional insured.

3.20.4 Before performing any service under this Agreement, GPMD will provide to the Director either a statement of self-insurance or a certificate of commercial insurance evidencing the coverages in subsections 3.20.2 and 3.20.3.

3.20.5 GPMD shall ensure that each of its policies of insurance required by subsections 3.20.2 and 3.20.3 contain an endorsement to the effect that the issuer waives any claim or right of subrogation to recover against the City, its officers, agents, or employees.

Section 3.21 Uninsured Losses; Repairs. In the event of any insured loss or damage to the GPMD Plant during the Service Period, GPMD covenants that it will apply the proceeds of the insurance policies covering such loss or damage solely to the costs of reconstruction or repair of the destroyed or damaged portion of the GPMD Plant. GPMD covenants that it will begin such work or reconstruction or repair promptly after such loss or damage shall occur and will continue and properly complete the same as expeditiously as possible and will pay, or cause to be paid, all costs and expenses in connection therewith out of the insurance proceeds to the extent insurance proceeds are available. Any insurance proceeds remaining after the completion of and payment for any such reconstruction or repairs shall be deposited to the credit of GPMD's Operating Account. If the insurance proceeds are not sufficient to complete such reconstruction or repairs, each Party shall pay its share of the deficiency on the basis of each Party's proportionate allocation of capacity within the GPMD Plant during the Service Period. The City shall pay such amounts to GPMD within thirty (30) days following the date of an invoice therefor from GPMD.

ARTICLE IV FORCE MAJEURE

Section 4.1 Timely Performance. Timely performance by both Parties is essential to this Agreement. However, neither Party is responsible for reasonable delays in performing its obligations under this Agreement to the extent the delay is caused by Force Majeure that directly impacts the City or GPMD. The event of Force Majeure may permit a reasonable delay in

performance, but does not excuse a Party's obligations to complete performance under this Agreement. Force Majeure does not entitle GPMD or the City to any additional reimbursable expenses.

Section 4.2 Definition. Force Majeure means: strikes, lockouts or other industrial or labor disturbances, fires, interruption of utility services, epidemics, lightning strikes, floods, hurricanes, tornadoes, ice storms and other natural disasters, explosions, breakage or accidents to machinery or pipelines, war, terrorist acts against the City or GPMD, riots, court orders, the acts of superior governmental or military authority, and any other incapacities of either Party similar to those enumerated and which the affected party is unable to prevent by the exercise of reasonable diligence. The term does not include any changes in general economic conditions such as inflation, interest rates, economic downturn or other factors of general application; or an event that merely makes performance more difficult, expensive or impractical. Force Majeure does not entitle GPMD to extra payment, nor does it excuse the City from timely complying with any of its payment obligations hereunder.

Section 4.3 Requirements for Relief. Relief resulting from an act of Force Majeure is not applicable unless the affected Party does the following:

4.3.1 uses due diligence to remove the effects of the Force Majeure as quickly as possible and to continue performance notwithstanding the Force Majeure; and

4.3.2 provides the other Party with prompt written notice of the cause and its anticipated effect.

Section 4.4 Duration. In the event an event of Force Majeure continues for longer than ten (10) days, the Parties shall use all reasonable efforts to meet and agree upon temporary

measures or procedures to facilitate the provision of the services contemplated by this Agreement for the duration of the condition that caused the delay in performance for which the event of Force Majeure is claimed.

**ARTICLE V
ADDRESSES; NOTICES; APPROVALS OR CONSENTS**

Section 5.1 Addresses. Until GPMD is otherwise notified in writing by the City, the address of the City for notice is and shall remain as follows:

Houston Public Works
Attn: Director
611 Walker, 25th Floor
Houston, Texas 77002
Email address: PublicWorks@houston.tx.gov

With copy to:

City of Houston
Legal Department
900 Bagby St.
Houston, Texas 77002
Attention: Gwen Webb
Phone: (832) 393-6491
Email address: Gwen.Webb@houston.tx.gov

Until the City is otherwise notified in writing by GPMD, the address of GPMD for notice is and shall remain as follows:

Generation Park Management District
c/o Schwartz, Page & Harding, L.L.P.
1300 Post Oak Boulevard, Suite 1400
Houston, Texas 77056
Attention: Daniel Ringold
Phone: (713) 623-4531
Email address: dringold@sphllp.com

Section 5.2 Notices. All written notices required or permitted to be given under this Agreement from one Party to the other shall be given by (i) electronic mail to the other Party at the electronic mail address set forth above, with a hard copy of same mailed within forty-eight (48) hours by certified mail (return receipt requested), with proper postage affixed thereto and addressed to the other Party at the address set forth above or at such other address as the other Party may designate by written notice, or (ii) by the mailing of same by certified mail (return receipt requested) with proper postage affixed thereto and addressed to the other Party at the address set forth above or at such other address as the other Party may designate by written notice. Notice by electronic mail only shall be effective upon actual receipt, but not later than the date of actual delivery of same by certified mail, as reflected on the corresponding return receipt. Notice by certified mail shall be effective when actually received, as reflected on the corresponding return receipt. Notices required under this Agreement sent by U.S. Mail as specified herein must also be simultaneously transmitted by electronic mail to the other Party.

Section 5.3 Approvals or Consent.

5.3.1 Whenever this Agreement requires or permits approval or consent to be given by either Party, the Parties agree that such approval or consent shall not be unreasonably withheld, conditioned, or delayed.

5.3.2 Unless otherwise expressly provided for herein, any consent or approval of the Parties shall be evidenced by an ordinance, order, or resolution duly adopted by the governing body of the Party, or an appropriate certificate executed by an individual duly authorized to determine and give such approval or consent on behalf of the Party pursuant to an

ordinance, resolution, or other appropriate instrument adopted by the governing body or managing authority of such Party.

5.3.3 Subject to applicable law, from and after the Effective Date of this Agreement, decision-making authority of the City regarding the terms and conditions of this Agreement shall vest in the Director as defined herein above, and any approvals or consents of the City required under this Agreement may be given by the Director unless inconsistent with the City Charter or the City Code of Ordinances.

ARTICLE VI REPRESENTATIONS AND WARRANTIES

Section 6.1 GPMD. GPMD represents and warrants to the City that, as of the Effective Date:

6.1.1 It is a political subdivision duly organized, validly existing, and operating under the laws of the State of Texas;

6.1.2 It has full power, authority, and legal right to execute and deliver this Agreement and to perform and observe the terms and provisions hereof;

6.1.3 The form, execution, delivery, and performance by GPMD of this Agreement have been duly authorized by all necessary action and does not violate or contravene any law or any order of any court or governmental agency or any agreement or other instrument to which GPMD is a party or by which it or any of its properties may be bound; and

6.1.4 This Agreement is a legal, valid, and binding obligation of GPMD enforceable against GPMD in accordance with its terms, except that enforceability of GPMD's

obligations hereunder may be limited by bankruptcy, insolvency, or other similar laws affecting the enforcement of creditors' rights in general and is subject to general principles of equity (regardless of whether such enforceability is considered in a proceeding in equity or at law).

Section 6.2 City. The City represents and warrants to GPMD that, as of the Effective Date:

6.2.1 It is a home rule city duly organized, validly existing, and operating under the laws of the State of Texas;

6.2.2 It has full power, authority, and legal right to execute and deliver this Agreement and to perform and observe the terms and provisions hereof;

6.2.3 The form, execution, delivery, and performance by the City of this Agreement have been duly authorized by all necessary action and do not violate or contravene any law or any order of any court or governmental agency or any agreement or other instrument to which the City is a party or by which it or any of its properties may be bound; and

6.2.4 This Agreement is a legal, valid, and binding obligation of the City enforceable against the City in accordance with its terms, except that enforceability of the City's obligations hereunder may be limited by bankruptcy, insolvency, or other similar laws affecting the enforcement of creditors' rights in general and is subject to general principles of equity (regardless of whether such enforceability is considered in a proceeding in equity or at law).

ARTICLE VII BREACH, NOTICE, AND REMEDIES

Section 7.1 Breach of Agreement. The Parties have entered into this Agreement in

good faith and in the belief that it is mutually advantageous. It is with that same spirit of cooperation that they pledge to attempt to resolve any dispute amicably without the necessity of litigation. In the event that one Party believes that the other Party has, by act or omission, breached this Agreement, the provisions of this Article VII shall provide the exclusive remedies for such default.

Section 7.2 Notice of Default.

7.2.1 A Party shall notify the allegedly defaulting Party in writing of an alleged failure by such Party to comply with a provision of this Agreement, which notice shall describe the alleged failure in reasonable detail. The alleged defaulting Party shall, within thirty (30) calendar days after receipt of such notice, or within such longer period of time as the aggrieved Party may specify in such notice, either cure such alleged failure or, in a written response to the aggrieved Party, either present facts and arguments in refutation or excuse of such alleged failure or state that such alleged failure will be cured and set forth the method and time schedule for accomplishing such cure.

7.2.2 The aggrieved Party shall determine: (i) whether a failure by a Party to comply with this Agreement has occurred, (ii) whether such failure is excusable, and (iii) whether such failure has been cured or will be cured by the alleged defaulting Party. The alleged defaulting Party shall make available to the aggrieved Party, if requested, any records, documents or other information reasonably necessary to make the determination.

7.2.3 In the event that the aggrieved Party determines that such failure has not occurred, or that such failure either has been or will be cured in a manner and in accordance with a schedule reasonably satisfactory to the aggrieved Party, or that such failure is excusable, such determination shall conclude the matter.

7.2.4 If the aggrieved Party determines that a failure to comply with a provision has occurred and that such failure is not excusable and has not been or will not be cured by the alleged defaulting Party in a manner and in accordance with a schedule reasonably satisfactory to the aggrieved Party, then the aggrieved Party shall proceed to mediation under Section 5.3 of this Agreement.

Section 7.3 Remedies. The Parties do not intend hereby to specify, and this Agreement shall not be considered as specifying, an exclusive remedy for any default, but all remedies, other than termination, existing at law or in equity, including specific performance and mandamus, may be availed of by either Party hereto and shall be cumulative; provided, however, that except as otherwise provided in this Agreement, the Parties agree to participate in non-binding mediation as an initial manner of proceeding to settle any controversy, claim, or dispute arising out of or relating to this Agreement prior to taking other action authorized hereby.

Section 7.4 No Waiver. No waiver or waivers of any breach or default (or any breaches or defaults) by either Party of any term, covenant, condition, or liability hereunder, or of performance by the other Party of any duty or obligation hereunder, shall be deemed or construed to be a waiver of subsequent breaches or defaults of any kind under any circumstances.

Section 7.5 Applicable Law; Venue. This Agreement shall be construed under and in accordance with the laws of the State of Texas. The Parties consent to exclusive venue in a court of competent jurisdiction in Harris County, Texas.

ARTICLE VIII TERM AND TERMINATION

Section 8.1 Term of Agreement. This Agreement shall remain in full force and effect

from the Effective Date until the later to occur of: (i) the end of the Service Period or (ii) the date on which the City has paid in full all bills submitted in accordance with Article III of this Agreement.

Section 8.2 Option to Extend Lease Term. The City has the option, but not the obligation, to extend the term of its lease of the Ultimate City Capacity for up to five (5) years beyond the expiration of the Initial Term in accordance with the following terms and conditions and by timely complying with each of the following requirements:

8.2.1 To exercise the option to the extend its lease of the Ultimate City Capacity, the City shall deliver written notification to GPMD no later than January 1, 2029, which shall specify the period of time beyond the expiration of the Initial Term that the City elects to extend the lease (defined as the "Extended Term" in the recitals hereof),

8.2.2 For each year of the Extended Term, or any portion thereof, the City shall pay to GPMD an annual lease payment (the "Annual Lease Amount") based upon the following equation:

$$\text{Annual Lease Amount} = A \times 141,000 \text{ gpd}$$

For the purposes of the foregoing equation, $A = \$0.53$ per gpd of capacity leased by the City, increased annually beginning April 2, 2020 by the amount that the City increases its water and sewer rates within the applicable year. For purposes of calculating the Annual Lease Amount(s), the City shall provide GPMD with written notification of all increases to the City's water and wastewater rates occurring on or after the Effective Date not less than thirty (30) days prior to the effective date of the change.

8.2.3 The City's obligation to pay the Annual Lease Amount is in addition to the City's obligation to pay the City's Proportionate Share of the Operation and Maintenance Expenses in accordance with Section 3.12 hereof. The City's obligation to pay the Annual Lease Amount shall only apply during the Extended Term.

8.2.4 GPMD shall prepare and deliver an invoice to the City for the Annual Lease Amount not less than forty-five (45) days prior January 1 of each year of the Extended Term. The City shall pay the Annual Lease Amount for the each year of the Extended Term not later than January 1st of the applicable year (i.e. payment for the period from January 1, 2033 through December 31, 2033 is due by January 1, 2033).

8.2.5 In no event shall the Extended Term extend beyond January 1, 2038. In the event the City desires to lease capacity in the GPMD Plant on or after January 1, 2038, the Parties shall use good faith efforts to negotiate a lease for such time period, but neither Party is obligated hereby to enter into such a subsequent lease agreement.

ARTICLE IX MISCELLANEOUS PROVISIONS

Section 9.1 Time of the Essence. Time is of the essence in all things pertaining to the performance of this Agreement.

Section 9.2 Agreement Subject to Laws and Regulations. This Agreement shall be subject to all present and future valid and applicable laws, orders, rules, and regulations of the United States of America, the State of Texas, and any regulatory body having jurisdiction, including the TCEQ.

Section 9.3 Parties in Interest. The Parties agree that there are no third-party

beneficiaries, express or implied, to this Agreement.

Section 9.4 Approvals by Parties. Except as otherwise provided herein, whenever this Agreement requires or permits approvals or consents to be hereafter given by a Party, each Party agrees that such approval or consent shall not be unreasonably withheld, conditioned, delayed, or denied. Such approval or consent may be evidenced by an order or orders, a resolution or resolutions, or other appropriate action adopted by the governing body of a Party, in a meeting held in compliance with applicable law, or by an appropriate certificate or other writing executed by a person, firm, or entity authorized to determine and give approval or consent on behalf of a Party. Such approval or consent shall be effective without regard to whether given before or after the time required herein.

Section 9.5 No Joint Venture, Partnership, or Agency. This Agreement shall not be construed as in any way establishing a partnership or joint venture, express or implied agency, or employer-employee relationship by and between the Parties.

Section 9.6 No Liability for Indebtedness. It is expressly understood and agreed that nothing in this Agreement has the effect of causing either Party to assume, guarantee, or become in any way liable for any bond, warrant, note, or other indebtedness or obligation of the other Party.

Section 9.7 Amendment; Modification. This Agreement may be amended or otherwise modified only by a written instrument executed by both of the Parties.

Section 9.8 Assignment. This Agreement shall bind and benefit the Parties and their respective successors and assigns. This Agreement may not be assigned in whole or in part without the prior written consent of the other Party.

Section 9.9 Other Contracts. GPMD reserves the right to enter into additional wastewater treatment agreements with other persons, corporations, partnerships, or political subdivisions of the State of Texas or any other entities; provided, however, GPMD shall not so agree with or commit to such persons or entities to such extent as to impair GPMD's ability to perform fully and punctually its obligations to the City under this Agreement.

Section 9.10 Severability. The provisions of this Agreement are severable, and if any word, phrase, clause, sentence, paragraph, section, or other part of this Agreement or the application thereof to any person or circumstance shall ever be held by any court of competent jurisdiction to be invalid or unconstitutional for any reason, the remainder of this Agreement and the application of such word, phrase, clause, sentence, paragraph, section, or other part of this Agreement to any other persons or circumstances shall not be affected thereby.

Section 9.11 No Additional Waiver Implied. No waiver or waivers of any breach or default (or any breaches or defaults) by a Party hereto of any term, covenant, condition, or liability hereunder, or the performance by a Party of any duty or obligation hereunder, shall be deemed or construed to be a waiver of subsequent breaches or defaults of any kind, under any circumstances.

Section 9.12 Merger. This Agreement, together with the exhibits attached hereto and made a part hereof for all purposes, constitutes the entire agreement among the Parties relative to the subject matter hereof and supersedes all prior or contemporaneous agreements, understandings, and commitments between the Parties, whether oral or written, relating to same. Each Party expressly warrants that no statement, promise, covenant, agreement, warranty, or representation, other than those expressly provided in this Agreement, was made to or relied

upon by that Party.

Section 9.13 Further Documents and Acts. The Parties agree that at any time after execution of this Agreement, they will, upon request of another Party, execute and deliver such further documents and take such further actions as such may be reasonable and necessary in order to effectuate the terms of this Agreement.

Section 9.14 Counterparts. This Agreement may be executed in one or more counterparts, each of which shall be deemed an original and all of which together shall constitute but one and the same instrument.

IN WITNESS WHEREOF, the Parties have executed this Agreement in multiple copies, each of which is an original. Each person signing this Agreement represents and warrants that he or she is duly authorized and has legal capacity to execute and deliver this Agreement. Each Party represents and warrants to the other that the execution and delivery of this Agreement and the performance of such Party's obligations hereunder have been duly authorized, and that the Agreement is a valid and legal agreement binding on such Party and enforceable in accordance with its terms. The Parties hereby agree that each Party may sign and deliver this Agreement electronically or by electronic means and that an electronic transmittal of a signature, including but not limited to, a scanned signature page, will be as good, binding, and effective as an original signature.

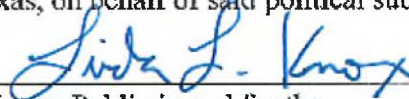
[Signature Pages Follow]

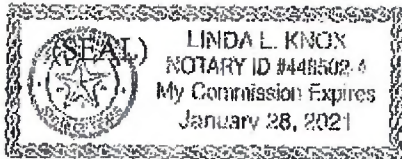
GENERATION PARK MANAGEMENT
DISTRICT

By: 
President, Board of Directors

THE STATE OF TEXAS §
 §
COUNTY OF HARRIS §

This instrument was acknowledged before me on this 7th day of July, 2020, by Charles W. Neuhaus, President of the Board of Directors of Generation Park Management District, a political subdivision of the State of Texas, on behalf of said political subdivision.


Notary Public in and for the
State of T E X A S



CITY OF HOUSTON, TEXAS

By:



Sylvester Turner,
Mayor

Armande Washington
8-19-2020

Executed for and on behalf of City
pursuant to authority granted by
the City Council Ordinance
No. 2020-_____, passed on
_____, 2020, a
copy of which is attached hereto
for reference.

ATTEST/SEAL

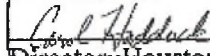


City Secretary

Interim

APPROVED:

DocuSigned by:



Director, Houston Public Works

APPROVED AS TO FORM:

DocuSigned by:



Sr. Assistant City Attorney

L.D. File No. 0801000051001

COUNTERSIGNED:



City Controller

DATE COUNTERSIGNED: 8-25-2020

LIST OF EXHIBITS

Exhibit "A" -- Legal Description of the Northeast Water Purification Plant

Exhibit "B" -- GPMD Engineer's Estimated Scope of Expansion Facilities

EXHIBIT "A"

Victor Blanco League Grant Survey
Abstract No. 2
Harris County, Texas

Tract 1
11.9829 Acre (521,974 Sq. Ft.)
Page No. 1 of 3

Metes and Bounds Description

Being a 11.9829 acre (521,974 square feet) tract of land situated in the Victor Blanco League Grant Survey, Abstract No. 2, Harris County, Texas, and being out of and a part of the remainder of a called 17.2363 acre tract (as Tract 4) as described in deed conveyed from Texas Commerce Bank National Association, as Trustee of Alexander Deussen, deceased; United States Public Health Service, Texas Commerce Bank National Association, as Trustee of Deussen McRae, deceased; Edward B. Rather, Jr.; Bethenia Morrow Rather Fuller; Nancy Bond Rather Kumpuris; Mary Rather and William B. Martin, trustee of William C. Morrow, deceased; Republicbank Waco N.A. and WM B. Martin, trustees for Mrs. J.O. Hamilton Trust for Mickey Lynn Smith; Republicbank Waco N.A. and WM. B. Martin as trustees for Mrs. J.O. Hamilton Trust for Juanita Hamilton; and Republicbank Waco N.A. and WM. B. Martin as trustees under Mrs. J.O. Hamilton Trust for Pamela Hamilton to City of Houston, dated March 25, 1983 and recorded under Harris County Clerk's File (H.C.C.F.) No. H870227, Film Code No. 041-91-1850 of the Official Public Records of Real Property (O.P.R.O.R.P.), Harris County, Texas, and same being also described in a Deed recorded on March 25, 1983 and recorded under H.C.C.F. No. H870228, Film Code No. 041-92-1865 of the O.P.R.O.R.P., Harris County, Texas. Said 11.9829 acre of land being more particularly described by metes and bounds as follows:

POINT OF BEGINNING at a found a TxDOT Monument having the Texas State Plane Grid Coordinates of N=13,906,211.21 & E=3,170,043.30 found in the northeasterly Right-of-Way (R.O.W.) line of North Belt (R.O.W. Varies) as described in a deed recorded under Volume 3442, Page 506 of the H.C.D.R. and H.C.C.F. No. L510862, L446743 and L277249 and in the northwesterly line of Beaumont, Sour Lake and Western Railroad Company (150' wide at this location) as recorded under Volume 194, Page 58 of the H.C.D.R. and the northeast corner of a called 5.353 acre tract conveyed to State of Texas described in a deed recorded under H.C.C.F. No. L510862, same being the south corner of the herein described tract;

THENCE, North 50° 23' 29" West, along the northeasterly R.O.W. line of said North Belt, a distance of 300.13 feet to a 5/8 inch iron rod with cap stamped 'KUO' set for an angle point of the herein described tract;

THENCE, North 58° 03' 25" West, continuing along the northeasterly R.O.W. line of said North Belt, a distance of 301.60 feet to a found TxDOT Monument for the beginning of a non-tangent curve to the left;

THENCE, in a northwesterly direction, continuing along the northeasterly R.O.W. line of said North Belt being a curve to the left, an arc length of 477.39 feet through a central angle of 09° 35' 35", having a radius of 2,851.29 feet, and whose chord bearing and distance of North 72° 23' 46" West, 476.83 feet to a found TxDOT Monument for a point of tangency;

Victor Blanco League Grant Survey
Abstract No. 2
Harris County, Texas

Tract 1
11.9829 Acre (521,974 Sq. Ft.)
Page No. 2 of 3

THENCE, North 77° 11' 34" West, continuing along the northeasterly R.O.W. line of said North Belt, a distance of 362.99 feet to an "X" cut found on concrete on the northerly line of aforesaid 17.2363 acre tract and an angle point of a called 40.038 acre tract conveyed to BWI140 Commercial, Ltd as described in a deed recorded under H.C.C.F. No. 20070248398 and the northeast corner of aforesaid 5.353 acre tract, same being the west corner of the herein described tract;

THENCE, North 86° 38' 58" East, along the common line of aforesaid 17.2363 acre tract said 40.038 acre tract and along a boundary line agreement as described in a deed recorded in Vol. 3572, Pg. 218, H.C.D.R., at 1,171.25 passing the southeast corner of said 40.038 acre tract and the southwest corner of a called 30.525 acre tract conveyed to SSR-185 Investments, Ltd., a Texas limited partnership as described in a deed recorded under H.C.C.F. No. Y218160, and continuing for a total distance of 1,942.20 feet to a 5/8 inch iron rod with cap stamped "Findley Associates" found on the northwesterly line of aforesaid Beaumont, Sour Lake and Western Railroad Company (100' wide at this location) and the common northeast corner of aforesaid 17.2363 acre tract and the southeast corner of said called 30.525 acre tract, same being the northeast corner of the herein described tract;

THENCE, South 40° 00' 54" West, along the common line of aforesaid 17.2363 acre tract and the northwesterly line of aforesaid Beaumont, Sour Lake and Western Railroad Company, a distance of 323.40 feet to a 5/8 inch iron rod with cap stamped 'KUO' set for an exterior corner of the herein described tract;

THENCE, South 82° 41' 18" West, continuing along said common line, a distance of 73.22 feet to a 5/8 inch iron rod with cap stamped 'KUO' set for an interior corner of the herein described tract;

THENCE, South 40° 00' 32" West, continuing along said common line, a distance of 564.13 feet to the POINT OF BEGINNING and containing 11.9829 acres (521,974 square feet) of land, more or less.

Victor Blanco League Grant Survey
Abstract No. 2
Harris County, Texas

Tract 1
11.9829 Acre (521,974 Sq. Ft.)
Page No. 3 of 3

All bearings and distances are based on Texas State Plane Coordinate System, South Central Zone, NAD 83 (CORS96). All distances are in surface.

The coordinates shown hereon are Texas South Central Zone No. 4204 State Plane Grid Coordinates (NAD83) and may be brought to surface by dividing by the combined scale factor 0.99991976405.

A survey plat has been prepared in association with this field note description.

Compiled By:

Shaheen Chowdhury, 09/17/15
Shaheen Chowdhury
Registered Professional Land Surveyor
Texas Reg. No. 5858

Kuo & Associates, Inc.
10700 Richmond Ave., Suite 113
Houston, Texas 77042
Ph.: (713) 975-8769
TBPLS Firm Registration No. 10075600



Victor Blanco League Grant Survey
Abstract No. 2
Harris County, Texas

Tract 2
226.9261 Acre (9,884,902 Sq. Ft.)
Page No. 1 of 7

Metes and Bounds Description

Being a 226.9261 acre (9,884,902 square feet) tract of land situated in the Victor Blanco League Grant Survey, Abstract No. 2, Harris County, Texas, and being out of a called 152.3576 acre tract (as Tract 1) and a called 8.0181 acre tract (as Tract 2) and a called 6.1969 acre tract (as Tract 3) and a called 5.3061 acre tract (as Tract 6) and out of and a part of the remainder of a called 7.6709 acre tract (as Tract 5), all said tracts described in deed conveyed from Texas Commerce Bank National Association, as Trustee of Alexander Deussen, deceased; United States Public Health Service, Texas Commerce Bank National Association, as Trustee of Deussen McRae, deceased; Edward B. Rather, Jr.; Bethenia Morrow Rather Fuller; Nancy Bond Rather Kumpuris; Mary Rather and William B. Martin, trustee of William C. Morrow, deceased; Republicbank Waco N.A. and WM B. Martin, trustees for Mrs. J.O. Hamilton Trust for Mickey Lynn Smith; Republicbank Waco N.A. and WM. B. Martin as trustee for Mrs. J.O. Hamilton Trust for Juanita Hamilton; and Republicbank Waco N.A. and WM. B. Martin as trustees under Mrs. J.O. Hamilton Trust for Pamela Hamilton to City of Houston dated March 25, 1983 and recorded under Harris County Clerk's File number (H.C.C.F.) No. H870227, Film Code No. 041-91-1850 of the Official Public Records of Real Property (O.P.R.O.R.P.), Harris County, Texas, and same being also described in a Deed dated March 25, 1983 and recorded under H.C.C.F. No. H870228, Film Code No. 041-92-1865 of the O.P.R.O.R.P., Harris County, Texas, and also being out of a called 19.7354 acre tract (as Tract A) and a called 28.4173 acres tract (as Tract B) conveyed from Josephine Everlina Abercrombie, et al. to City of Houston as described in a deed dated February 04, 1986 and recorded under H.C.C.F. No. K397306, Film Code No. 038-63-1705 of the O.P.R.O.R.P., Harris County, Texas. Said 226.9261 acre of land being more particularly described by metes and bounds as follows:

POINT OF BEGINNING at a found a TxDOT Monument having the Texas State Plane Grid Coordinates of N=13,906,115.75 & E=3,170,159.18 found in the northeasterly Right-of-Way (R.O.W.) line of North Belt (R.O.W. Varies) as described in a deed recorded under Volume 3442, Page 506 of the Harris County Deed Records (H.C.D.R.) and H.C.C.F. No. L510862, L446743 and L277249 and in the southeasterly line of Beaumont, Sour Lake and Western Railroad Company (150' wide at this location) as described in a deed recorded under Volume 194, Page 58 of the H.C.D.R. and the north corner of a called 0.817 acre tract conveyed to State of Texas as described in a deed recorded under H.C.C.F. No. L446743 and the corner of the herein described tract;

THENCE, North 40° 00' 32" East, departing the northeasterly R.O.W. Line of said North Belt and along the common southeasterly line of said Beaumont, Sour Lake and Western Railroad Company and aforesaid 7.6709 acre tract (as Tract 5), at a distance of 576.17 feet to a 5/8 iron rod with cap stamped "LUPHER" found and continuing with a total distance of 1,032.00 feet to a 3/4-inch iron rod found for the common northwest corner of aforesaid 8.0181 acre tract and the southwest corner of the remainder of a called 325.351 acre tract conveyed to West Lake Houston Investments, Ltd. as described in a deed recorded under H.C.C.F. No. W954501, same being the most westerly northwest corner of the herein described tract;

Victor Blanco League Grant Survey
Abstract No. 2
Harris County, Texas

Tract 2
226.9261 Acre (9,884,902 Sq. Ft.)
Page No. 2 of 7

THENCE, North 86° 46' 37" East, departing the southeasterly line of said Beaumont, Sour Lake and Western Railroad Company and along the common northerly line of aforesaid 8.0181 acre tract (as Tract 2) and the southerly line of said 325.351 acre tract, a distance of 1,410.15 feet to a 5/8-inch iron rod found at the common corner of said 8.0181 acre tract (as Tract 2) and aforesaid 28.4173 acre tract (as tract B) and aforesaid 152.3576 acre tract (as tract 1) and an interior corner of the herein described tract;

THENCE, North 03° 12' 42" West, along the common line of said 325.351 acre tract and aforesaid 28.4173 acre tract, a distance of 61.68 feet to a 5/8-inch iron rod found for the northwest corner of aforesaid 28.4173 acre tract (as Tract B) and an interior corner of the herein described tract;

THENCE, North 86° 27' 17" East, continuing along said common line, at 2046.42 feet, passing the southwest corner of Lot 16, in Block 7 of Summer Lake Ranch, Section 1 recorded in Film Code No. 511110 of the Harris County Map Records (H.C.M.R.), and continuing with a total distance of 2,328.87 feet to a point on the south line of Lot 15 in said Block 7 of Summer Lake Ranch, Section 1 for an angle point of the herein described tract;

THENCE, North 86° 34' 35" East, along the common southerly line of said Summer Lake Ranch, Section 1 and the northerly line of aforesaid 28.4173 acres (as Tract B), a distance of 748.36 feet to a point on the south line of Lot 10, in Block 7 of said Summer Lake Ranch, Section 1 for an angle point of the herein described tract;

THENCE, North 87° 58' 14" East, continuing along said common line, a distance of 1,002.80 feet to an angle point in the north line of the herein described tract;

THENCE, North 88° 00' 11" East, along said common line, passing at a distance of 4.78 feet to a found 5/8-inch iron rod with cap stamped "EIC" for the common southeast corner of Lot 1, in Block 7 of said Summer Lake Ranch, Section 1 and the point of terminus and southwest corner of Timber Forest Boulevard (100' R.O.W.) recorded under Film Code No. 511110 of the H.C.M.R., a total distance of 122.07 feet to a found 5/8-inch iron rod for in the east R.O.W. line of said Timber Forest Boulevard and the southwest corner of Lot 33, in Block 5 of said Summer Lake Ranch, Section 1 and an angle point in the north line of the herein described tract;

THENCE, North 86° 10' 14" East, continuing along said common line, a distance of 1,441.07 feet to a point on the southerly line of Lot 18, in Block 5 of said Summer Lake Ranch, Section 1 and an angle point in the north line of the herein described tract;

THENCE, North 85° 29' 19" East, continuing along said common line, a distance of 410.85 feet to a point on the southerly line of Lot 9, in Block 5 of said Summer Lake Ranch, Section 1, for an angle point in the north line of the herein described tract;

Victor Blanco League Grant Survey
Abstract No. 2
Harris County, Texas

Tract 2
226.9261 Acre (9,884,902 Sq. Ft.)
Page No. 3 of 7

THENCE, North 87° 09' 25" East, continuing along said common line, a distance of 678.79 feet to a 5/8-inch iron rod with cap stamped "CHERRY" found for an interior corner of the herein described tract;

THENCE, North 11° 23' 49" West, continuing along said common line, a distance of 19.95 feet to a 5/8 inch iron rod with cap stamped "CHERRY" found for an exterior corner of the herein described tract;

THENCE, North 86° 51' 19" East, continuing along said common line, at 54.11 feet passing a 5/8 inch iron rod found common corner of said Lot 5, in Block 1 of said Summer Lake Ranch, Section 1 and the southwest corner of Restricted Reserve "B" of said Summer Lake Ranch, Section 1, at 404.10 feet passing a 5/8 inch iron rod with cap stamped "EIC" found in the west R.O.W. line of West Lake Houston Parkway (120' R.O.W.) recorded under H.C.C.F. Nos. R245848 thru R254866 and the southeast corner of said Restricted Reserve "B", at 525.19 passing a 1/2 inch iron pipe with cap stamped "BROWN&GAY" found in the east R.O.W. line of said West Lake Houston Parkway and the southwest corner of a called 69.512 acre tract of land conveyed to West lake Houston Investments, Ltd, as recorded in a deed under H.C.C.F. No. W954501, then along the common line of said 69.512 acre tract and aforesaid 28.4173 acre tract (as tract B), at 1,332.81 feet passing a found 5/8 inch iron rod with cap stamped "COTTON", at 1,374.10 feet passing a found 3/4 inch iron pipe with cap stamped "COTTON", at 1,417.84 feet passing a found 5/8 inch iron rod with cap stamped "COTTON" and continuing with a total distance of 1,549.56 feet to a 5/8 inch iron rod found for an angle corner of the herein described tract;

THENCE, North 64° 45' 46" East, continuing along said common line, at 29.40 feet passing a 5/8 inch iron rod with cap stamped "COTTON" and continuing with a total distance of 111.19 feet to a 5/8 inch iron rod found for the an angle corner of the herein described tract;

THENCE, North 42° 40' 11" East, continuing along said common line, at 17.53 feet passing a found 5/8 inch iron rod with cap stamped "COTTON", and continuing with a total distance of 667.65 feet to a 5/8 inch iron rod with cap stamped 'KHO' set for the corner of the herein described tract;

THENCE, North 88° 33' 41" East, continuing along said common line, a distance of 78.65 feet to an exterior corner of the herein described tract;

THENCE, South 45° 35' 11" West, a distance of 77.97 feet to a point for an interior corner of the herein described tract;

THENCE, South 31° 11' 26" East, a distance of 52.00 feet to a point for an interior corner of the herein described tract;

THENCE, North 43° 57' 41" East, a distance of 140.00 feet to a point for an interior corner of the herein described tract;

Victor Blanco League Grant Survey
Abstract No. 2
Harris County, Texas

Tract 2
226.9261 Acre (9,884,902 Sq. Ft.)
Page No. 4 of 7

THENCE, North 88° 33' 41" East, a 75.74 feet to the common corner of aforesaid 28.4173 acre tract (as tract B) and aforesaid 19.7354 acre tract (as tract A), and continuing with a total distance of 540.74 feet to an angle point of the herein described tract;

THENCE, North 72° 27' 41" East, a distance of 225.00 feet to a point for an angle corner of the herein described tract;

THENCE, South 73° 02' 19" East, a distance of 185.00 feet to a point for the corner of the herein described tract;

THENCE, South 52° 32' 19" East, a distance of 725.00 feet to a point for the corner of the herein described tract;

THENCE, South 33° 22' 49" East, a distance of 95.05 feet to a point at the east corner of aforesaid 19.7354 acre tract (as tract A) common with the northeast corner of called 1.181 acre tract conveyed to Summerwood Community Association, Inc. as described in a deed recorded under H.C.C.F. NO. 20090358610, same being also the east corner of the herein described tract;

THENCE, South 86° 36' 14" West, along the common line of aforesaid 19.7354 acres (as Tract A) and said 1.181 acre tract, a distance of 303.58 feet to a point for an angle point in the south line of the herein described tract;

THENCE, South 86° 23' 17" West, continuing along said common line, a distance of 436.44 feet to a point at common northwest corner of said 1.181 acre tract and the northeast corner of Restricted Reserve "D", in Block 3 of Lake Forest Village, Section 1 as recorded in Volume 438, page 93, H.C.M.R., same being an angle point in the south line of the herein described tract;

THENCE, South 84° 22' 09" West, distance of 133.39 feet to a point at the east corner of aforesaid 5.3061 acre tract (as tract 6) and an angle point in the north line of said Restricted "D", in Block 3 of said Lake Forest Village, Section 1, same also being an angle point in the south line of the herein described tract;

THENCE, South 79° 19' 57" West, along the common line of aforesaid 5.3061 acre tract (as tract 6) and Block 3 of said Lake Forest Village, Section 1, at 464.49 feet to a found 5/8-inch with cap at the common corner of Lot 52 and Lot 53 in Block 3 of said Lake Forest Village, Section 1, continuing with a total distance of 1,366.64 feet to a 5/8 inch iron rod with cap stamped 'KUO' set for an angle point of the herein described tract;

THENCE, South $87^{\circ} 18' 38''$ West, at 568.87 feet to a found 5/8-inch iron rod with cap at the common corner of Lot 26 and Lot 27 in Block 3 of said Lake Forest Village, Section 1, at 983.55 feet to a found 5/8-inch iron with cap at the common corner of Lot 21 and Restricted Reserve "B" in Block 3 of said Lake Forest Village, Section 1, at 1,074.13 to the east R.O.W. line of aforesaid West Lake Houston Parkway (130' R.O.W. at this location) recorded under H.C.C.F. No. P467189, at 1204.51 feet to a found 5/8-inch iron rod with cap "Miller" in the west R.O.W. line of aforesaid West Lake Houston Parkway and the north east corner of Restricted Reserve "A" in Block 1 of Lakeside United Methodist Church recorded under F.C. No. 6450004 of the H.C.M.R., continuing with a total distance of 1,239.74 feet to a 5/8 inch iron rod with cap stamped 'KUO' set in the east R.O.W. of Lake Houston Parkway (300' wide) recorded under Volume 3166, Page 15 of the H.C.D.R. and a corner of the herein described tract;

THENCE, North $11^{\circ} 06' 20''$ West, along the east line of said Lake Houston Parkway common with the west line of aforesaid 5.3061 acre tract (as tract 6), a distance of 96.28 feet to a point for the corner of the herein described tract;

THENCE, South $86^{\circ} 53' 06''$ West, along the south line of aforesaid 28.4173 acre tract common with the north line of said Lake Houston Parkway, a distance of 304.29 feet to a found 5/8-inch iron rod with cap "Amani Engineering" in the west R.O.W. line of Lake Houston Parkway and the northeast corner of aforesaid 6.1969 acre tract (as tract 3) and the corner of the herein described tract;

THENCE, South $11^{\circ} 24' 52''$ East, along the west R.O.W. line of said Lake Houston Parkway common with the east line of aforesaid 6.1969 acre tract (as tract 3), a distance of 101.31 feet to a found 5/8-inch iron with cap in the southeast corner of aforesaid 6.1969 acre tract and the corner of the herein described tract;

THENCE, South $86^{\circ} 32' 25''$ West, a distance of 1,120.16 feet to a found 5/8-inch iron rod in an angle point in the south line of aforesaid 6.1969 acre tract (as tract 3) and an angle point in the north line of Lot 32 in Block 1 of Summerwood, Section 1 Seven Oaks Village, a plat recorded under F.C. No. 377086 of the H.C.M.R. and an angle in the south line of the herein described tract;

THENCE, South $86^{\circ} 18' 10''$ West, along the south line of aforesaid 6.1969 acre tract, at 807.72 feet to a found 5/8-inch iron rod with cap in the common corner of Lot 9 in Block 1 of said Summerwood, Section 4 Seven Oaks Village and the northeast corner of a called 8.987 acre (Drill Site No. 1) recorded under H.C.C.F. No. K225262, continuing with a total distance of 1,575.52 feet to a found 5/8-inch iron with cap in the east line of aforesaid 152.3576 acre tract (as tract 1) and the southwest corner of aforesaid 6.1969 acre tract and the corner of a called 643.028 acre tract recorded under H.C.C.F. No. T383499 and the interior corner of the herein described tract;

THENCE, South 00° 00' 13" West, along the east line of aforesaid 152.3576 acre tract (as tract 1) common with the west line of said 643.028 acre tract, a distance of 1,592.68 feet to a 5/8 inch iron rod with cap stamped 'KUO' set in southeast corner of aforesaid 152.3576 acre tract (as tract 1) common with the northeast corner of a called 0.13 acre tract conveyed to Genstar Summerwood LP recorded under H.C.C.F. No. 20100078574 and the corner of the herein described tract;

THENCE, South 89° 59' 44" West, a distance of 4,157.14 feet to a found 5/8-inch iron rod found in the southwest corner of aforesaid 152.3576 acre tract (as tract 1) and the northwest corner of Reserve "A" of Summerwood Sec 23 recorded under F.C. No. 633261 of the H.C.M.R. and the corner of the herein described tract;

THENCE, North 05° 11' 43" East, a distance of 245.50 feet to a found 5/8-inch iron rod found for an angle point of the herein described parcel;

THENCE, North 02° 37' 23" East, a distance of 970.50 feet to a found 5/8-inch iron rod with cap in the southeast corner of aforesaid 7,6709 acre tract (as tract 5) and the northeast corner of Restricted Reserve "A" in Block 1 of Humble ISD Middle School No. 8 and an interior corner of the herein described tract;

THENCE, South 86° 47' 23" West, at 1,011.50 feet to a found 3/8-inch iron pipe in the northwest corner of Restricted Reserve "A" in Block 1 of said Humble ISD Middle School No. 8 and the northeast corner of Unrestricted Reserve "A" in Block 1 of Woodson Park Apartments recorded under F.C. No. 647246 of the H.C.M.R., continuing with a total distance of 1,414.00 feet to a found 5/8-inch iron with cap for an interior corner of the herein described tract;

THENCE, South 40° 02' 21" West, a distance of 764.23 feet to a found 5/8-inch iron rod in the northeasterly R.O.W. line of aforesaid North Belt and the corner of the herein described tract;

THENCE, North 50° 03' 06" West, a distance of 199.19 feet to the POINT OF BEGINNING and containing 226.9261 acre (9,884,902 square feet) of land, more or less.

Victor Blanco League Grant Survey
Abstract No. 2
Harris County, Texas

Tract 2
226.9261 Acre (9,884,902 Sq. Ft.)
Page No. 7 of 7

All bearings and distances are based on Texas State Plane Coordinate System, South Central Zone, NAD 83 (CORS96). All distances are in surface.

The coordinates shown hereon are Texas South Central Zone No. 4204 State Plane Grid Coordinates (NAD83) and may be brought to surface by dividing by the combined scale factor 0.99991976405.

A survey plat has been prepared in association with this field note description.

Compiled By:

Shahcen Chowdhury, 09/17/15
Shahcen Chowdhury
Registered Professional Land Surveyor
Texas Reg. No. 5858

Kuo & Associates, Inc.
10700 Richmond Ave., Suite 113
Houston, Texas 77042
Ph.: (713) 975-8769
TBPLS Firm Registration No. 10075600



EXHIBIT "B"

Estimated Scope of Expansion Facilities

- Two (2) concrete digester basins (one to be temporarily used as an aeration basin during some or all of the Service Period)
- Blowers / aeration system
- Concrete gravity thickener (to be temporarily used as a clarifier during some or all of the Service Period)
- Elevated steel headworks structure with a rotating drum fine screen
- Steel chlorine contact basin
- Associated electrical improvements
- Associated site-work and piping improvements

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



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

September 13, 2024

Mr. Vernon Webb II, P.E.
District Engineer
IDS Engineering Group
13430 Northwest Freeway, Suite 700
Houston, Texas 77040

RE: Application to Renew Permit No.: WQ0014625001 (EPA I.D. No. TX0127981)
Applicant Name: Generation Park Management District (CN604386060)
Site Name: Generation Park Management District West WWTF (RN104611942)
Type of Application: Renewal with Minor Amendment

VIA EMAIL

Dear Mr. Webb:

We have received the application for the above referenced permit, and it is currently under review. Your attention to the following item(s) are requested before we can declare the application administratively complete. Please submit responses to the following items via email.


1. TCEQ Core Data Form, Section III, Items 27 & 28: This section was left blank please provide the latitude and longitude and return this updated page with the response to this letter.
2. Administrative Report 1.0, Section 8, items E: Please complete the Bilingual Notice Requirements section numbers 2-4. Please submit updated pages 6 and 7 of the application with the response to this letter.
3. The following is a portion of the NORI which contains information relevant to your application. **Please read it carefully and indicate if it contains any errors or omissions.** The complete notice will be sent to you once the application is declared administratively complete.

APPLICATION. Generation Park Management District, 1300 Post Oak Boulevard, Suite 2400, Houston, Texas 77056, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0014625001 (EPA I.D. No. TX0127981) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 2,800,000 gallons per day. The domestic wastewater facility is located at 13939 Lockwood Road, in the city of Houston, in Harris County, Texas 77044. The discharge route is from the plant site to Harris County Flood Control District Ditch; thence to Greens Bayou Above Tidal. TCEQ received this application on August 30, 2024. The permit application will be available for viewing and copying at TCEQ Region 12 Office, reception area, 5425 Polk Street, Houston, 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=-95.21361,29.923611&level=18>

Further information may also be obtained from Generation Park Management District at the address stated above or by calling Mr. Vernon Webb II, P.E., District Engineer, IDS Engineering Group, at 832-590-7210.

4. The application indicates that public notices in Spanish are required. After confirming the portion of the NORI above does not contain any errors or omissions, please use the attached template to translate the NORI into Spanish. Only the first and last paragraphs are unique to this application and require translation. Please provide the translated Spanish NORI in a **Microsoft Word document**.
5. Please provide an electronic copy of the complete application in a single PDF file. The electronic copy may be submitted via email to WO-ARPTeam@tceq.texas.gov (25MB size file or smaller) or via TCEQs file transfer protocol (FTP) server using the following steps.
 - a. Sign in and upload your application as a single PDF file using the TCEQ FTP server: <https://ftps.tceq.texas.gov/index.php>.
 - b. Share the uploaded file to the email address: WODECopy@tceq.texas.gov.For complete instructions on using the TCEQ FTP server, please visit: <https://ftps.tceq.texas.gov/help/>. For other questions about the submittal of electronic copies, please view the [frequently asked questions](#) .
6. Plain Language Summary (PLS) Template: The PLS attachments provided in the application listed the incorrect flow, please **add 2,800,000 MGD**. Please use the attached Plain Language Summary (PLS) Template to provide a plain language summary in English and in Spanish.

Please submit the complete response, addressed to my attention by September 27, 2024. If you should have any questions, please do not hesitate to contact me by phone at (512) 239-4658 or by email at rachel.ellis@tceq.texas.gov

Sincerely,



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

re

Enclosure(s)

Attachment 1-Municipal Discharge Renewal Spanish NORI
Attachment 2-Municipal TPDES and TLAP PLS Form
Attachment 3-Municipal TPDES and TLAP PLS Form (Spanish)

Mr. Vernon Webb II, P.E.
Page 3
September 13, 2024
Permit No. WQ0014625001

cc: Mr. Daniel Ringold, District Attorney, Schwartz, Page & Harding, L.L.P., 1300 Post Oak
Boulevard, Suite 2400, Houston, Texas 77056

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



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

October 11, 2024

Ms. Vonda Riley
Administrative Assistant
IDS Engineering Group
13430 Northwest Freeway, Suite 700
Houston, Texas 77040

RE: Declaration of Administrative Completeness
Applicant Name: Generation Park Management District (WQ0014625001)
Permit No.: WQ0014625001 (EPA I.D. No. TX0127981)
Site Name: Generation Park Management District West WWTF (RN104611942)
Type of Application: Renewal with Minor amendment

Dear Ms. Riley:

The executive director has declared the above referenced application, received on August 30, 2024 administratively complete on October 11, 2024.

You are now required to publish notice of your proposed activity and make a copy of the application available for public review. The following items are included to help you meet the regulatory requirements associated with this notice:

- Instructions for Public Notice
- Notice for Newspaper Publication
- Public Notice Verification Form
- Publisher's Affidavits

You must follow all the directions in the enclosed instructions. The most common mistakes are the unauthorized changing of notice, wording, or font. If you fail to follow these instructions, you may be required to republish the notices.

The following requirements are also described in the enclosed instructions. However, due to their importance, they are highlighted here as well.

1. Publish the enclosed notice within **30 calendar days** after your application is declared administratively complete. (See this letter's first paragraph for the declaration date.) **You may be required to publish the notice in more than one newspaper, including a newspaper published in an alternative language, to satisfy all of the notice requirements.**
2. On or before the date you publish notice, place a copy of your permit application in a public place in the county where the facility is or will be located. This copy must be accessible to the public for review and copying, must be updated to reflect changes to the application, and must remain in place throughout the comment period.
3. For each publication, submit proof of publication of the notice that shows the publication date and newspaper name to the Office of the Chief Clerk within **30 calendar days** after notice is published in the newspaper.

Ms. Vonda Riley

Page 2

October 11, 2024

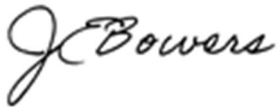
Permit No. WQ0014625001

4. Return the original enclosed Public Notice Verification and the Publisher's Affidavits to the Office of the Chief Clerk within **30 calendar days** after the notice is published in the newspaper.

If you do not comply with **all** the requirements described in the instructions, further processing of your application may be suspended, or the agency may take other actions.

If you have any questions regarding publication requirements, please contact the Office of Legal Services at (512) 239-0600. If you have any questions regarding the content of the notice, please contact Rachel Ellis at (512) 239-4658 or rachel.ellis@tceq.texas.gov.

Sincerely,

A handwritten signature in black ink that reads "JEBowers". The signature is written in a cursive, flowing style.

Jennifer E. Bowers
Section Manager, Water Quality Division Support
Office of Water
Texas Commission of Environmental Quality

JEB/re

Enclosures

Central Registry Internal Reporting

[Main Query Page](#)[Program Area Search](#)

Additional ID Detail

Additional ID Program	WWPERMIT		Legacy System (Code)	(WQ)	
Additional ID	WQ0014625001	Status	ACTIVE	ID Type	PERMIT
Name	GENERATION PARK MANAGEMENT DISTRICT WEST WWTF			Sec. Addn Id	TX0127981, EPA ID
Physical Address	13939 LOCKWOOD ROAD, HOUSTON, TX 77044				
Description	LOCATED 350 FT W OF LOCKWOOD RD AND 3850 FT W OF THE INTERSECTION OF SAM HOUSTON TOLLWAY AND LOCKWOOD RD				
County	HARRIS	Region	REGION 12 - HOUSTON		
Nearest City	HOUSTON	State	TX	Nearest Zip	77044
Latitude	29° 55 min 25 sec (29.923611)		Longitude	95° 12 min 49 sec (-95.21361)	

[Map It](#)[Copy Map It URL](#)[Prior Names](#)

Industry Types

Classification System	Code	Name	Primary Flag
NAICS	221320	Sewage Treatment Facilities	Y
SIC	4952	Sewerage Systems	Y

Industry Type: (1-2 of 2 Records)

Site Classifications

Program	Site Classification	Begin Date	End Date	CMS Min Freq Qty
WASTEWATER	DOMESTIC MAJOR	09/28/2016	12/31/3000	0
WASTEWATER	DOMESTIC MINOR	10/14/2005	09/27/2016	0

Site Classification: (1-2 of 2 Records)

Customers

[List All](#)

CN Number	Name ▲	Role
---------------------------	------------------------	----------------------

CN Number	Name ▲	Role
CN604386060	GENERATION PARK MANAGEMENT DISTRICT	OWN

Customers: (1-1 of 1 Record)

Issued To

CN Number	Issued To Name	Start Date	'Issued To' History
CN604386060	GENERATION PARK MANAGEMENT DISTRICT	12/10/2015	View

Issued To: (1-1 of 1 Record)

Regulated Entity

Reference Number	RN104611942	Name	HARRIS COUNTY MUD 402 WWTP	Stand-Alone	N
Business Description	WASTEWATER TREATMENT FACILITY				

Location

Address	Not on file				
Description	LOCATED 350 FT W OF LOCKWOOD RD 3850 FT W OF INTX OF BELTWAY 8 TOLLWAY AND LOCKWOOD RD IN HARRIS COUNTY				
County	HARRIS		Region	REGION 12 - HOUSTON	
Nearest City	HOUSTON	State	TX	Nearest Zip	77044
Latitude	29° 55 min 24 sec (29.923333)		Longitude	95° 12 min 50 sec (-95.213888)	

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 [Texas.gov](#) |
 [Texas Homeland Security](#) |
 [TRAIL Statewide Archive](#) |
 [Texas Veterans Portal](#)

TCEQ ePay Receipt

Transaction Information

Trace Number: 582EA000623693
Date: 08/30/2024 09:14 AM
Payment Method: CC - Authorization 0000030208
ePay Actor: DEZARIE GILLAMAC
TCEQ Amount: \$2,015.00
Texas.gov Price:: \$2,060.59*

* 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: LINDSEY WHATLEY
Company: IDS ENGINEERING GROUP
Address: 13430 NORTHWEST FREEWAY, HOUSTON, TX 77040
Phone: 713-462-3178

Cart Items

Voucher	Fee Description	AR Number	Amount
719475	WW PERMIT - FACILITY WITH FLOW >= 1.0 MGD - RENEWAL		\$2,000.00
719476	30 TAC 305.53B WQ RENEWAL NOTIFICATION FEE		\$15.00
		TCEQ Amount:	\$2,015.00



Basis 2 A/R Outstanding Past Due Transactions Detail Report By Customer Name

SEP-13-24 06:30 AM

Customer Name: GENERAL CRANE USAAccount #: 0902554Debtcollpath Stage: WHOLD:REFERRED,UNCOL:EXHAUSTCalls:

Total of delinquent transactions (Account): \$1070.01

Total of delinquent transactions (Customer): \$1070.01

Customer Name: GENERAL EXCAV & EQUIP CO INCAccount #: 0003286UDebtcollpath Stage: WHOLD:REFERRED,UNCOL:EXHAUSTCalls:

UST	OBAL	Opening balance from previous		31-AUG-95	30-SEP-95	\$100.00
UST	UST0511815	U'GROUND TANK FEE TANKS:FY98	0000005199	31-OCT-99	30-NOV-99	\$100.00
UST	UST0511817	U'GROUND TANK FEE TANKS:FY96	0000005199	31-OCT-99	30-NOV-99	\$100.00
UST	UST0511818	U'GROUND TANK FEE TANKS:FY95	0000005199	31-OCT-99	30-NOV-99	\$100.00
UST	UST0511819	U'GROUND TANK FEE TANKS:FY94	0000005199	31-OCT-99	30-NOV-99	\$100.00
UST	UST0511814	U'GROUND TANK FEE TANKS:FY99	0000005199	31-OCT-99	30-NOV-99	\$100.00
UST	UST0511816	U'GROUND TANK FEE TANKS:FY97	0000005199	31-OCT-99	30-NOV-99	\$100.00
UST	UST0511813	U'GROUND TANK FEE TANKS:FY00	0000005199	31-OCT-99	30-NOV-99	\$100.00
UST	SC2301-001	LATE FEE FOR UST0511819	0000005199	09-SEP-02	09-OCT-02	\$.48
UST	SC2301-002	LATE FEE FOR UST0511818	0000005199	09-SEP-02	09-OCT-02	\$.48
UST	SC2301-003	LATE FEE FOR UST0511817	0000005199	09-SEP-02	09-OCT-02	\$.48
UST	SC2301-004	LATE FEE FOR UST0511816	0000005199	09-SEP-02	09-OCT-02	\$.48
UST	SC2301-005	LATE FEE FOR UST0511815	0000005199	09-SEP-02	09-OCT-02	\$.48
UST	SC2301-006	LATE FEE FOR UST0511814	0000005199	09-SEP-02	09-OCT-02	\$.48
UST	SC2301-007	LATE FEE FOR UST0511813	0000005199	09-SEP-02	09-OCT-02	\$.48

Total of delinquent transactions (Account): \$803.36

Total of delinquent transactions (Customer): \$803.36

Customer Name: GENERAL LEASING COAccount #: 0036597UDebtcollpath Stage: WHOLD:REFERRED,UNCOL:EXHAUSTCalls:

UST	OBAL	Opening balance from previous		31-AUG-95	30-SEP-95	\$1000.00
UST	UST0399554	U'GROUND TANK FEE TANKS:FY96	49944	06-OCT-95	06-NOV-95	\$150.00
UST	UST0389458	U'GROUND TANK FEE TANKS:FY96	30575	06-OCT-95	06-NOV-95	\$150.00

Total of delinquent transactions (Account): \$1300.00

Total of delinquent transactions (Customer): \$1300.00

Customer Name: GENERAL PARTNERSHIP EFREM TSEGAccount #: 20046640Debtcollpath Stage: AGENCY:REFERRED,WHOLD:REFERREDCalls: MAIL

GPS	SC00270883	LATE FEE - FEB 2021		10-FEB-21	10-FEB-21	\$10.00
GPS	SC00272729	LATE FEE - APR 2021		10-APR-21	10-APR-21	\$.85
GPS	GPS0249630	SW WQ ANNUAL FEE	FY22 TXR05EM55	31-DEC-21	31-JAN-22	\$200.00
GPS	GPS0249630	COLLECTION COST RECOVERY		06-MAY-22	06-MAY-22	\$50.00

Total of delinquent transactions (Account): \$260.85

Total of delinquent transactions (Customer): \$260.85

Customer Name: GENEVA EGLANDAccount #: 23705443Debtcollpath Stage: UNCOL:EXHAUSTCalls:

WDV	WDV0025944	ADMIN PENALTY	FY11 101568PSTE	30-JUL-11	30-AUG-11	\$3675.00
WDV	SC00064955	ADMIN PENALTY-NOV 2011		10-NOV-11	10-NOV-11	\$18.37
WDV	WDV0025944	COLLECTION COST RECOVERY		02-DEC-11	02-DEC-11	\$918.75
WDV	SC00067120	ADMIN PENALTY-DEC 2011		12-DEC-11	12-DEC-11	\$18.37
WDV	SC00069356	ADMIN PENALTY-JAN 2012		10-JAN-12	10-JAN-12	\$18.37
WDV	SC00071264	ADMIN PENALTY-FEB 2012		10-FEB-12	10-FEB-12	\$18.37

Total of delinquent transactions (Account): \$4667.23

Total of delinquent transactions (Customer): \$4667.23

Customer Name: GENEVIEVE VAUGHANAccount #: 22000434Debtcollpath Stage:Calls:

RGR	SC00347821	LATE FEE - MAY 2024		10-MAY-24	10-MAY-24	\$1.37
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ZIP Code™ by Address ([/zip-code-lookup.htm?byaddress](https://www.ups.com/zip-code-lookup.htm?byaddress))

ZIP Code™ by City and State ([/zip-code-lookup.htm?bycitystate](https://www.ups.com/zip-code-lookup.htm?bycitystate))

Cities by ZIP Code™ ([/zip-code-lookup.htm?citybyzipcode](https://www.ups.com/zip-code-lookup.htm?citybyzipcode))

FAQs (<https://www.ups.com/zip-code-lookup.htm?faq>)

Look Up a ZIP Code™ FAQs

ZIP Code™ by Address

You entered:

13430 NORTHWEST FWY, STE 700
HOUSTON TX

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

13430 NORTHWEST FWY STE 700
HOUSTON TX **77040-6091**

Look Up Another ZIP Code™

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Feedback

ZIP Code™ by Address ([/zip-code-lookup.htm?byaddress](https://www.uzipcode.com/zip-code-lookup.htm?byaddress))

ZIP Code™ by City and State ([/zip-code-lookup.htm?bycitystate](https://www.uzipcode.com/zip-code-lookup.htm?bycitystate))

Cities by ZIP Code™ ([/zip-code-lookup.htm?citybyzipcode](https://www.uzipcode.com/zip-code-lookup.htm?citybyzipcode))

FAQs

(<https://www.uzipcode.com/zip-code-lookup.htm?faq>)

Look Up a ZIP Code™

FAQs

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ZIP Code™ by Address

You entered:

1281 BRITTMOORE RD.
HOUSTON TX

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

1281 BRITTMOORE RD
HOUSTON TX **77043-4001**

Feedback

Look Up Another ZIP Code™

Edit and Search Again ([/zip-code-lookup.htm?byaddress](https://www.uzipcode.com/zip-code-lookup.htm?byaddress))

ZIP Code™ by Address ([/zip-code-lookup.htm?byaddress](https://www.uzipcode.com/zip-code-lookup.htm?byaddress))

ZIP Code™ by City and State ([/zip-code-lookup.htm?bycitystate](https://www.uzipcode.com/zip-code-lookup.htm?bycitystate))

Cities by ZIP Code™ ([/zip-code-lookup.htm?citybyzipcode](https://www.uzipcode.com/zip-code-lookup.htm?citybyzipcode))

FAQs

(<https://www.uzipcode.com/zip-code-lookup.htm?faq>)

Look Up a ZIP Code™

FAQs

(<https://www.uzipcode.com/zip-code-lookup.htm?faq>)

ZIP Code™ by Address

You entered:

2002 W. GRAND PARKWAY N, STE 100
KATY TX

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

2002 W GRAND PKWY N STE 100
KATY TX **77449-1964**

Feedback

Look Up Another ZIP Code™

Edit and Search Again ([/zip-code-lookup.htm?byaddress](https://www.uzipcode.com/zip-code-lookup.htm?byaddress))

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

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

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

FAQs

Look Up a ZIP Code™

FAQs

(<https://www.ups.com/zipcode/faq>)

(<https://www.ups.com/zipcode/faq>)

ZIP Code™ by Address

You entered:

1300 POST OAK BLVD SUITE 2400
HOUSTON TX

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

1300 POST OAK BLVD STE 2400
HOUSTON TX **77056-3044**

Look Up Another ZIP Code™

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

Feedback

Texas Commission On Environmental Quality

Public service & government in Houston, TX




 Website

 Directions

Book

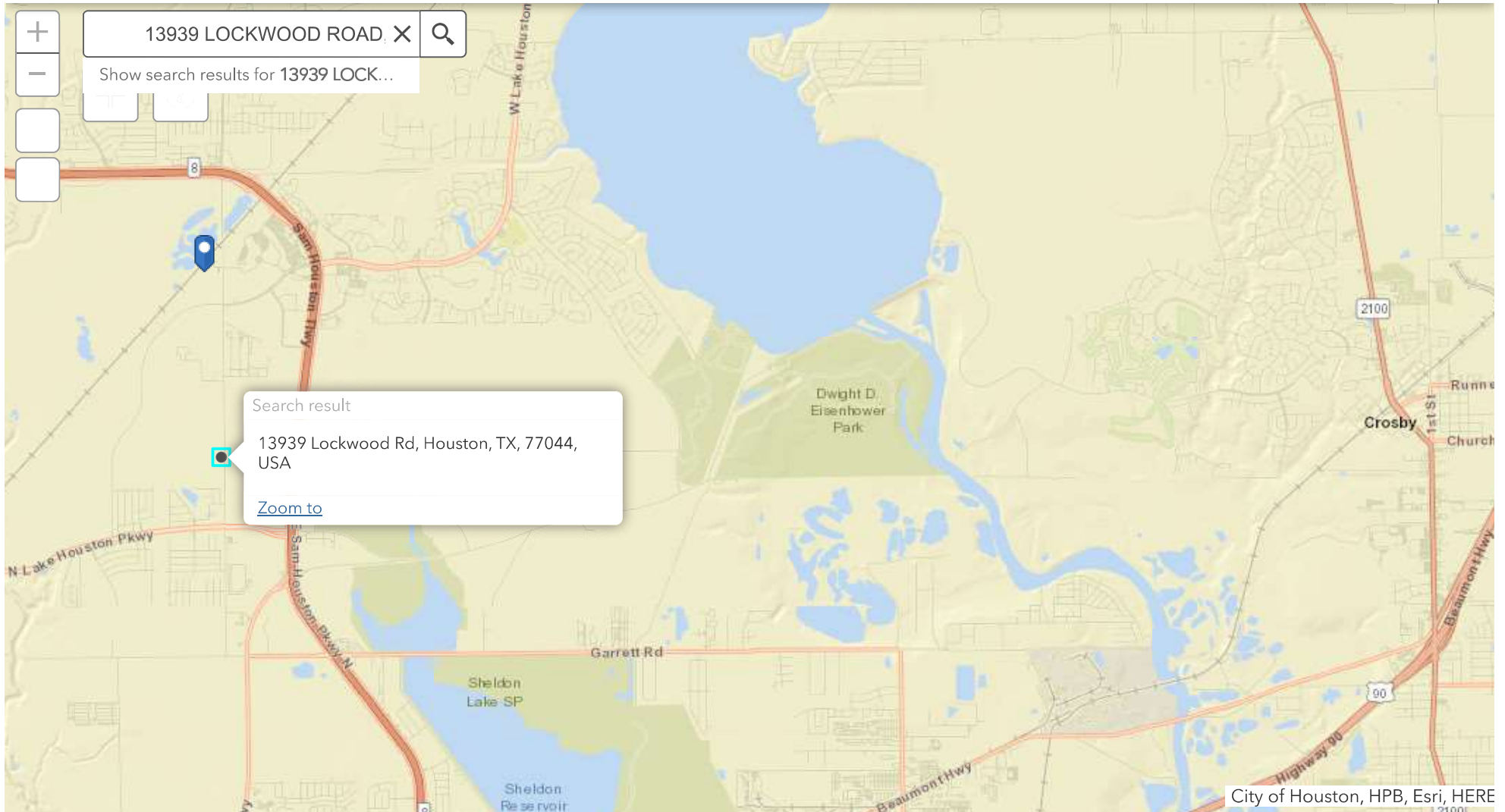
 5425 Polk St Ste H, Houston, TX 77023

 (512) 239-1000

 **Open** · Closes 5 PM ▲

Friday	8 AM - 5 PM
Saturday	Closed
Sunday	Closed
Monday	8 AM - 5 PM
Tuesday	8 AM - 5 PM
Wednesday	8 AM - 5 PM
Thursday	8 AM - 5 PM

 Suggest an edit · Your business? Claim now



1mi

-95.168 29.917 Degrees

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~~ ^{Domestic} 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.)

TCEQ ePay Voucher Receipts are included, see Attachment No. 6

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 NO. 1

CORE DATA FORM



TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input checked="" type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input type="checkbox"/> Other
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN 604386060		RN 104611942

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)			
<input type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership <input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)					
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>					
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)				<i>If new Customer, enter previous Customer below:</i>	
Generation Park Management District					
7. TX SOS/CPA Filing Number		8. TX State Tax ID (11 digits)		9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)
11. Type of Customer:		<input type="checkbox"/> Corporation <input type="checkbox"/> Individual		Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited	
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input checked="" type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship		<input type="checkbox"/> Other:	
12. Number of Employees				13. Independently Owned and Operated?	
<input checked="" type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following					
<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator <input type="checkbox"/> Other: <input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant					
15. Mailing Address:		Schwartz, Page & Harding, L.L.P. 1300 Post Oak Blvd., Suite 2400			
City		Houston		State	TX
ZIP		77056		ZIP + 4	
16. Country Mailing Information (if outside USA)				17. E-Mail Address (if applicable)	
				dringold@sphllp.com	
18. Telephone Number		19. Extension or Code		20. Fax Number (if applicable)	

SECTION III: Regulated Entity Information**21. General Regulated Entity Information** (If "New Regulated Entity" is selected, a new permit application is also required.)
☐ New Regulated Entity ☒ Update to Regulated Entity Name ☒ Update to Regulated Entity Information

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

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

Generation Park Management District West Wastewater Treatment Plant

23. Street Address of the Regulated Entity:(No PO Boxes)

13939 Lockwood Road

City

Houston

State

TX

ZIP

77044

ZIP + 4

24. County

Harris

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

25. Description to Physical Location:**26. Nearest City**

State

Nearest ZIP Code

Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).

27. Latitude (N) In Decimal:**28. Longitude (W) In Decimal:**

Degrees

Minutes

Seconds

Degrees

Minutes

Seconds

29. Primary SIC Code**30. Secondary SIC Code****31. Primary NAICS Code****32. Secondary NAICS Code**

(4 digits)

(4 digits)

(5 or 6 digits)

(5 or 6 digits)

4952

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

Wastewater Treatment Facility

34. Mailing Address:

Schwartz, Page & Harding, L.L.P.

1300 Post Oak Blvd, Suite 2400

City

Houston

State

TX

ZIP

77056

ZIP + 4

3078

35. E-Mail Address:

dringold@sphllp.com

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

(713) 623-4531

(713) 623-6143

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:
	14625-001			

SECTION IV: Preparer Information

40. Name:	AnnMarie Burns		41. Title:	Design Engineer
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address	
(832) 590-7153		() -	aburns@idseg.com	

SECTION V: Authorized Signature

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

Company:	Generation Park Management District	Job Title:	Board Vice President
Name (In Print):	John R. Deboben	Phone:	(713) 623- 4531
Signature:		Date:	8/21/2024

ATTACHMENT NO. 2

PLAIN LANGUAGE SUMMARY
(ENGLISH AND SPANISH)

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

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.

Generation Park Management District (CN604386060) operates Generation Park Management District West Wastewater Treatment Plant (RN104611942), a domestic wastewater treatment facility. The facility is located 13939 Lockwood Road, in Houston, Harris County, Texas 77044.

This application is for a renewal to discharge at an annual average flow of 640,000 gallons per day of treated domestic wastewater via Outfall 1 into HCFCD ditch P127-00-00 and ultimately to Greens Bayou.

Discharges from the facility are expected to contain Carbonaceous Biochemical Oxygen Demand (5-day)(CBOD₅), total suspended solids (TSS), ammonia nitrogen (N-NH₄), Total Copper, Total Kjeldahl Nitrogen, and E.coli. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent and Domestic Worksheet 4.0 in the permit application package. Domestic wastewater is treated by activated sludge process with single stage nitrification.

Resumen en lenguaje sencillo para las solicitudes de permisos del Sistema de Eliminación de Descargas Contaminantes de Texas (TPDES) y de la Solicitud de Tierras de Texas (TLAP)

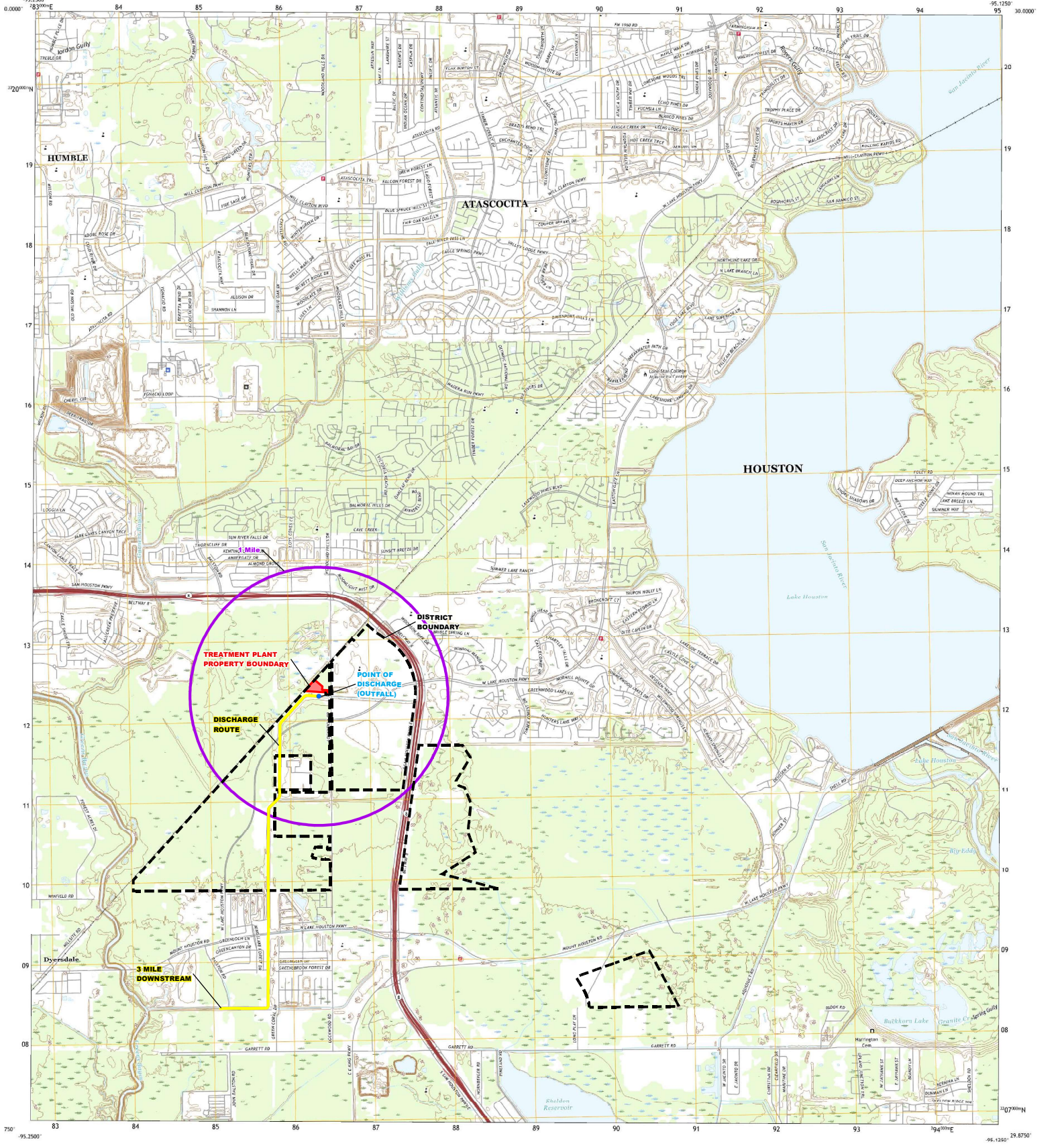
El siguiente resumen se proporciona para esta solicitud de permiso de calidad del agua pendiente que está siendo revisada por la Comisión de Calidad Ambiental de Texas según lo requerido por el Capítulo 39 del Código Administrativo de Texas 30. La información proporcionada en este resumen puede cambiar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

El Distrito de Gestión de Generation Park (CN604386060) opera la Planta de Tratamiento de Aguas Residuales del Distrito de Gestión de Generation Park Oeste (RN104611942), una instalación de tratamiento de aguas residuales domésticas. La instalación está ubicada en 13939 Lockwood Road, en Houston, Harris County, Texas 77044.

Esta solicitud es para una renovación para descargar a un flujo promedio anual de 640,000 galones por día de aguas residuales domésticas tratadas a través del Desagüe 1 en la zanja P127-00-00 de HCFCD y, finalmente, en Greens Bayou.

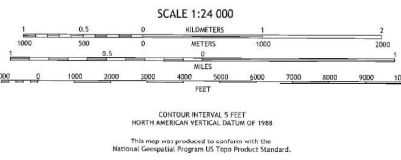
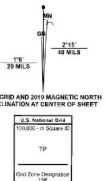
Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno carbonoso (5 días) (CBOD₅), sólidos suspendidos totales (TSS), nitrógeno amoniacal (N-NH₄), cobre total, nitrógeno Kjeldahl total y E. coli. En la sección 7 del Informe Técnico Nacional 1.0 se incluyen contaminantes potenciales adicionales. Análisis de Contaminantes de Efluentes Tratados y Hoja de Trabajo Doméstico 4.0 en el paquete de solicitud de permisos. Las aguas residuales domésticas se tratan mediante un proceso de lodos activados con nitrificación de una sola etapa.

ATTACHMENT NO. 3
USGS TOPOGRAPHIC MAP

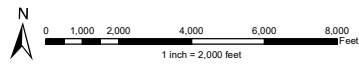


Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84) Projection and
1:50,000 scale Universal Transverse Mercator Zone 16N
This map is not a legal document. Boundary lines may be
generalized for this map scale. Private lands within government
reservations may not be shown. Obtain permission before
entering private lands.

Imagery: 2010, September 2010 - November 2010
Roads: 2010, September 2010 - November 2010
Names: 2010, September 2010 - November 2010
Hydrography: 2010, September 2010 - November 2010
Contours: 2010, September 2010 - November 2010
Boundaries: 2010, September 2010 - November 2010
Worldwide: 2010, September 2010 - November 2010



13430 NW Freeway, Suite 700
Houston, Texas 77040
Phone: 713-462-3178



GENERATION PARK MANAGEMENT DISTRICT
USGS 7.5' QUADRANGLE MAP

ATTACHMENT NO. 4

LANDOWNERS MAP

N/A

ATTACHMENT NO. 5
SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

TCEQ USE ONLY:

Application type: ____Renewal ____Major Amendment ____Minor Amendment ____New

County: _____ Segment Number: _____

Admin Complete Date: _____

Agency Receiving SPIF:

____ Texas Historical Commission

____ U.S. Fish and Wildlife

____ Texas Parks and Wildlife Department

____ U.S. Army Corps of Engineers

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

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

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

The following applies to all applications:

1. Permittee: Generation Park Management District

Permit No. WQ00 14625001EPA ID No. TX 0127981

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

13939 Lockwood Road, Houston, TX 77044

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: Vernon H. Webb, II

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

Title: District Engineer

Mailing Address: 13430 Northwest Freeway, Suite 700

City, State, Zip Code: Houston, TX, 77040

Phone No.: (713)462-3178 Ext.:

Fax No.:

E-mail Address: vwebb@idseg.com

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

N/A

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

Drainage Channel P127-00-00; thence to Greens Bayou above Tidal Segment No. 1016 of the San Jacinto 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):

There are no wetlands on site. Approximately 4 acres of the approximate 6.4-acre site is already cleared; the remaining site will be cleared for the final phase. Excavations will not exceed approximately 15 ft. No caves or karst features exist in the area.

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

Disturbance of vegetation in areas that have been previously disturbed. There are no wetlands on site. The site is an operational wastewater treatment plant and lift station, and the site is partially cleared. The site consists of both grass and wooded areas.

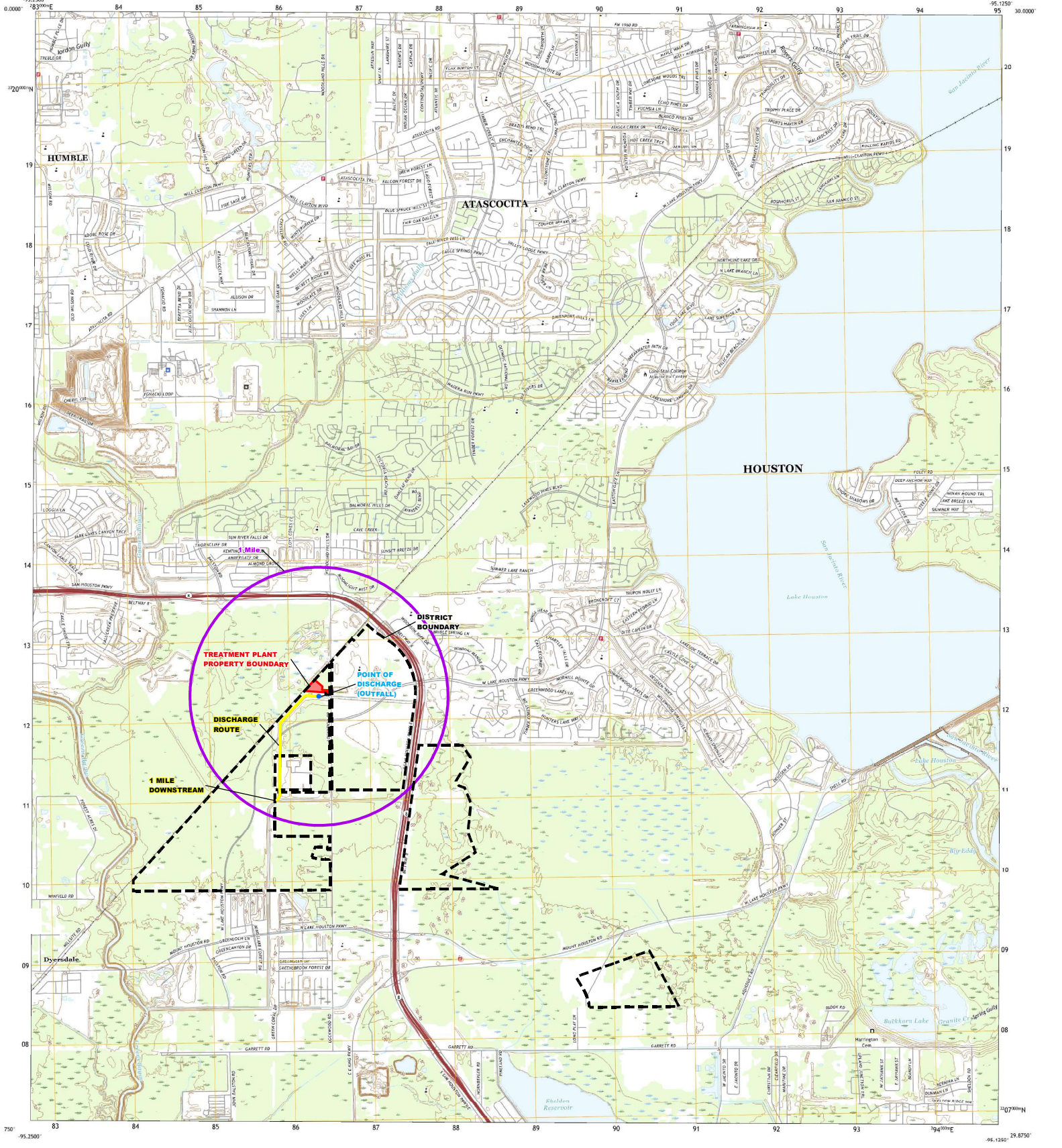
THE FOLLOWING ITEMS APPLY ONLY TO APPLICATIONS FOR NEW TPDES PERMITS AND MAJOR AMENDMENTS TO TPDES PERMITS

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

N/A

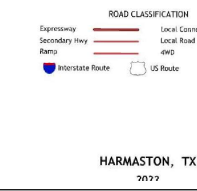
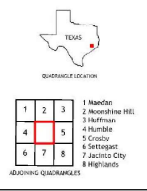
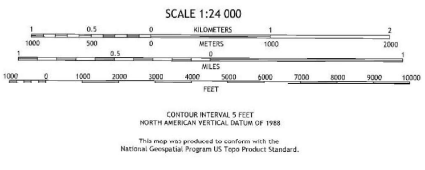
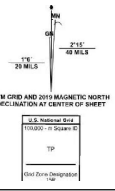
4. Provide a brief history of the property, and name of the architect/builder, if known.

N/A

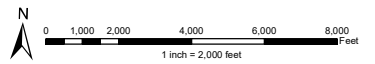


Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84) Projection and
1:50,000 scale Universal Transverse Mercator Zone 16N
This map is not a legal document. Boundaries may be
generalized for this map scale. Private lands within government
reservations may not be shown. Obtain permission before
entering private lands.

Image: NAD83, September 2010 - November 2010
Roads: U.S. Census Bureau, 2015 - 2019
Names: GNC, 1979 - 2002
Hydrography: National Hydrography Dataset, 2002 - 2018
Contours: National Elevation Dataset, 2010
Boundaries: Multiple sources; see metadata file 2019 - 2021
Worldwide: PWS National Wetlands Inventory Not Available



13430 NW Freeway, Suite 700
Houston, Texas 77040
713.462.3178



GENERATION PARK MANAGEMENT DISTRICT
USGS 7.5' QUADRANGLE MAP

ATTACHMENT NO. 6
COPY OF PAYMENT VOUCHER

TCEQ ePay Receipt

Transaction Information

Trace Number: 582EA000623693
Date: 08/30/2024 09:14 AM
Payment Method: CC - Authorization 0000030208
ePay Actor: DEZARIE GILLAMAC
TCEQ Amount: \$2,015.00
Texas.gov Price:: \$2,060.59*

* 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: LINDSEY WHATLEY
Company: IDS ENGINEERING GROUP
Address: 13430 NORTHWEST FREEWAY, HOUSTON, TX 77040
Phone: 713-462-3178

Cart Items

Voucher	Fee Description	AR Number	Amount
719475	WW PERMIT - FACILITY WITH FLOW >= 1.0 MGD - RENEWAL		\$2,000.00
719476	30 TAC 305.53B WQ RENEWAL NOTIFICATION FEE		\$15.00
		TCEQ Amount:	\$2,015.00

TCEQ ePay Voucher Receipt

Transaction Information

Voucher Number: 719475
Trace Number: 582EA000623693
Date: 08/30/2024 09:14 AM
Payment Method: CC - Authorization 0000030208
Voucher Amount: \$2,000.00
Fee Type: WW PERMIT - FACILITY WITH FLOW >= 1.0 MGD - RENEWAL
ePay Actor: DEZARIE GILLAMAC

Payment Contact Information

Name: LINDSEY WHATLEY
Company: IDS ENGINEERING GROUP
Address: 13430 NORTHWEST FREEWAY, HOUSTON, TX 77040
Phone: 713-462-3178

Site Information

Site Name: GENERATION PARK MANAGEMENT DISTRICT WEST WASTEWATER TREATMENT PLANT
Site Address: 13939 LOCKWOOD RD, HOUSTON, TX 77044
Site Location: LOCATED 13939 LOCKWOOD RD HOUSTON TX 77044

Customer Information

Customer Name: GENERATION PARK MANAGEMENT DISTRICT
Customer Address: 1300 POST OAK BLVD SUITE 2400, HOUSTON, TX 77056

Other Information

Program Area ID: 0014625001

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

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

☒ E-mail Address

☐ Fax

☐ Regular Mail

C. Contact permit to be listed in the Notices

Prefix: Mr.

Last Name, First Name: Webb II, Vernon

Title: District Engineer

Credential: P.E.

Organization Name: IDS Engineering Group

Mailing Address: 13430 Northwest Fwy, Ste 700

City, State, Zip Code: Houston, TX 77040

Phone No.: (832) 590-7210

E-mail Address: vwebb@idseg.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: TCEQ Region 12 Office

Location within the building: Reception Area

Physical Address of Building: 5425 Polk Street

City: Houston

County: Harris

Contact (Last Name, First Name): N/A

Phone No.: (713) 767-3500 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: Attachment 2

G. Public Involvement Plan Form

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

Attachment: N/A

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

A. If the site is currently regulated by TCEQ, provide the Regulated Entity Number (RN) issued to this site. RN 104611942

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):

Generation Park Management District West Wastewater Treatment Plant

C. Owner of treatment facility: Generation Park Management District

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

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

Prefix: N/A

Last Name, First Name: Generation Park Management District

Title: Click to enter text.

Credential: Click to enter text.

Organization Name: c/o Schwartz, Page & Harding, L.L.P.

Mailing Address: 1300 Post Oak Blvd, Ste 2400

City, State, Zip Code: Houston, TX 77056

Phone No.: (713) 623-4531

E-mail Address: N/A

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

Attachment: N/A

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity' is selected, a new permit application is also required.)								
<input type="checkbox"/> New Regulated Entity <input checked="" 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>								
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)								
Generation Park Management District West Wastewater Treatment Plant								
23. Street Address of the Regulated Entity: (No PO Boxes)	13939 Lockwood Road							
	City	Houston	State	TX	ZIP	77044	ZIP + 4	
24. County	Harris							

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

25. Description to Physical Location:								
26. Nearest City					State		Nearest ZIP Code	
<i>Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).</i>								
27. Latitude (N) In Decimal:			29.923723			28. Longitude (W) In Decimal:		-95.213243
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds			
29	55	25.4	-95	12	47.68			
29. Primary SIC Code (4 digits)		30. Secondary SIC Code (4 digits)		31. Primary NAICS Code (5 or 6 digits)		32. Secondary NAICS Code (5 or 6 digits)		
4952								
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)								
Wastewater Treatment Facility								
34. Mailing Address:		Schwartz, Page & Harding, L.L.P.						
		1300 Post Oak Blvd, Suite 2400						
		City	Houston	State	TX	ZIP	77056	ZIP + 4
35. E-Mail Address:		dringold@sphllp.com						
36. Telephone Number			37. Extension or Code			38. Fax Number (if applicable)		
(713) 623-4531						(713) 623-6143		

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.

From: [AnnMarie Burns \(IDS\)](#)
To: [Garrison Layne](#)
Cc: [Vernon Webb \(IDS\)](#); [Daniel Ringold](#); [Vonda Riley \(IDS\)](#)
Subject: RE: Notice of deficiency for the draft permit WQ0014625001
Date: Friday, May 23, 2025 12:50:05 PM
Attachments: [image002.jpg](#)
[image003.png](#)
[IDSLogo_5ea57a36-034e-4d9f-9dc3-7635dd64db78.jpg](#)
[WWTP-BUFFER-0.640 MGD-WWTP 0.640 MGD.pdf](#)
[WWTP-BUFFER-0.700 MGD-WWTP 0.700 MGD.pdf](#)
[WWTP-BUFFER-ULTIMATE-WWTP Ultimate.pdf](#)

Good afternoon,

Please see attached Buffer Zone Maps for the 0.64 MGD Interim I, 0.70 MGD Interim II, and 2.8 MGD Ultimate phases.

Please let us know if you need anything else for the draft permit. Thanks,



AnnMarie Burns, E.I.T.

Design Engineer

13430 Northwest Freeway, Suite 700, Houston, Texas 77040

Main: 713.462.3178 | Direct: 832.590.7153

ABurns@idseg.com

[Website](#) | [Facebook](#) | [LinkedIn](#)

TxEng Firm 2726 | TxSurv Firm 10110700

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From: Vernon Webb (IDS) <VWebb@idseg.com>

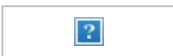
Sent: Thursday, May 22, 2025 12:34 PM

To: Daniel Ringold <dringold@sphllp.com>; Garrison Layne <Garrison.Layne@tceq.texas.gov>; Vonda Riley (IDS) <VRiley@idseg.com>

Cc: AnnMarie Burns (IDS) <ABurns@idseg.com>

Subject: RE: Notice of deficiency for the draft permit WQ0014625001

Yes sir.



Vernon H. Webb, II, P.E.

Senior Project Manager

Main: 713.462.3178 | Direct: 832.590.7210 | Cell: 832.473.2162

From: Daniel Ringold <dringold@sphllp.com>

Sent: Thursday, May 22, 2025 12:33 PM

To: Garrison Layne <Garrison.Layne@tceq.texas.gov>; Vernon Webb (IDS) <VWebb@idseg.com>; Vonda Riley (IDS) <VRiley@idseg.com>

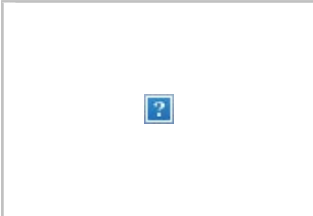
Subject: RE: Notice of deficiency for the draft permit WQ0014625001

[EXTERNAL EMAIL]

Vernon,

Will IDS address this request?

Thank you,
Daniel



Daniel Ringold

PARTNER

Main: (713) 623-4531

dringold@sphllp.com

1300 Post Oak Boulevard, Suite 2400
Houston, TX 77056

***** ATTENTION TO PUBLIC OFFICIALS *****

A "REPLY TO ALL" OF THIS EMAIL COULD LEAD TO VIOLATIONS OF THE TEXAS OPEN MEETINGS ACT. PLEASE REPLY ONLY TO SENDER.

***** CONFIDENTIALITY NOTICE *****

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To the extent this communication contains any statement regarding federal taxes, such statement was not written or intended to be used, and cannot be used, by any person as a basis for avoiding federal tax penalties that may be imposed on that person.

From: Garrison Layne <Garrison.Layne@tceq.texas.gov>

Sent: Thursday, May 22, 2025 11:24 AM

To: vwebb@idseg.com; vriley@idseg.com; Daniel Ringold <dringold@sphllp.com>

Subject: Notice of deficiency for the draft permit WQ0014625001

Good Morning Daniel,

After looking over the existing permit WQ0014625001 and the permit application it appears that a buffer zone map for the new phase of 0.7 MGD was not provided to TCEQ and was wondering if you could please provide me with one.

Then the other request I have is now that the 0.375 MGD phase has been removed from the draft permit could you please update the 0.64 MGD buffer zone map to mention it as the Interim I phase instead of the Interim II phase for the draft permit.

Please let me know if you have any questions.

Thank you,
Garrison Layne



Compliance History Report

Compliance History Report for CN604386060, RN104611942, Rating Year 2024 which includes Compliance History (CH) components from September 1, 2019, through August 31, 2024.

Customer, Respondent, or Owner/Operator:	CN604386060, Generation Park Management District	Classification: HIGH	Rating: 0.00
Regulated Entity:	RN104611942, HARRIS COUNTY MUD 402 WWTP	Classification: HIGH	Rating: 0.00
Complexity Points:	12	Repeat Violator: NO	
CH Group:	08 - Sewage Treatment Facilities		
Location:	LOCATED 350 FT W OF LOCKWOOD RD 3850 FT W OF INTX OF BELTWAY 8 TOLLWAY AND LOCKWOOD RD IN HARRIS COUNTY HARRIS, TX, HARRIS COUNTY		
TCEQ Region:	REGION 12 - HOUSTON		
ID Number(s):			
WASTEWATER PERMIT WQ0014625001	WASTEWATER EPA ID TX0127981		
Compliance History Period:	September 01, 2019 to August 31, 2024	Rating Year: 2024	Rating Date: 09/01/2024
Date Compliance History Report Prepared:	October 21, 2024		
Agency Decision Requiring Compliance History:	Permit - Issuance, renewal, amendment, modification, denial, suspension, or revocation of a permit.		
Component Period Selected:	August 30, 2019 to October 21, 2024		
TCEQ Staff Member to Contact for Additional Information Regarding This Compliance History.			
Name: PT	Phone: (512) 239-3581		

Site and Owner/Operator History:

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

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

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

N/A

B. Criminal convictions:

N/A

C. Chronic excessive emissions events:

N/A

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

Item 1	September 19, 2019	(1608448)
Item 2	September 30, 2019	(1601537)
Item 3	October 16, 2019	(1615318)
Item 4	November 19, 2019	(1621121)
Item 5	December 19, 2019	(1628459)
Item 6	January 20, 2020	(1636080)
Item 7	February 19, 2020	(1642703)
Item 8	March 18, 2020	(1649205)
Item 9	April 20, 2020	(1655569)
Item 10	July 16, 2020	(1675608)
Item 11	September 17, 2020	(1688940)

Item 12	September 23, 2020	(1682382)
Item 13	October 19, 2020	(1695309)
Item 14	November 20, 2020	(1718525)
Item 15	December 18, 2020	(1718526)
Item 16	February 19, 2021	(1731584)
Item 17	March 19, 2021	(1731585)
Item 18	April 20, 2021	(1731586)
Item 19	May 20, 2021	(1743075)
Item 20	June 03, 2021	(1711339)
Item 21	June 18, 2021	(1748612)
Item 22	July 20, 2021	(1753696)
Item 23	August 19, 2021	(1759079)
Item 24	September 17, 2021	(1768450)
Item 25	October 19, 2021	(1779200)
Item 26	November 18, 2021	(1785631)
Item 27	December 17, 2021	(1792680)
Item 28	January 19, 2022	(1800517)
Item 29	February 16, 2022	(1808345)
Item 30	March 18, 2022	(1821956)
Item 31	April 20, 2022	(1821957)
Item 32	May 19, 2022	(1830856)
Item 33	June 17, 2022	(1837106)
Item 34	July 20, 2022	(1844290)
Item 35	August 18, 2022	(1850502)
Item 36	September 16, 2022	(1858233)
Item 37	October 17, 2022	(1864570)
Item 38	November 17, 2022	(1871478)
Item 39	December 19, 2022	(1877342)
Item 40	January 20, 2023	(1884148)
Item 41	February 20, 2023	(1891960)
Item 42	June 20, 2023	(1921094)
Item 43	July 19, 2023	(1928075)
Item 44	July 27, 2023	(1903052)
Item 45	August 18, 2023	(1935012)
Item 46	September 19, 2023	(1941232)
Item 47	October 20, 2023	(1947990)
Item 48	November 17, 2023	(1953677)
Item 49	December 20, 2023	(1963468)
Item 50	January 16, 2024	(1970041)
Item 51	February 19, 2024	(1979122)
Item 52	March 18, 2024	(1985678)
Item 53	April 19, 2024	(1992219)
Item 54	May 20, 2024	(1998661)
Item 55	June 19, 2024	(2005613)
Item 56	July 17, 2024	(2013184)
Item 57	August 19, 2024	(2018997)

E. Written notices of violations (NOV) (CCEDS Inv. Track. No.):

A notice of violation represents a written allegation of a violation of a specific regulatory requirement from the commission to a regulated entity. A notice of violation is not a final enforcement action, nor proof that a violation has actually occurred.

N/A

F. Environmental audits:

N/A

G. Type of environmental management systems (EMSs):

N/A

H. Voluntary on-site compliance assessment dates:

Compliance History Report for CN604386060, RN104611942, Rating Year 2024 which includes Compliance History (CH) components from August 30, 2019, through October 21, 2024. Ratings are pending Mass Classification.

N/A

I. Participation in a voluntary pollution reduction program:

N/A

J. Early compliance:

N/A

Sites Outside of Texas:

N/A

DMR DATA

WQ0014625001 - GENERATION PARK MANAGEMENT DISTRICT

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure	Reported Measure
				DAILY AV (mg/L)	SINGGRAB (mg/L)	DAILY AV (lb/d)
TX0127981	7/31/2019	001A	BOD, carbonaceous [5 day, 20 C]	2.64	4.26	2.14
TX0127981	8/31/2019	001A	BOD, carbonaceous [5 day, 20 C]	3.17	4.74	2.89
TX0127981	9/30/2019	001A	BOD, carbonaceous [5 day, 20 C]	3.27	3.49	3.45
TX0127981	10/31/2019	001A	BOD, carbonaceous [5 day, 20 C]	2.92	3.86	2.4
TX0127981	11/30/2019	001A	BOD, carbonaceous [5 day, 20 C]	2.78	3.16	1.71
TX0127981	12/31/2019	001A	BOD, carbonaceous [5 day, 20 C]	4.29	5.46	2.87
TX0127981	1/31/2020	001A	BOD, carbonaceous [5 day, 20 C]	3.64	4.73	3.13
TX0127981	2/29/2020	001A	BOD, carbonaceous [5 day, 20 C]	4.11	5.33	3.48
TX0127981	3/31/2020	001A	BOD, carbonaceous [5 day, 20 C]	5.24	11.5	4.64
TX0127981	4/30/2020	001A	BOD, carbonaceous [5 day, 20 C]	4.24	5.33	2.94
TX0127981	5/31/2020	001A	BOD, carbonaceous [5 day, 20 C]	3.4	4.41	2.28
TX0127981	6/30/2020	001A	BOD, carbonaceous [5 day, 20 C]	2.81	3.65	2.3
TX0127981	7/31/2020	001A	BOD, carbonaceous [5 day, 20 C]	3.73	4.6	2.9
TX0127981	8/31/2020	001A	BOD, carbonaceous [5 day, 20 C]	3.91	4.9	2.61
TX0127981	9/30/2020	001A	BOD, carbonaceous [5 day, 20 C]	3.52	4.45	2.65
TX0127981	10/31/2020	001A	BOD, carbonaceous [5 day, 20 C]	4.83	6.11	3.76
TX0127981	11/30/2020	001A	BOD, carbonaceous [5 day, 20 C]	3.84	4.96	2.14
TX0127981	12/31/2020	001A	BOD, carbonaceous [5 day, 20 C]	3.89	5.09	2.04
TX0127981	1/31/2021	001A	BOD, carbonaceous [5 day, 20 C]	3.31	4.26	2.12
TX0127981	2/28/2021	001A	BOD, carbonaceous [5 day, 20 C]	3.06	3.68	1.07
TX0127981	3/31/2021	001A	BOD, carbonaceous [5 day, 20 C]	2.97	3.44	1.23
TX0127981	4/30/2021	001A	BOD, carbonaceous [5 day, 20 C]	3.09	4.18	1.82
TX0127981	5/31/2021	001A	BOD, carbonaceous [5 day, 20 C]	2.52	3.7	2.66
TX0127981	6/30/2021	001A	BOD, carbonaceous [5 day, 20 C]	2.64	3.23	2.03
TX0127981	7/31/2021	001A	BOD, carbonaceous [5 day, 20 C]	2.85	4.01	2.15
TX0127981	8/31/2021	001A	BOD, carbonaceous [5 day, 20 C]	2.23	2.74	1.93
TX0127981	9/30/2021	001A	BOD, carbonaceous [5 day, 20 C]	2.25	2.9	2.66
TX0127981	10/31/2021	001A	BOD, carbonaceous [5 day, 20 C]	3.16	3.47	2.23
TX0127981	11/30/2021	001A	BOD, carbonaceous [5 day, 20 C]	2.84	3.76	2.35

TX0127981	12/31/2021	001A	BOD, carbonaceous [5 day, 20 C]	3.04	5.69	2.3
TX0127981	1/31/2022	001A	BOD, carbonaceous [5 day, 20 C]	3.7	6.66	2.98
TX0127981	2/28/2022	001A	BOD, carbonaceous [5 day, 20 C]	2.75	4.57	1.66
TX0127981	3/31/2022	001A	BOD, carbonaceous [5 day, 20 C]	3.58	6.05	2.28
TX0127981	4/30/2022	001A	BOD, carbonaceous [5 day, 20 C]	3.05	4.39	2.07
TX0127981	5/31/2022	001A	BOD, carbonaceous [5 day, 20 C]	2.98	3.91	1.95
TX0127981	6/30/2022	001A	BOD, carbonaceous [5 day, 20 C]	2.54	2.8	3.54
TX0127981	7/31/2022	001A	BOD, carbonaceous [5 day, 20 C]	2.78	3.15	4.17
TX0127981	8/31/2022	001A	BOD, carbonaceous [5 day, 20 C]	2.64	4.32	4.63
TX0127981	9/30/2022	001A	BOD, carbonaceous [5 day, 20 C]	2.43	2.99	4.12
TX0127981	10/31/2022	001A	BOD, carbonaceous [5 day, 20 C]	3.04	3.29	3.57
TX0127981	11/30/2022	001A	BOD, carbonaceous [5 day, 20 C]	3.02	5.36	3.88
TX0127981	12/31/2022	001A	BOD, carbonaceous [5 day, 20 C]	3.69	4.13	5.04
TX0127981	1/31/2023	001A	BOD, carbonaceous [5 day, 20 C]	3.34	4.72	4.46
TX0127981	2/28/2023	001A	BOD, carbonaceous [5 day, 20 C]	4.12	6.4	5.43
TX0127981	3/31/2023	001A	BOD, carbonaceous [5 day, 20 C]	3.22	4.61	3.24
TX0127981	4/30/2023	001A	BOD, carbonaceous [5 day, 20 C]	2.41	3.16	2.72
TX0127981	5/31/2023	001A	BOD, carbonaceous [5 day, 20 C]	2.47	3	2.79
TX0127981	6/30/2023	001A	BOD, carbonaceous [5 day, 20 C]	2.49	3.48	2.99
TX0127981	7/31/2023	001A	BOD, carbonaceous [5 day, 20 C]	2.03	2.03	3.04
TX0127981	8/31/2023	001A	BOD, carbonaceous [5 day, 20 C]	2.35	2.84	2.21
TX0127981	9/30/2023	001A	BOD, carbonaceous [5 day, 20 C]	2.18	2.44	2.88
TX0127981	10/31/2023	001A	BOD, carbonaceous [5 day, 20 C]	2.40	2.87	4.01
TX0127981	11/30/2023	001A	BOD, carbonaceous [5 day, 20 C]	2.05	2.09	2.16
TX0127981	12/31/2023	001A	BOD, carbonaceous [5 day, 20 C]	2.03	2.03	2.27
TX0127981	1/31/2024	001A	BOD, carbonaceous [5 day, 20 C]	2.08	2.24	2.53
TX0127981	2/29/2024	001A	BOD, carbonaceous [5 day, 20 C]	2.17	2.58	3.06
TX0127981	3/31/2024	001A	BOD, carbonaceous [5 day, 20 C]	<2.63	3.39	<2.27
TX0127981	4/30/2024	001A	BOD, carbonaceous [5 day, 20 C]	3.3	3.98	4.49
TX0127981	5/31/2024	001A	BOD, carbonaceous [5 day, 20 C]	<3.24	4.07	<4.3
TX0127981	6/30/2024	001A	BOD, carbonaceous [5 day, 20 C]	3.11	3.58	4.06
TX0127981	7/31/2024	001A	BOD, carbonaceous [5 day, 20 C]	<2.53	3.72	<3.44
TX0127981	8/31/2024	001A	BOD, carbonaceous [5 day, 20 C]	<3.62	5.36	<5.18
TX0127981	9/30/2024	001A	BOD, carbonaceous [5 day, 20 C]	<2.94	4.37	<4.48
2 YEAR AVERAGE				2.76	3.55	3.54
5 YEAR AVERAGE				3.06	4.12	2.96

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure
				MO MIN (mg/L)	MO MAX (mg/L)
TX0127981	7/31/2019	001A	Chlorine, total residual	1.32	3.91

TX0127981	8/31/2019	001A	Chlorine, total residual	1	3.99
TX0127981	9/30/2019	001A	Chlorine, total residual	1	3.99
TX0127981	10/31/2019	001A	Chlorine, total residual	1.04	3.99
TX0127981	11/30/2019	001A	Chlorine, total residual	1.01	3.81
TX0127981	12/31/2019	001A	Chlorine, total residual	1.07	3.99
TX0127981	1/31/2020	001A	Chlorine, total residual	1	3.98
TX0127981	2/29/2020	001A	Chlorine, total residual	1.21	3.99
TX0127981	3/31/2020	001A	Chlorine, total residual	1.27	3.98
TX0127981	4/30/2020	001A	Chlorine, total residual	1.63	3.99
TX0127981	5/31/2020	001A	Chlorine, total residual	1.46	3.99
TX0127981	6/30/2020	001A	Chlorine, total residual	1	3.99
TX0127981	7/31/2020	001A	Chlorine, total residual	1	3.81
TX0127981	8/31/2020	001A	Chlorine, total residual	1	1.56
TX0127981	9/30/2020	001A	Chlorine, total residual	1	3.01
TX0127981	10/31/2020	001A	Chlorine, total residual	1.13	3.98
TX0127981	11/30/2020	001A	Chlorine, total residual	1	3.97
TX0127981	12/31/2020	001A	Chlorine, total residual	1	3.74
TX0127981	1/31/2021	001A	Chlorine, total residual	1.03	3.92
TX0127981	2/28/2021	001A	Chlorine, total residual	1	3.89
TX0127981	3/31/2021	001A	Chlorine, total residual	1.01	2.39
TX0127981	4/30/2021	001A	Chlorine, total residual	1.02	1.55
TX0127981	5/31/2021	001A	Chlorine, total residual	1.02	1.53
TX0127981	6/30/2021	001A	Chlorine, total residual	1	3.76
TX0127981	7/31/2021	001A	Chlorine, total residual	1.01	2.13
TX0127981	8/31/2021	001A	Chlorine, total residual	1.01	1.86
TX0127981	9/30/2021	001A	Chlorine, total residual	1	3.19
TX0127981	10/31/2021	001A	Chlorine, total residual	1.02	3.84
TX0127981	11/30/2021	001A	Chlorine, total residual	1.07	2.31
TX0127981	12/31/2021	001A	Chlorine, total residual	1.04	3.88
TX0127981	1/31/2022	001A	Chlorine, total residual	1.15	3.97
TX0127981	2/28/2022	001A	Chlorine, total residual	1.03	3.72
TX0127981	3/31/2022	001A	Chlorine, total residual	1.02	1.9
TX0127981	4/30/2022	001A	Chlorine, total residual	1.06	2.09
TX0127981	5/31/2022	001A	Chlorine, total residual	1.03	2.18
TX0127981	6/30/2022	001A	Chlorine, total residual	1.02	1.35
TX0127981	7/31/2022	001A	Chlorine, total residual	1.02	3.99
TX0127981	8/31/2022	001A	Chlorine, total residual	1	2.07
TX0127981	9/30/2022	001A	Chlorine, total residual	1.18	2.11
TX0127981	10/31/2022	001A	Chlorine, total residual	1.13	2.87
TX0127981	11/30/2022	001A	Chlorine, total residual	1.01	3.96
TX0127981	12/31/2022	001A	Chlorine, total residual	1.21	3.95

TX0127981	1/31/2023	001A	Chlorine, total residual	1.13	3.57
TX0127981	2/28/2023	001A	Chlorine, total residual	1.07	2.03
TX0127981	3/31/2023	001A	Chlorine, total residual	1.06	3.8
TX0127981	4/30/2023	001A	Chlorine, total residual	1.36	3.49
TX0127981	5/31/2023	001A	Chlorine, total residual	1.68	3.74
TX0127981	6/30/2023	001A	Chlorine, total residual	2.15	3.64
TX0127981	7/31/2023	001A	Chlorine, total residual	1.28	2.9
TX0127981	8/31/2023	001A	Chlorine, total residual	1.28	2.9
TX0127981	9/30/2023	001A	Chlorine, total residual	1.84	3.1
TX0127981	10/31/2023	001A	Chlorine, total residual	1.32	2.7
TX0127981	11/30/2023	001A	Chlorine, total residual	2	3.69
TX0127981	12/31/2023	001A	Chlorine, total residual	1.11	3.66
TX0127981	1/31/2024	001A	Chlorine, total residual	2.46	3.49
TX0127981	2/29/2024	001A	Chlorine, total residual	2.08	3.38
TX0127981	3/31/2024	001A	Chlorine, total residual	2.64	3.73
TX0127981	4/30/2024	001A	Chlorine, total residual	1.29	3.69
TX0127981	5/31/2024	001A	Chlorine, total residual	1.82	3.85
TX0127981	6/30/2024	001A	Chlorine, total residual	2.65	3.6
TX0127981	7/31/2024	001A	Chlorine, total residual	2.57	3.22
TX0127981	8/31/2024	001A	Chlorine, total residual	2.57	3.79
TX0127981	9/30/2024	001A	Chlorine, total residual	1.86	3.03
2 YEAR AVERAGE				1.67	3.36
5 YEAR AVERAGE				1.31	3.29

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure	Reported Measure
				DAILY AV (mg/L)	SINGGRAB (mg/L)	DAILY AV (lb/d)
TX0127981	7/31/2019	001A	Copper, total [as Cu]	0.028	0.080	0.019
TX0127981	8/31/2019	001A	Copper, total [as Cu]	0.017	0.071	0.010
TX0127981	9/30/2019	001A	Copper, total [as Cu]	0.005	0.006	0.006
TX0127981	10/31/2019	001A	Copper, total [as Cu]	0.009	0.011	0.008
TX0127981	11/30/2019	001A	Copper, total [as Cu]	0.009	0.014	0.005
TX0127981	12/31/2019	001A	Copper, total [as Cu]	0.014	0.024	0.014
TX0127981	1/31/2020	001A	Copper, total [as Cu]	0.008	0.008	0.006
TX0127981	2/29/2020	001A	Copper, total [as Cu]	0.009	0.009	0.006
TX0127981	3/31/2020	001A	Copper, total [as Cu]	0.009	0.012	0.009
TX0127981	4/30/2020	001A	Copper, total [as Cu]	0.030	0.045	0.020
TX0127981	5/31/2020	001A	Copper, total [as Cu]	0.004	0.180	0.024
TX0127981	6/30/2020	001A	Copper, total [as Cu]	0.010	0.014	0.010
TX0127981	7/31/2020	001A	Copper, total [as Cu]	0.013	0.016	0.010
TX0127981	8/31/2020	001A	Copper, total [as Cu]	0.004	0.007	0.001

TX0127981	9/30/2020	001A	Copper, total [as Cu]	0.004	0.004	0.001
TX0127981	10/31/2020	001A	Copper, total [as Cu]	0.007	0.009	0.005
TX0127981	11/30/2020	001A	Copper, total [as Cu]	0.012	0.017	0.006
TX0127981	12/31/2020	001A	Copper, total [as Cu]	0.017	0.020	0.009
TX0127981	1/31/2021	001A	Copper, total [as Cu]	0.011	0.012	0.006
TX0127981	2/28/2021	001A	Copper, total [as Cu]	0.010	0.011	0.006
TX0127981	3/31/2021	001A	Copper, total [as Cu]	0.014	0.023	0.007
TX0127981	4/30/2021	001A	Copper, total [as Cu]	0.006	0.006	0.004
TX0127981	5/31/2021	001A	Copper, total [as Cu]	0.005	0.006	0.003
TX0127981	6/30/2021	001A	Copper, total [as Cu]	0.009	0.010	0.011
TX0127981	7/31/2021	001A	Copper, total [as Cu]	0.010	0.010	0.004
TX0127981	8/31/2021	001A	Copper, total [as Cu]	0.011	0.013	0.008
TX0127981	9/30/2021	001A	Copper, total [as Cu]	0.009	0.011	0.013
TX0127981	10/31/2021	001A	Copper, total [as Cu]	0.009	0.009	0.005
TX0127981	11/30/2021	001A	Copper, total [as Cu]	0.007	0.008	0.005
TX0127981	12/31/2021	001A	Copper, total [as Cu]	0.011	0.011	0.006
TX0127981	1/31/2022	001A	Copper, total [as Cu]	0.007	0.007	0.004
TX0127981	2/28/2022	001A	Copper, total [as Cu]	0.005	0.005	0.003
TX0127981	3/31/2022	001A	Copper, total [as Cu]	0.007	0.007	0.003
TX0127981	4/30/2022	001A	Copper, total [as Cu]	0.006	0.007	0.004
TX0127981	5/31/2022	001A	Copper, total [as Cu]	0.001	0.001	0.005
TX0127981	6/30/2022	001A	Copper, total [as Cu]	0.006	0.006	0.004
TX0127981	7/31/2022	001A	Copper, total [as Cu]	0.007	0.008	0.007
TX0127981	8/31/2022	001A	Copper, total [as Cu]	0.005	0.005	0.005
TX0127981	9/30/2022	001A	Copper, total [as Cu]	0.006	0.006	0.004
TX0127981	10/31/2022	001A	Copper, total [as Cu]	0.008	0.008	0.007
TX0127981	11/30/2022	001A	Copper, total [as Cu]	0.005	0.005	0.006
TX0127981	12/31/2022	001A	Copper, total [as Cu]	0.004	0.005	0.005
TX0127981	1/31/2023	001A	Copper, total [as Cu]	0.005	0.005	0.005
TX0127981	2/28/2023	001A	Copper, total [as Cu]	0.006	0.006	0.004
TX0127981	3/31/2023	001A	Copper, total [as Cu]	0.006	0.006	0.006
TX0127981	4/30/2023	001A	Copper, total [as Cu]	0.003	0.003	0.004
TX0127981	5/31/2023	001A	Copper, total [as Cu]	0.004	0.005	0.003
TX0127981	6/30/2023	001A	Copper, total [as Cu]	NODI=E	NODI=E	NODI=E
TX0127981	7/31/2023	001A	Copper, total [as Cu]	0.005	0.006	0.011
TX0127981	8/31/2023	001A	Copper, total [as Cu]	0.006	0.007	0.005
TX0127981	9/30/2023	001A	Copper, total [as Cu]	0.004	0.004	0.007
TX0127981	10/31/2023	001A	Copper, total [as Cu]	0.007	0.008	0.005
TX0127981	11/30/2023	001A	Copper, total [as Cu]	0.004	0.006	0.005
TX0127981	12/31/2023	001A	Copper, total [as Cu]	0.003	0.004	0.005
TX0127981	1/31/2024	001A	Copper, total [as Cu]	0.002	0.003	0.003

TX0127981	2/29/2024	001A	Copper, total [as Cu]	0.003	0.003	0.004
TX0127981	3/31/2024	001A	Copper, total [as Cu]	0	0	0
TX0127981	4/30/2024	001A	Copper, total [as Cu]	0	0	0
TX0127981	5/31/2024	001A	Copper, total [as Cu]	0	0	0
TX0127981	6/30/2024	001A	Copper, total [as Cu]	0	0	0
TX0127981	7/31/2024	001A	Copper, total [as Cu]	0	0	0
TX0127981	8/31/2024	001A	Copper, total [as Cu]	0	0	0
TX0127981	9/30/2024	001A	Copper, total [as Cu]	0	0	0
2 YEAR AVERAGE				0.003	0.004	0.004
5 YEAR AVERAGE				0.007	0.013	0.006

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure
				DAILY AV (CFU/100m	SINGGRAB (CFU/100mL)
TX0127981	7/31/2019	001A	E. coli	1	1
TX0127981	8/31/2019	001A	E. coli	1	1
TX0127981	9/30/2019	001A	E. coli	1	1
TX0127981	10/31/2019	001A	E. coli	1	1
TX0127981	11/30/2019	001A	E. coli	1	1
TX0127981	12/31/2019	001A	E. coli	1	1
TX0127981	1/31/2020	001A	E. coli	1	1
TX0127981	2/29/2020	001A	E. coli	1	1
TX0127981	3/31/2020	001A	E. coli	1	1
TX0127981	4/30/2020	001A	E. coli	1	1
TX0127981	5/31/2020	001A	E. coli	1	1
TX0127981	6/30/2020	001A	E. coli	1	1
TX0127981	7/31/2020	001A	E. coli	1	1
TX0127981	8/31/2020	001A	E. coli	10.8	10.8
TX0127981	9/30/2020	001A	E. coli	1	1
TX0127981	10/31/2020	001A	E. coli	1.41	2
TX0127981	11/30/2020	001A	E. coli	1.73	3
TX0127981	12/31/2020	001A	E. coli	1	1
TX0127981	1/31/2021	001A	E. coli	7.16	51.2
TX0127981	2/28/2021	001A	E. coli	1	1
TX0127981	3/31/2021	001A	E. coli	1	1
TX0127981	4/30/2021	001A	E. coli	1	1
TX0127981	5/31/2021	001A	E. coli	1	1
TX0127981	6/30/2021	001A	E. coli	1	1
TX0127981	7/31/2021	001A	E. coli	1	1
TX0127981	8/31/2021	001A	E. coli	1	1
TX0127981	9/30/2021	001A	E. coli	1	1

TX0127981	10/31/2021	001A	E. coli	1	1
TX0127981	11/30/2021	001A	E. coli	7.4	7.4
TX0127981	12/31/2021	001A	E. coli	1	1
TX0127981	1/31/2022	001A	E. coli	1	1
TX0127981	2/28/2022	001A	E. coli	1	1
TX0127981	3/31/2022	001A	E. coli	3.1	3.1
TX0127981	4/30/2022	001A	E. coli	10.54	111
TX0127981	5/31/2022	001A	E. coli	1	1
TX0127981	6/30/2022	001A	E. coli	1	1
TX0127981	7/31/2022	001A	E. coli	10.95	120
TX0127981	8/31/2022	001A	E. coli	1	1
TX0127981	9/30/2022	001A	E. coli	1	1
TX0127981	10/31/2022	001A	E. coli	7.4	7.4
TX0127981	11/30/2022	001A	E. coli	1	1
TX0127981	12/31/2022	001A	E. coli	1	1
TX0127981	1/31/2023	001A	E. coli	1	1
TX0127981	2/28/2023	001A	E. coli	36.69	276
TX0127981	3/31/2023	001A	E. coli	28.57	272
TX0127981	4/30/2023	001A	E. coli	162	162
TX0127981	5/31/2023	001A	E. coli	8.39	70.3
TX0127981	6/30/2023	001A	E. coli	1	1
TX0127981	7/31/2023	001A	E. coli	10.20	104
TX0127981	8/31/2023	001A	E. coli	1	1
TX0127981	9/30/2023	001A	E. coli	3.1	3.1
TX0127981	10/31/2023	001A	E. coli	1	1
TX0127981	11/30/2023	001A	E. coli	1	1
TX0127981	12/31/2023	001A	E. coli	2	2
TX0127981	1/31/2024	001A	E. coli	1	1
TX0127981	2/29/2024	001A	E. coli	1	1
TX0127981	3/31/2024	001A	E. coli	<1	<1
TX0127981	4/30/2024	001A	E. coli	1	1
TX0127981	5/31/2024	001A	E. coli	<1	<1
TX0127981	6/30/2024	001A	E. coli	<1	<1
TX0127981	7/31/2024	001A	E. coli	<1	<1
TX0127981	8/31/2024	001A	E. coli	<1	<1
TX0127981	9/30/2024	001A	E. coli	<1	<1
2 YEAR GEOMEAN				2.25	3.19
5 YEAR GEOMEAN				1.70	2.20

EPA ID				Reported Measure	Reported Measure
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	Monitoring Period	Outfall	Parameter	DAILY AV (MGD)	DAILY MX (MGD)
TX0127981	7/31/2019	001A	Flow, in conduit or thru treatment plant	0.06	0.12
TX0127981	8/31/2019	001A	Flow, in conduit or thru treatment plant	0.07	0.12
TX0127981	9/30/2019	001A	Flow, in conduit or thru treatment plant	0.07	0.23
TX0127981	10/31/2019	001A	Flow, in conduit or thru treatment plant	0.06	0.16
TX0127981	11/30/2019	001A	Flow, in conduit or thru treatment plant	0.05	0.12
TX0127981	12/31/2019	001A	Flow, in conduit or thru treatment plant	0.05	0.11
TX0127981	1/31/2020	001A	Flow, in conduit or thru treatment plant	0.06	0.14
TX0127981	2/29/2020	001A	Flow, in conduit or thru treatment plant	0.07	0.12
TX0127981	3/31/2020	001A	Flow, in conduit or thru treatment plant	0.06	0.14
TX0127981	4/30/2020	001A	Flow, in conduit or thru treatment plant	0.05	0.10
TX0127981	5/31/2020	001A	Flow, in conduit or thru treatment plant	0.06	0.12
TX0127981	6/30/2020	001A	Flow, in conduit or thru treatment plant	0.07	0.16
TX0127981	7/31/2020	001A	Flow, in conduit or thru treatment plant	0.07	0.11
TX0127981	8/31/2020	001A	Flow, in conduit or thru treatment plant	0.06	0.11
TX0127981	9/30/2020	001A	Flow, in conduit or thru treatment plant	0.07	0.25
TX0127981	10/31/2020	001A	Flow, in conduit or thru treatment plant	0.06	0.11
TX0127981	11/30/2020	001A	Flow, in conduit or thru treatment plant	0.05	0.09
TX0127981	12/31/2020	001A	Flow, in conduit or thru treatment plant	0.06	0.10
TX0127981	1/31/2021	001A	Flow, in conduit or thru treatment plant	0.06	0.10
TX0127981	2/28/2021	001A	Flow, in conduit or thru treatment plant	0.05	0.12
TX0127981	3/31/2021	001A	Flow, in conduit or thru treatment plant	0.06	0.09
TX0127981	4/30/2021	001A	Flow, in conduit or thru treatment plant	0.07	0.12
TX0127981	5/31/2021	001A	Flow, in conduit or thru treatment plant	0.09	0.22
TX0127981	6/30/2021	001A	Flow, in conduit or thru treatment plant	0.09	0.18
TX0127981	7/31/2021	001A	Flow, in conduit or thru treatment plant	0.09	0.19
TX0127981	8/31/2021	001A	Flow, in conduit or thru treatment plant	0.11	0.15
TX0127981	9/30/2021	001A	Flow, in conduit or thru treatment plant	0.11	0.20
TX0127981	10/31/2021	001A	Flow, in conduit or thru treatment plant	0.09	0.14
TX0127981	11/30/2021	001A	Flow, in conduit or thru treatment plant	0.10	0.19
TX0127981	12/31/2021	001A	Flow, in conduit or thru treatment plant	0.08	0.11
TX0127981	1/31/2022	001A	Flow, in conduit or thru treatment plant	0.07	0.12
TX0127981	2/28/2022	001A	Flow, in conduit or thru treatment plant	0.06	0.10
TX0127981	3/31/2022	001A	Flow, in conduit or thru treatment plant	0.07	0.12
TX0127981	4/30/2022	001A	Flow, in conduit or thru treatment plant	0.08	0.13
TX0127981	5/31/2022	001A	Flow, in conduit or thru treatment plant	0.08	0.14
TX0127981	6/30/2022	001A	Flow, in conduit or thru treatment plant	0.10	0.17
TX0127981	7/31/2022	001A	Flow, in conduit or thru treatment plant	0.11	0.19
TX0127981	8/31/2022	001A	Flow, in conduit or thru treatment plant	0.13	0.25
TX0127981	9/30/2022	001A	Flow, in conduit or thru treatment plant	0.12	0.23
TX0127981	10/31/2022	001A	Flow, in conduit or thru treatment plant	0.10	0.21

TX0127981	11/30/2022	001A	Flow, in conduit or thru treatment plant	0.12	0.20
TX0127981	12/31/2022	001A	Flow, in conduit or thru treatment plant	0.11	0.22
TX0127981	1/31/2023	001A	Flow, in conduit or thru treatment plant	0.10	0.23
TX0127981	2/28/2023	001A	Flow, in conduit or thru treatment plant	0.11	0.19
TX0127981	3/31/2023	001A	Flow, in conduit or thru treatment plant	0.11	0.19
TX0127981	4/30/2023	001A	Flow, in conduit or thru treatment plant	0.12	0.23
TX0127981	5/31/2023	001A	Flow, in conduit or thru treatment plant	0.13	0.37
TX0127981	6/30/2023	001A	Flow, in conduit or thru treatment plant	0.13	0.23
TX0127981	7/31/2023	001A	Flow, in conduit or thru treatment plant	0.12	0.38
TX0127981	8/31/2023	001A	Flow, in conduit or thru treatment plant	0.12	0.38
TX0127981	9/30/2023	001A	Flow, in conduit or thru treatment plant	0.17	0.42
TX0127981	10/31/2023	001A	Flow, in conduit or thru treatment plant	0.18	0.56
TX0127981	11/30/2023	001A	Flow, in conduit or thru treatment plant	0.14	0.35
TX0127981	12/31/2023	001A	Flow, in conduit or thru treatment plant	0.15	0.29
TX0127981	1/31/2024	001A	Flow, in conduit or thru treatment plant	0.17	0.41
TX0127981	2/29/2024	001A	Flow, in conduit or thru treatment plant	0.15	0.33
TX0127981	3/31/2024	001A	Flow, in conduit or thru treatment plant	0.13	0.35
TX0127981	4/30/2024	001A	Flow, in conduit or thru treatment plant	0.15	0.33
TX0127981	5/31/2024	001A	Flow, in conduit or thru treatment plant	0.20	0.43
TX0127981	6/30/2024	001A	Flow, in conduit or thru treatment plant	0.19	0.41
TX0127981	7/31/2024	001A	Flow, in conduit or thru treatment plant	0.19	0.38
TX0127981	8/31/2024	001A	Flow, in conduit or thru treatment plant	0.20	0.46
TX0127981	9/30/2024	001A	Flow, in conduit or thru treatment plant	0.20	0.39
2 YEAR AVERAGE				0.14	0.33
5 YEAR AVERAGE				0.10	0.22

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure	Reported Measure
				DAILY AV (mg/L)	SINGGRAB (mg/L)	DAILY AV (lb/d)
TX0127981	7/31/2019	001A	Nitrogen, ammonia total [as N]	0.36	1.41	0.31
TX0127981	8/31/2019	001A	Nitrogen, ammonia total [as N]	1.65	5.18	1.48
TX0127981	9/30/2019	001A	Nitrogen, ammonia total [as N]	0.14	0.2	0.16
TX0127981	10/31/2019	001A	Nitrogen, ammonia total [as N]	0.22	0.72	0.25
TX0127981	11/30/2019	001A	Nitrogen, ammonia total [as N]	0.52	1.85	0.22
TX0127981	12/31/2019	001A	Nitrogen, ammonia total [as N]	0.2	0.38	0.16
TX0127981	1/31/2020	001A	Nitrogen, ammonia total [as N]	0.31	0.84	0.33
TX0127981	2/29/2020	001A	Nitrogen, ammonia total [as N]	0.1	0.16	0.09
TX0127981	3/31/2020	001A	Nitrogen, ammonia total [as N]	0.32	1.19	0.24
TX0127981	4/30/2020	001A	Nitrogen, ammonia total [as N]	0.87	1.65	0.65
TX0127981	5/31/2020	001A	Nitrogen, ammonia total [as N]	0.26	0.38	0.16
TX0127981	6/30/2020	001A	Nitrogen, ammonia total [as N]	0.15	0.33	0.12

TX0127981	7/31/2020	001A	Nitrogen, ammonia total [as N]	0.09	0.15	0.06
TX0127981	8/31/2020	001A	Nitrogen, ammonia total [as N]	0.18	0.2	0.12
TX0127981	9/30/2020	001A	Nitrogen, ammonia total [as N]	0.15	0.3	0.1
TX0127981	10/31/2020	001A	Nitrogen, ammonia total [as N]	0.22	0.29	0.17
TX0127981	11/30/2020	001A	Nitrogen, ammonia total [as N]	0.33	0.69	0.21
TX0127981	12/31/2020	001A	Nitrogen, ammonia total [as N]	0.69	1.84	0.47
TX0127981	1/31/2021	001A	Nitrogen, ammonia total [as N]	0.66	1.84	0.44
TX0127981	2/28/2021	001A	Nitrogen, ammonia total [as N]	0.61	1.05	0.2
TX0127981	3/31/2021	001A	Nitrogen, ammonia total [as N]	0.47	1.16	0.19
TX0127981	4/30/2021	001A	Nitrogen, ammonia total [as N]	0.14	0.25	0.08
TX0127981	5/31/2021	001A	Nitrogen, ammonia total [as N]	0.12	0.13	0.11
TX0127981	6/30/2021	001A	Nitrogen, ammonia total [as N]	0.17	0.27	0.13
TX0127981	7/31/2021	001A	Nitrogen, ammonia total [as N]	0	0.22	0.11
TX0127981	8/31/2021	001A	Nitrogen, ammonia total [as N]	0.11	0.3	0.08
TX0127981	9/30/2021	001A	Nitrogen, ammonia total [as N]	0.16	0.44	0.19
TX0127981	10/31/2021	001A	Nitrogen, ammonia total [as N]	0.08	0.11	0.06
TX0127981	11/30/2021	001A	Nitrogen, ammonia total [as N]	0.12	0.18	0.1
TX0127981	12/31/2021	001A	Nitrogen, ammonia total [as N]	0.08	0.15	0.06
TX0127981	1/31/2022	001A	Nitrogen, ammonia total [as N]	0.4	1.01	0.31
TX0127981	2/28/2022	001A	Nitrogen, ammonia total [as N]	0.34	1.02	0.24
TX0127981	3/31/2022	001A	Nitrogen, ammonia total [as N]	0.41	0.85	0.25
TX0127981	4/30/2022	001A	Nitrogen, ammonia total [as N]	0.28	0.66	0.2
TX0127981	5/31/2022	001A	Nitrogen, ammonia total [as N]	0.14	0.23	0.11
TX0127981	6/30/2022	001A	Nitrogen, ammonia total [as N]	0.21	0.37	0.29
TX0127981	7/31/2022	001A	Nitrogen, ammonia total [as N]	0.32	0.78	0.48
TX0127981	8/31/2022	001A	Nitrogen, ammonia total [as N]	0.13	0.18	0.21
TX0127981	9/30/2022	001A	Nitrogen, ammonia total [as N]	0.12	0.24	0.19
TX0127981	10/31/2022	001A	Nitrogen, ammonia total [as N]	0.2	0.28	0.24
TX0127981	11/30/2022	001A	Nitrogen, ammonia total [as N]	0.31	1.13	0.32
TX0127981	12/31/2022	001A	Nitrogen, ammonia total [as N]	0.18	0.2	0.26
TX0127981	1/31/2023	001A	Nitrogen, ammonia total [as N]	0.34	0.64	0.42
TX0127981	2/28/2023	001A	Nitrogen, ammonia total [as N]	0.60	0.78	0.77
TX0127981	3/31/2023	001A	Nitrogen, ammonia total [as N]	0.29	0.79	0.30
TX0127981	4/30/2023	001A	Nitrogen, ammonia total [as N]	0.10	0.16	0.10
TX0127981	5/31/2023	001A	Nitrogen, ammonia total [as N]	0.08	0.13	0.09
TX0127981	6/30/2023	001A	Nitrogen, ammonia total [as N]	0.19	0.56	0.24
TX0127981	7/31/2023	001A	Nitrogen, ammonia total [as N]	0.08	0.18	0.11
TX0127981	8/31/2023	001A	Nitrogen, ammonia total [as N]	1.26	5.58	1.31
TX0127981	9/30/2023	001A	Nitrogen, ammonia total [as N]	0.07	0.09	0.10
TX0127981	10/31/2023	001A	Nitrogen, ammonia total [as N]	0.11	0.18	0.13
TX0127981	11/30/2023	001A	Nitrogen, ammonia total [as N]	0.06	0.08	0.06

TX0127981	12/31/2023	001A	Nitrogen, ammonia total [as N]	0.05	0.05	0.06
TX0127981	1/31/2024	001A	Nitrogen, ammonia total [as N]	0.08	0.11	0.1
TX0127981	2/29/2024	001A	Nitrogen, ammonia total [as N]	0.15	0.46	0.15
TX0127981	3/31/2024	001A	Nitrogen, ammonia total [as N]	<.0872	0.13	<.0762
TX0127981	4/30/2024	001A	Nitrogen, ammonia total [as N]	<.148	0.46	<.177
TX0127981	5/31/2024	001A	Nitrogen, ammonia total [as N]	<.225	0.73	<.28
TX0127981	6/30/2024	001A	Nitrogen, ammonia total [as N]	0.07	0.08	0.09
TX0127981	7/31/2024	001A	Nitrogen, ammonia total [as N]	<.0496	0.06	<.0662
TX0127981	8/31/2024	001A	Nitrogen, ammonia total [as N]	<1.6	6.15	<2.42
TX0127981	9/30/2024	001A	Nitrogen, ammonia total [as N]	<.316	1.09	<.497
2 YEAR AVERAGE				0.27	0.81	0.34
5 YEAR AVERAGE				0.29	0.78	0.28

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				MO MIN (mg/L)
TX0127981	7/31/2019	001A	Oxygen, dissolved [DO]	7.69
TX0127981	8/31/2019	001A	Oxygen, dissolved [DO]	7.51
TX0127981	9/30/2019	001A	Oxygen, dissolved [DO]	7.64
TX0127981	10/31/2019	001A	Oxygen, dissolved [DO]	8.11
TX0127981	11/30/2019	001A	Oxygen, dissolved [DO]	8.61
TX0127981	12/31/2019	001A	Oxygen, dissolved [DO]	6.87
TX0127981	1/31/2020	001A	Oxygen, dissolved [DO]	8.51
TX0127981	2/29/2020	001A	Oxygen, dissolved [DO]	7.86
TX0127981	3/31/2020	001A	Oxygen, dissolved [DO]	9.13
TX0127981	4/30/2020	001A	Oxygen, dissolved [DO]	8.13
TX0127981	5/31/2020	001A	Oxygen, dissolved [DO]	7.9
TX0127981	6/30/2020	001A	Oxygen, dissolved [DO]	7.51
TX0127981	7/31/2020	001A	Oxygen, dissolved [DO]	7.7
TX0127981	8/31/2020	001A	Oxygen, dissolved [DO]	7.76
TX0127981	9/30/2020	001A	Oxygen, dissolved [DO]	7.9
TX0127981	10/31/2020	001A	Oxygen, dissolved [DO]	7.9
TX0127981	11/30/2020	001A	Oxygen, dissolved [DO]	8.16
TX0127981	12/31/2020	001A	Oxygen, dissolved [DO]	9.59
TX0127981	1/31/2021	001A	Oxygen, dissolved [DO]	9.76
TX0127981	2/28/2021	001A	Oxygen, dissolved [DO]	10.1
TX0127981	3/31/2021	001A	Oxygen, dissolved [DO]	9.1
TX0127981	4/30/2021	001A	Oxygen, dissolved [DO]	8.17
TX0127981	5/31/2021	001A	Oxygen, dissolved [DO]	9.86
TX0127981	6/30/2021	001A	Oxygen, dissolved [DO]	7.98
TX0127981	7/31/2021	001A	Oxygen, dissolved [DO]	7.71

TX0127981	8/31/2021	001A	Oxygen, dissolved [DO]	7.81
TX0127981	9/30/2021	001A	Oxygen, dissolved [DO]	8.36
TX0127981	10/31/2021	001A	Oxygen, dissolved [DO]	7.63
TX0127981	11/30/2021	001A	Oxygen, dissolved [DO]	8.52
TX0127981	12/31/2021	001A	Oxygen, dissolved [DO]	7.74
TX0127981	1/31/2022	001A	Oxygen, dissolved [DO]	9.48
TX0127981	2/28/2022	001A	Oxygen, dissolved [DO]	8.87
TX0127981	3/31/2022	001A	Oxygen, dissolved [DO]	7.6
TX0127981	4/30/2022	001A	Oxygen, dissolved [DO]	5.09
TX0127981	5/31/2022	001A	Oxygen, dissolved [DO]	8.13
TX0127981	6/30/2022	001A	Oxygen, dissolved [DO]	6.89
TX0127981	7/31/2022	001A	Oxygen, dissolved [DO]	7.82
TX0127981	8/31/2022	001A	Oxygen, dissolved [DO]	7.96
TX0127981	9/30/2022	001A	Oxygen, dissolved [DO]	8.27
TX0127981	10/31/2022	001A	Oxygen, dissolved [DO]	8.02
TX0127981	11/30/2022	001A	Oxygen, dissolved [DO]	6.81
TX0127981	12/31/2022	001A	Oxygen, dissolved [DO]	7.56
TX0127981	1/31/2023	001A	Oxygen, dissolved [DO]	8.18
TX0127981	2/28/2023	001A	Oxygen, dissolved [DO]	8.1
TX0127981	3/31/2023	001A	Oxygen, dissolved [DO]	7.81
TX0127981	4/30/2023	001A	Oxygen, dissolved [DO]	8.09
TX0127981	5/31/2023	001A	Oxygen, dissolved [DO]	8.27
TX0127981	6/30/2023	001A	Oxygen, dissolved [DO]	7.72
TX0127981	7/31/2023	001A	Oxygen, dissolved [DO]	7.55
TX0127981	8/31/2023	001A	Oxygen, dissolved [DO]	7.46
TX0127981	9/30/2023	001A	Oxygen, dissolved [DO]	7.32
TX0127981	10/31/2023	001A	Oxygen, dissolved [DO]	7.96
TX0127981	11/30/2023	001A	Oxygen, dissolved [DO]	7.75
TX0127981	12/31/2023	001A	Oxygen, dissolved [DO]	7.77
TX0127981	1/31/2024	001A	Oxygen, dissolved [DO]	7.98
TX0127981	2/29/2024	001A	Oxygen, dissolved [DO]	8.81
TX0127981	3/31/2024	001A	Oxygen, dissolved [DO]	8.09
TX0127981	4/30/2024	001A	Oxygen, dissolved [DO]	7.72
TX0127981	5/31/2024	001A	Oxygen, dissolved [DO]	7.38
TX0127981	6/30/2024	001A	Oxygen, dissolved [DO]	7.42
TX0127981	7/31/2024	001A	Oxygen, dissolved [DO]	6.99
TX0127981	8/31/2024	001A	Oxygen, dissolved [DO]	6.79
TX0127981	9/30/2024	001A	Oxygen, dissolved [DO]	6.43
2 YEAR AVERAGE				7.69
5 YEAR AVERAGE				7.96

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure
				MINIMUM (SU)	MAXIMUM (SU)
TX0127981	7/31/2019	001A	pH	6.41	7.02
TX0127981	8/31/2019	001A	pH	6.72	6.98
TX0127981	9/30/2019	001A	pH	6.48	7.03
TX0127981	10/31/2019	001A	pH	6.65	7.52
TX0127981	11/30/2019	001A	pH	6.15	7.84
TX0127981	12/31/2019	001A	pH	7.11	7.36
TX0127981	1/31/2020	001A	pH	7.15	7.61
TX0127981	2/29/2020	001A	pH	7.12	7.63
TX0127981	3/31/2020	001A	pH	7.18	7.59
TX0127981	4/30/2020	001A	pH	6.86	7.93
TX0127981	5/31/2020	001A	pH	7.13	8.32
TX0127981	6/30/2020	001A	pH	6.25	8.16
TX0127981	7/31/2020	001A	pH	7.06	7.82
TX0127981	8/31/2020	001A	pH	7.02	7.71
TX0127981	9/30/2020	001A	pH	7.15	7.8
TX0127981	10/31/2020	001A	pH	7.12	7.59
TX0127981	11/30/2020	001A	pH	7.31	8.12
TX0127981	12/31/2020	001A	pH	7.42	7.71
TX0127981	1/31/2021	001A	pH	7.32	7.83
TX0127981	2/28/2021	001A	pH	6.81	8.18
TX0127981	3/31/2021	001A	pH	7.24	8.11
TX0127981	4/30/2021	001A	pH	7.36	7.96
TX0127981	5/31/2021	001A	pH	7.18	7.59
TX0127981	6/30/2021	001A	pH	7.13	7.49
TX0127981	7/31/2021	001A	pH	7.33	8.31
TX0127981	8/31/2021	001A	pH	7.24	7.59
TX0127981	9/30/2021	001A	pH	6.95	7.39
TX0127981	10/31/2021	001A	pH	7.13	7.87
TX0127981	11/30/2021	001A	pH	7.18	8.1
TX0127981	12/31/2021	001A	pH	7.26	7.75
TX0127981	1/31/2022	001A	pH	7.51	8.15
TX0127981	2/28/2022	001A	pH	7.45	8.21
TX0127981	3/31/2022	001A	pH	7.25	8.22
TX0127981	4/30/2022	001A	pH	7.04	7.69
TX0127981	5/31/2022	001A	pH	7.29	7.63
TX0127981	6/30/2022	001A	pH	6.78	8.27
TX0127981	7/31/2022	001A	pH	6.75	7.66
TX0127981	8/31/2022	001A	pH	7.11	7.74

TX0127981	9/30/2022	001A	pH	7.24	7.88
TX0127981	10/31/2022	001A	pH	7.36	8.3
TX0127981	11/30/2022	001A	pH	7.31	8.39
TX0127981	12/31/2022	001A	pH	7.83	8.39
TX0127981	1/31/2023	001A	pH	7.29	8.47
TX0127981	2/28/2023	001A	pH	7.56	8.27
TX0127981	3/31/2023	001A	pH	7.55	7.72
TX0127981	4/30/2023	001A	pH	7.35	7.86
TX0127981	5/31/2023	001A	pH	6.81	7.92
TX0127981	6/30/2023	001A	pH	7.26	7.84
TX0127981	7/31/2023	001A	pH	7.38	7.58
TX0127981	8/31/2023	001A	pH	6.73	7.72
TX0127981	9/30/2023	001A	pH	7.15	7.73
TX0127981	10/31/2023	001A	pH	7.03	7.91
TX0127981	11/30/2023	001A	pH	7.47	7.98
TX0127981	12/31/2023	001A	pH	7.39	7.77
TX0127981	1/31/2024	001A	pH	7.51	8.03
TX0127981	2/29/2024	001A	pH	7.6	7.88
TX0127981	3/31/2024	001A	pH	7.35	7.98
TX0127981	4/30/2024	001A	pH	7.75	8.22
TX0127981	5/31/2024	001A	pH	7.44	7.61
TX0127981	6/30/2024	001A	pH	6.95	7.74
TX0127981	7/31/2024	001A	pH	7.55	7.98
TX0127981	8/31/2024	001A	pH	7.35	7.83
TX0127981	9/30/2024	001A	pH	6.63	8.03
2 YEAR AVERAGE				7.31	7.96
5 YEAR AVERAGE				7.15	7.85

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure	Reported Measure
				DAILY AV (mg/L)	SINGGRAB (mg/L)	DAILY AV (lb/d)
TX0127981	7/31/2019	001A	Solids, total suspended	3.6	7.41	2.5
TX0127981	8/31/2019	001A	Solids, total suspended	4.1	5.26	3.75
TX0127981	9/30/2019	001A	Solids, total suspended	3.25	4.11	3.54
TX0127981	10/31/2019	001A	Solids, total suspended	4.46	13	2.61
TX0127981	11/30/2019	001A	Solids, total suspended	4.29	10.3	2.31
TX0127981	12/31/2019	001A	Solids, total suspended	1.84	2.84	1.12
TX0127981	1/31/2020	001A	Solids, total suspended	3.05	4.47	2.44
TX0127981	2/29/2020	001A	Solids, total suspended	4.41	10.8	3.95
TX0127981	3/31/2020	001A	Solids, total suspended	2.84	4	2.06
TX0127981	4/30/2020	001A	Solids, total suspended	2.45	3.26	1.64

TX0127981	5/31/2020	001A	Solids, total suspended	2.12	3.37	1.39
TX0127981	6/30/2020	001A	Solids, total suspended	4.5	8.32	3.94
TX0127981	7/31/2020	001A	Solids, total suspended	6.72	11.7	1.39
TX0127981	8/31/2020	001A	Solids, total suspended	9.65	14.8	6.71
TX0127981	9/30/2020	001A	Solids, total suspended	6.14	9.83	4.66
TX0127981	10/31/2020	001A	Solids, total suspended	4.03	4.53	2.69
TX0127981	11/30/2020	001A	Solids, total suspended	2.71	3.4	1.6
TX0127981	12/31/2020	001A	Solids, total suspended	3.84	6	2.08
TX0127981	1/31/2021	001A	Solids, total suspended	3.68	4.42	3.2
TX0127981	2/28/2021	001A	Solids, total suspended	4.44	7.89	1.65
TX0127981	3/31/2021	001A	Solids, total suspended	4.1	7.76	1.09
TX0127981	4/30/2021	001A	Solids, total suspended	2.98	4.21	1.7
TX0127981	5/31/2021	001A	Solids, total suspended	3.63	5.37	3.75
TX0127981	6/30/2021	001A	Solids, total suspended	4.95	7.1	3.8
TX0127981	7/31/2021	001A	Solids, total suspended	7.11	17.5	5.39
TX0127981	8/31/2021	001A	Solids, total suspended	2.61	5.05	2.1
TX0127981	9/30/2021	001A	Solids, total suspended	2.28	3.89	2.87
TX0127981	10/31/2021	001A	Solids, total suspended	4.69	7.67	3.33
TX0127981	11/30/2021	001A	Solids, total suspended	9.23	16.2	6.61
TX0127981	12/31/2021	001A	Solids, total suspended	2.7	4.32	2.02
TX0127981	1/31/2022	001A	Solids, total suspended	9.24	15	8.15
TX0127981	2/28/2022	001A	Solids, total suspended	5.13	9.05	3.38
TX0127981	3/31/2022	001A	Solids, total suspended	3.98	8.77	2.99
TX0127981	4/30/2022	001A	Solids, total suspended	3.36	4.11	2.3
TX0127981	5/31/2022	001A	Solids, total suspended	4.64	6.4	3.44
TX0127981	6/30/2022	001A	Solids, total suspended	7.89	11.1	11.12
TX0127981	7/31/2022	001A	Solids, total suspended	5.34	8.5	8
TX0127981	8/31/2022	001A	Solids, total suspended	4.39	7	7.86
TX0127981	9/30/2022	001A	Solids, total suspended	2.87	4.12	4.81
TX0127981	10/31/2022	001A	Solids, total suspended	12.2	25.7	17.85
TX0127981	11/30/2022	001A	Solids, total suspended	12.39	26	15.61
TX0127981	12/31/2022	001A	Solids, total suspended	6.4	16.4	8.14
TX0127981	1/31/2023	001A	Solids, total suspended	7.35	23.7	8.81
TX0127981	2/28/2023	001A	Solids, total suspended	1.61	2.32	2.02
TX0127981	3/31/2023	001A	Solids, total suspended	8.33	13.3	7.72
TX0127981	4/30/2023	001A	Solids, total suspended	10.96	17	12.81
TX0127981	5/31/2023	001A	Solids, total suspended	6.77	10.8	7.95
TX0127981	6/30/2023	001A	Solids, total suspended	3.84	4.84	4.90
TX0127981	7/31/2023	001A	Solids, total suspended	5.15	7.16	7.42
TX0127981	8/31/2023	001A	Solids, total suspended	8.23	9.58	7.77
TX0127981	9/30/2023	001A	Solids, total suspended	6.24	8.32	8.41

TX0127981	10/31/2023	001A	Solids, total suspended	8.31	18	16.73
TX0127981	11/30/2023	001A	Solids, total suspended	6.49	11	6.48
TX0127981	12/31/2023	001A	Solids, total suspended	6.32	7.16	7.04
TX0127981	1/31/2024	001A	Solids, total suspended	5.42	7.62	6.56
TX0127981	2/29/2024	001A	Solids, total suspended	4.82	6.95	6.46
TX0127981	3/31/2024	001A	Solids, total suspended	4.13	5.05	3.68
TX0127981	4/30/2024	001A	Solids, total suspended	4.02	6	5.3
TX0127981	5/31/2024	001A	Solids, total suspended	4	6.21	5.3
TX0127981	6/30/2024	001A	Solids, total suspended	3.48	4.21	4.61
TX0127981	7/31/2024	001A	Solids, total suspended	3.31	7.05	4.59
TX0127981	8/31/2024	001A	Solids, total suspended	3.08	4.21	4.3
TX0127981	9/30/2024	001A	Solids, total suspended	3.92	4.63	6.06
2 YEAR AVERAGE				5.99	10.29	7.65
5 YEAR AVERAGE				5.08	8.67	5.18

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				VALUE (N=0;Y=1)
TX0127981	7/31/2019	SLDF	Compliance w/part 258 sludge requirement	1
TX0127981	7/31/2020	SLDF	Compliance w/part 258 sludge requirement	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				ANNL TOT (DMT/y)
TX0127981	7/31/2019	SLDP	Annual amount of sludge land applied	0
TX0127981	7/31/2020	SLDP	Annual amount of sludge land applied	0

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				ANNL TOT (DMT/y)
TX0127981	7/31/2019	SLDP	Annual amt of sludge incinerated	0
TX0127981	7/31/2020	SLDP	Annual amt of sludge incinerated	0

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				ANNL TOT (DMT/y)
TX0127981	7/31/2019	SLDP	Annual amt sludge disposed in landfill	0
TX0127981	7/31/2020	SLDP	Annual amt sludge disposed in landfill	0

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				ANNL TOT (DMT/y)
TX0127981	7/31/2019	SLDP	Annual amt. sludge disposed surface unit	0
TX0127981	7/31/2020	SLDP	Annual amt. sludge disposed surface unit	0

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				ANNL TOT (DMT/y)
TX0127981	7/31/2019	SLDP	Annual amt sludge transported interstate	0
TX0127981	7/31/2020	SLDP	Annual amt sludge transported interstate	0

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				ANNL TOT (DMT/y)
TX0127981	7/31/2019	SLDP	Annual sludge production, total	33.47
TX0127981	7/31/2020	SLDP	Annual sludge production, total	51.4

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				ANNL MAX (mg/kg)
TX0127981	7/31/2019	SLDP	Polychlorinated biphenyls [PCBs]	<=2
TX0127981	7/31/2020	SLDP	Polychlorinated biphenyls [PCBs]	<2

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				MO AV MN (pass=0;fail=1)
TX0127981	7/31/2019	SLDP	Toxicity characteristic leaching procedure	0
TX0127981	7/31/2020	SLDP	Toxicity characteristic leaching procedure	0

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				ANNL TOT (DMT/y)
TX0127981	7/31/2019	SLDP	Ann. amt sludge disposed by other method	33.47
TX0127981	7/31/2020	SLDP	Ann. amt sludge disposed by other method	51.4

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				MX VALUE (met t/ha/yr)
TX0127981	7/31/2019	SLLA	Annual whole sludge application rate	NODI=C
TX0127981	7/31/2020	SLLA	Annual whole sludge application rate	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure	Reported Measure
				SINGSAMP (mg/kg)	MAXIMUM (mg/kg)	MX VALUE (lb/acr)
TX0127981	7/31/2019	SLLA	Arsenic, dry weight	NODI=C	NODI=C	NODI=C
TX0127981	7/31/2020	SLLA	Arsenic, dry weight	NODI=C	NODI=C	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure	Reported Measure
				SINGSAMP (mg/kg)	MAXIMUM (mg/kg)	MX VALUE (lb/acr)
TX0127981	7/31/2019	SLLA	Cadmium, dry weight	NODI=C	NODI=C	NODI=C
TX0127981	7/31/2020	SLLA	Cadmium, dry weight	NODI=C	NODI=C	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure	Reported Measure
				SINGSAMP (mg/kg)	MAXIMUM (mg/kg)	MX VALUE (lb/acr)
TX0127981	7/31/2019	SLLA	Chromium, sludge, total, dry weight [as Cr]	NODI=C	NODI=C	NODI=C
TX0127981	7/31/2020	SLLA	Chromium, sludge, total, dry weight [as Cr]	NODI=C	NODI=C	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure	Reported Measure
				SINGSAMP (mg/kg)	MAXIMUM (mg/kg)	MX VALUE (lb/acr)
TX0127981	7/31/2019	SLLA	Copper, dry weight	NODI=C	NODI=C	NODI=C
TX0127981	7/31/2020	SLLA	Copper, dry weight	NODI=C	NODI=C	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure	Reported Measure
				SINGSAMP (mg/kg)	MAXIMUM (mg/kg)	MX VALUE (lb/acr)
TX0127981	7/31/2019	SLLA	Lead, sludge, total, dry weight [as Pb]	NODI=C	NODI=C	NODI=C
TX0127981	7/31/2020	SLLA	Lead, sludge, total, dry weight [as Pb]	NODI=C	NODI=C	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure	Reported Measure
				SINGSAMP (mg/kg)	MAXIMUM (mg/kg)	MX VALUE (lb/acr)
TX0127981	7/31/2019	SLLA	Mercury, sludge, total, dry weight [as Hg]	NODI=C	NODI=C	NODI=C
TX0127981	7/31/2020	SLLA	Mercury, sludge, total, dry weight [as Hg]	NODI=C	NODI=C	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure	Reported Measure
				SINGSAMP (mg/kg)	MAXIMUM (mg/kg)	MX VALUE (lb/acr)
TX0127981	7/31/2019	SLLA	Molybdenum, sludge, total, dry weight [as Mo]	NODI=C	NODI=C	NODI=C
TX0127981	7/31/2020	SLLA	Molybdenum, sludge, total, dry weight [as Mo]	NODI=C	NODI=C	NODI=C

EPA ID				Reported Measure	Reported Measure	Reported Measure
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	Monitoring Period	Outfall	Parameter	SINGSAMP (mg/kg)	MAXIMUM (mg/kg)	MX VALUE (lb/acr)
TX0127981	7/31/2019	SLLA	Nickel, sludge, total, dry weight [as Ni]	NODI=C	NODI=C	NODI=C
TX0127981	7/31/2020	SLLA	Nickel, sludge, total, dry weight [as Ni]	NODI=C	NODI=C	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure SINGSAMP (mg/kg)	Reported Measure MAXIMUM (mg/kg)	Reported Measure MX VALUE (lb/acr)
TX0127981	7/31/2019	SLLA	Selenium, dry weight	NODI=C	NODI=C	NODI=C
TX0127981	7/31/2020	SLLA	Selenium, dry weight	NODI=C	NODI=C	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure SINGSAMP (mg/kg)	Reported Measure MAXIMUM (mg/kg)	Reported Measure MX VALUE (lb/acr)
TX0127981	7/31/2019	SLLA	Zinc, sludge, total, dry weight [as Zn]	NODI=C	NODI=C	NODI=C
TX0127981	7/31/2020	SLLA	Zinc, sludge, total, dry weight [as Zn]	NODI=C	NODI=C	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure MAXIMUM (table #)
TX0127981	7/31/2019	SLLA	Pollutant table from 503.13	NODI=C
TX0127981	7/31/2020	SLLA	Pollutant table from 503.13	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure VALUE (alt #)
TX0127981	7/31/2019	SLLA	Description of pathogen option used	NODI=C
TX0127981	7/31/2020	SLLA	Description of pathogen option used	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure VALUE (alt #)
TX0127981	7/31/2019	SLLA	Vector attraction reduction alternative used	NODI=C
TX0127981	7/31/2020	SLLA	Vector attraction reduction alternative used	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure MX VALUE (state class)
TX0127981	7/31/2019	SLLA	Level of pathogen requirements achieved	NODI=C
TX0127981	7/31/2020	SLLA	Level of pathogen requirements achieved	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure MAXIMUM (MPN/g)
TX0127981	7/31/2019	SLLY	Fecal coliform	NODI=C

TX0127981	7/31/2020	SLLY	Fecal coliform	NODI=C
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EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				MAXIMUM (MPN/g)
TX0127981	7/31/2019	SLLY	Salmonella	NODI=C
TX0127981	7/31/2020	SLLY	Salmonella	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure
				ALLWCONC (mg/kg)	SINGSAMP (mg/kg)
TX0127981	7/31/2019	SLSA	Arsenic, dry weight	NODI=C	NODI=C
TX0127981	7/31/2020	SLSA	Arsenic, dry weight	NODI=C	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				VALUE (acr)
TX0127981	7/31/2019	SLSA	Boundary areas	NODI=C
TX0127981	7/31/2020	SLSA	Boundary areas	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure
				ALLWCONC (mg/kg)	SINGSAMP (mg/kg)
TX0127981	7/31/2019	SLSA	Chromium, sludge, total, dry weight [as Cr]	NODI=C	NODI=C
TX0127981	7/31/2020	SLSA	Chromium, sludge, total, dry weight [as Cr]	NODI=C	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				VALUE (alt #)
TX0127981	7/31/2019	SLSA	Description of pathogen option used	NODI=C
TX0127981	7/31/2020	SLSA	Description of pathogen option used	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure
				ALLWCONC (mg/kg)	SINGSAMP (mg/kg)
TX0127981	7/31/2019	SLSA	Nickel, total [as Ni]	NODI=C	NODI=C
TX0127981	7/31/2020	SLSA	Nickel, total [as Ni]	NODI=C	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				MINIMUM (SU)
TX0127981	7/31/2019	SLSA	pH	NODI=C

TX0127981	7/31/2020	SLSA	pH	NODI=C
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EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				VALUE (N=0;Y=1)
TX0127981	7/31/2019	SLSA	Unit w/liner/leachate collection system	NODI=C
TX0127981	7/31/2020	SLSA	Unit w/liner/leachate collection system	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				VALUE (alt #)
TX0127981	7/31/2019	SLSA	Vector attraction reduction alternative used	NODI=C
TX0127981	7/31/2020	SLSA	Vector attraction reduction alternative used	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				SINGSAMP (state class)
TX0127981	7/31/2019	SLSA	Level of pathogen requirements achieved	NODI=C
TX0127981	7/31/2020	SLSA	Level of pathogen requirements achieved	NODI=C

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

Generation Park Management District, 1300 Post Oak Boulevard, Suite 2400, Houston, Texas 77056, has applied to the TCEQ to renew Texas Pollutant Discharge Elimination System Permit No. WQ0014625001 (EPA I.D. No. TX0127981) to authorize the discharge of treated wastewater at a volume not to exceed an annual average flow of 2,800,000 gallons per day. The domestic wastewater facility is located at 13939 Lockwood Road, in the city of Houston, in Harris County, Texas 77044. The discharge route is from the plant site to a Harris County Flood Control District ditch P127-00-00, thence to Greens Bayou Above Tidal in Segment No. 1016 of the San Jacinto River Basin. TCEQ received this application on August 30, 2024. The permit application will be available for viewing and copying at TCEQ Region 12 Office, reception area, 5425 Polk Street, Houston, Texas. The application, including any updates, and associated notices are available electronically at the following webpage:

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

This link to an electronic map of the site or facility's general location is provided as a public courtesy and is not part of the application or notice. For the exact location, refer to the application. <https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.21361,29.923611&level=18>

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

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

Issuance Date: _____

Texas Commission on Environmental Quality

INTEROFFICE MEMORANDUM

Date: 09/26/2024

To: Municipal Permits Team
Thru: Colleen Cook, Pretreatment Team Leader
From: Devon Thomas, Pretreatment Coordinator
Subject: Pretreatment program option for the TPDES Permit No. WQ0014625001, Generation Park Management District – General Park Management District West WWTP summary sheet

I have reviewed the above referenced permit and have determined that the publicly-owned treatment works (POTW) receives the standard pretreatment language.

Option 1: This general pretreatment boilerplate language should be put in TPDES permits for all POTWs that do not have either an approved pretreatment program or requirement to develop a new pretreatment program.

Within this standard language, the Pretreatment Program has not incorporated additional pretreatment language requirements. Please incorporate the following language for permittee's FACT SHEET, if applicable, under:

1. INDUSTRIAL WASTE CONTRIBUTION

The General Park Management District West WWTP does not appear to receive significant industrial wastewater contributions. Based on the information provided by the permittee in the most recent TPDES permit application, the TCEQ determined that there are no significant industrial wastewater contributions currently being discharged to the permittee's POTW.

2. PRETREATMENT REQUIREMENTS

Permit requirements for pretreatment are based on TPDES regulations contained in 30 TAC Chapter 305 which references 40 CFR Part 403, General Pretreatment Regulations for Existing and New Sources of Pollution [*rev. Federal Register/ Vol. 70/ No. 198/ Friday, October 14, 2005/ Rules and Regulations, pages 60134-60798*]. The permit includes specific requirements that establish responsibilities of local government, industry, and the public to implement the standards to control pollutants which pass through or interfere with treatment processes in publicly owned treatment works or which may contaminate the sewage sludge. This permit has appropriate pretreatment language for a facility of this size and complexity.

3. SUMMARY OF CHANGES FROM EXISTING PERMIT

The pretreatment language has not been updated from the current permit. The pretreatment requirements will continue until permit expiration.

TCEQ Interoffice Memorandum

To: Municipal Permits Team
Wastewater Permitting Section

From: Xing Lu, P.E. *Xing Lu*
Modeler, Water Quality Assessment Team
Water Quality Assessment Section

Date: November 6, 2024

Subject: Generation Park Management District
Minor Permit Amendment (WQ0014625001, TX0127981)
Discharge to a tributary of Greens Bayou Above Tidal (Segment No. 1016)

The referenced applicant is seeking a minor amendment of their permit authorizing the discharge of treated domestic wastewater into the watershed of Greens Bayou Above Tidal (Segment No. 1016). The amendment is to change the interim I flow phase to 0.64 MGD and add an additional 0.70 MGD interim II flow phase. A dissolved oxygen analysis of the referenced discharge was conducted using an updated version of the calibrated QUAL-TX model documented in the *Waste Load Evaluation WLE-1R for the Houston Ship Channel System* (September 2006) for the interim effluent flow phases of 0.64 MGD and 0.70 MGD and for a final effluent flow phase of 2.8 MGD. The facility is located in Harris County.

Based on model results, the existing effluent limits of **10 mg/L CBOD₅**, **3 mg/L NH₃-N**, and **4.0 mg/L DO** for all three phases, are predicted to be adequate to maintain the dissolved oxygen levels above the criteria stipulated by the Standards Implementation Team for Harris County Flood Control District (HCFCD) ditch P127-00-00 (2.0 mg/L), HCFCD ditch P127-00-00 (below the confluence of P127-03-00) (3.0 mg/L), HSFCD ditch P127-00-00 (below confluence with P127-01-00) (3.0 mg/L), and for Greens Bayou Above Tidal (3.0 mg/L).

Segment No. 1016 is not currently listed on the State's inventory of impaired and threatened waters (the **2020** Clean Water Act Section 303(d) list).

The TMDL project *Fourteen Total Maximum Daily Loads for Nickel in the Houston Ship Channel System* (TMDL Project No.1) **has been withdrawn and is no longer applicable.**

TMDL Project 72B: *Eight Total Maximum Daily Loads for Indicator Bacteria in Greens Bayou Above Tidal and Tributaries* has been approved for this segment.

The effluent limits recommended above have been reviewed for consistency with the State of Texas Water Quality Management Plan (WQMP). The recommended limits are consistent with the approved WQMP.

TCEQ Interoffice Memorandum

To: Municipal Permits Team
Wastewater Permitting Section

From: Sarah Musgrove, Water Quality Assessment Team
Water Quality Assessment Section

Date: October 24, 2024

Subject: Generation Park Management District
Wastewater Permit No. WQ0014625001
Critical Conditions Recommendation Memo

The following information applies to **Outfall 001**.

The TexTox menu number is **7** for an intermittent water body with perennial pools.

This discharge is to Harris County Flood Control District (HCFD) ditch P127-00-00 (intermittent) thence to the HCFCD ditch P127-00-00 (intermittent with perennial pools).

Segment No.	1016
Critical Low Flow [7Q2] (cfs)	0
% Effluent for Chronic Aquatic Life (Mixing Zone)	100
% Effluent for Acute Aquatic Life (ZID)	100
Effluent Flow for Human Health (MGD)	2.8 (Permitted)
Harmonic Mean Flow (cfs)	1.00

Human Health criteria apply for Incidental Fish Only.

There is no mixing zone established for this discharge to an intermittent stream. Acute toxic criteria apply at the point of discharge.

Also check menu 3.

The TexTox menu number is **3** for a perennial freshwater ditch, stream, or river.

This discharge is to HCFCD ditch P127-00-00 (perennial portion).

Segment No.	1016
Effluent Flow for Human Health (MGD)	2.8 (Permitted)
Harmonic Mean Flow (cfs)	1.59
Public Water Supply?	No

Human Health criteria apply for Fish Only.

TCEQ Interoffice Memorandum

OUTFALL LOCATION ¹

Outfall Number	Latitude	Longitude
001	29.922996 N	95.213368 W

¹ Latitude and Longitude values are approximations of the location for administrative purposes.

TCEQ Interoffice Memorandum

To: Municipal Permits Team
Wastewater Permitting Section

From: Jenna R. Lueg, Standards Implementation Team
Water Quality Assessment Section
Water Quality Division

Date: November 7, 2024

Subject: Generation Park Management District
Generation Park Management District WWTF
Permit No. WQ0014625001

WHOLE EFFLUENT TOXICITY (WET) TESTING (BIOMONITORING)

The following information applies to Outfall 001. We recommend freshwater chronic and 24-hour acute testing. For chronic testing, we recommend the water flea (*Ceriodaphnia dubia*) and the fathead minnow (*Pimephales promelas*) as test species and a testing frequency of once per quarter for both test species, for at least the first year of testing. We recommend a dilution series of 32%, 42%, 56%, 75%, and 100% with a critical dilution of 100%. The critical dilution is in accordance with the “Aquatic Life Criteria” section of the “Water Quality Based Effluent Limitations/Conditions” section.

For 24-hour acute testing, we recommend a water flea (*Ceriodaphnia dubia* or *Daphnia pulex*) and the fathead minnow as test species and a testing frequency of once per six months for both test species.

This facility is operating in a phase with a design flow of less than 2.8 MGD. Therefore, there is no WET testing history to review. WET testing will commence within 90 days of initial discharge of 2.8 MGD.

REASONABLE POTENTIAL (RP) DETERMINATION

TCEQ Interoffice Memorandum

A reasonable potential determination was performed in accordance with 40 CFR §122.44(d)(1)(ii) to determine whether the discharge will reasonably be expected to cause or contribute to an exceedance of a state water quality standard or criterion within that standard. Each test species is evaluated separately. The RP determination is based on representative data from the previous three years of WET testing. This determination was performed in accordance with the methodology outlined in the TCEQ letter to the EPA dated December 28, 2015 and approved by the EPA in a letter dated December 28, 2015.

With no WET testing history, and therefore zero failures, a determination of no RP was made. WET limits are not required, and the permittee may be eligible for the testing frequency reduction after one year of quarterly testing occurs.

TCEQ Interoffice Memorandum

To: Municipal Permits Team
Wastewater Permitting Section

From: Michelle Labrie, Standards Implementation Team
Water Quality Assessment Section
Water Quality Division

Date: October 17, 2024

Subject: Generation Park Management District
Permit no. 14625-001
Renewal; Application received: 8/30/2024

The discharge route for the above referenced permit is to a Harris County Flood Control District ditch P127-00-00, thence to Greens Bayou Above Tidal in Segment 1016 of the San Jacinto River Basin. The designated uses and dissolved oxygen criterion as stated in Appendix A of the Texas Surface Water Quality Standards (30 Texas Administrative Code §307.10) for Segment 1016 are primary contact recreation, limited aquatic life use, and 3.0 mg/L dissolved oxygen.

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

Harris County Flood Control District ditch P127-00-00; minimal aquatic life use, 2.0 mg/L dissolved oxygen.

Harris County Flood Control District ditch P127-00-00 (after confluence with Harris County Flood Control District ditch P127-03-00); limited aquatic life use, 3.0 mg/L dissolved oxygen.

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.