Administrative 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. Application materials

Portada de Paquete Administrativo

Este archivo contiene los siguientes documentos:

1. Resumen en lenguaje sencillo (PLS, por sus siglas en inglés) de la actividad propuesta
   - Inglés
   - Idioma alternativo (español)
2. Primer aviso (NORI, el Aviso de Recepción de Solicitud e Intención de Obtener un Permiso)
   - Inglés
   - Idioma alternativo (español)
3. Solicitud original

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 2,800,000 gallons per day of treated domestic wastewater via Outfall 1 into Drainage Channel P127-00-00 and ultimately to Greens Bayou.

Discharges from the facility are expected to contain Carbonaceous Biochemical Oxygen Demand (5-day)($CBOD_5$), total suspended solids (TSS), ammonia nitrogen ($N\text{-}NH_4$), 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 federale 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 2,800,000 galones por día de aguas residuales domésticas tratadas a través del Desagüe 1 en el Canal de Drenaje P127-00-00 y, en última instancia, en Greens Bayou.

Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno carbonoso (5 días) ($CBOD_5$), sólidos suspendidos totales (TSS), nitrógeno amoniacal ($N\text{-}NH_4$), 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.

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. Ademas, puede pedir que la TCEQ ponga su nombre en una or mas de las listas correos siguientes (1) la lista de correo permanente para recibir los avisos de el solicitante indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado especifico. Si desea que se agrega su nombre en una de las listas designe cual lista(s) y envia por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

CONTACTOS E INFORMACIÓN 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

IDS Engineering Group

13430 Northwest Freeway, Suite 700, Houston, Texas 77040
TBPE F-2726 | TBPLS 10110700 & 10110704
t 713.462.3178
idseg.com

DOMESTIC WASTEWATER PERMIT RENEWAL APPLICATION – ELECTRONIC COPY

Texas Commission on Environmental Quality

Generation Park Management District

IDS Project No. 1339-012-03

August 2024

TABLE OF CONTENTS

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

For TCEQ Use Only

Segment Number _____County _____
Expiration Date _____Region_____
Permit Number _____

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

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

Section 1. Application Fees (Instructions Page 26)

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

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

Minor Amendment (for any flow) $150.00 ☐

Payment Information:

Mailed — Check/Money Order Number: 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

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

e. For amendments or modifications, describe the proposed changes: 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-Applicant Information (Instructions Page 26)

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

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

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. Deboben

Signatory title: Board Vice President

Signature: _____ Date: 8/21/24

(Use blue ink)

Subscribed and Sworn to before me by the said John R. Deboben

on this 21st day of August, 2024.

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

_____

Notary Public

[SEAL]

LINDA L. KNOX
NOTARY ID #448502-4
My Commission Expires
January 28, 2025

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.)

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 Use Only

TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (*If other is checked please describe in space provided.*)

☐ New Permit, Registration or Authorization (*Core Data Form should be submitted with the program application.*)

☒ Renewal (*Core Data Form should be submitted with the renewal form*) ☐ Other

2. Customer Reference Number (*if issued*)	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)

☐ New Customer ☐ Update to Customer Information ☐ Change in Regulated Entity Ownership
☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)

The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).

6. Customer Legal Name (*If an individual, print last name first: eg: Doe, John*) *If new Customer, enter previous Customer below:*

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: ☐ Corporation ☐ Individual Partnership: ☐ General ☐ Limited
Government: ☐ City ☐ County ☐ Federal ☐ Local ☐ State ☒ Other ☐ Sole Proprietorship ☐ Other:

12. Number of Employees
☒ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher

13. Independently Owned and Operated?
☒ Yes ☐ No

14. Customer Role (Proposed or Actual) – *as it relates to the Regulated Entity listed on this form. Please check one of the following*

☒ Owner ☐ Operator ☐ Owner & Operator
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant ☐ Other:

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*)

(713) 623-4531		(713) 623-6143

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 (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**	**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.

☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☒ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:
	14625-001			

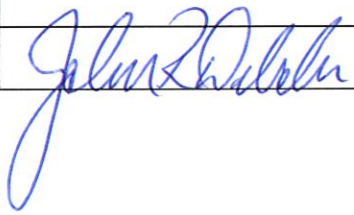
SECTION IV: Preparer Information

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)($CBOD_5$), total suspended solids (TSS), ammonia nitrogen ($N\text{-}NH_4$), 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 federale 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) ($CBOD_5$), sólidos suspendidos totales (TSS), nitrógeno amoniacal ($N\text{-}NH_4$), 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

HUMBLE
ATASCOCITA
HOUSTON
Dyersdale
Lone Star College Atascocita Center
Jordan Gully
Rogers Gully
Williams Gully
Spring Gully
Granite Creek
Green's Bayou
San Jacinto River
Lake Houston
Sheldon Reservoir
Buckhorn Lake
Harrington Cem
1 Mile
DISTRICT BOUNDARY
TREATMENT PLANT PROPERTY BOUNDARY
POINT OF DISCHARGE (OUTFALL)
DISCHARGE ROUTE
3 MILE DOWNSTREAM

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 - 2022
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

UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET
MN GN 2°15' 40 MILS 1°6' 20 MILS
U.S. National Grid 100,000-m Square ID TP Grid Zone Designation 15R

SCALE 1:24 000
1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 MILES 1
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 FEET

CONTOUR INTERVAL 5 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard.

TEXAS
QUADRANGLE LOCATION

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

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

HARMASTON, TX
2022

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

N
0 1,000 2,000 4,000 6,000 8,000 Feet
1 inch = 2,000 feet

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 14625001 EPA 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.: Click here to enter text. Fax No.: Click here to enter text.

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

HUMBLE
ATASCOCITA
HOUSTON
Dyersdale
Jordan Gully
Rogers Gully
Williams Gully
Spring Gully
Granite Cr
Green's Bayou
San Jacinto River
Lake Houston
Sheldon Reservoir
Buckhorn Lake
Big Eddy
1 Mile
DISTRICT BOUNDARY
TREATMENT PLANT PROPERTY BOUNDARY
POINT OF DISCHARGE (OUTFALL)
DISCHARGE ROUTE
1 MILE DOWNSTREAM
Lone Star College Atascocita Center
Harrington Cem

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.

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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

UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET
MN GN 2°15' 40 MILS 1°6' 20 MILS
U.S. National Grid 100,000-m Square ID TP Grid Zone Designation 15R

SCALE 1:24 000
1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 MILES 1
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 FEET

CONTOUR INTERVAL 5 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard.

TEXAS
QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

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

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

HARMASTON, TX
2022

IDS Engineering Group
13430 NW. Freeway, Suite 700
Houston, Texas 77040
713.462.3178

N
0 1,000 2,000 4,000 6,000 8,000 Feet
1 inch = 2,000 feet

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 BOD_5 concentration of the sludge, and the design BOD_5 concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

N/A

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

2. Acceptance of septic waste

Is the facility accepting or will it accept septic waste?

☐ Yes ☒ No

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

☐ Yes ☐ No

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

☐ Yes ☐ No

If yes to any of the above, provide the date the plant started or is anticipated to start accepting septic waste, an estimate of monthly septic waste acceptance (gallons or millions of gallons), an estimate of the BOD_5 concentration of the septic waste, and the design BOD_5 concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

N/A

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

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

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

☐ Yes ☒ No

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

N/A

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

Is the facility in operation?

☒ Yes ☐ No

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

If yes, provide effluent analysis data for the listed pollutants. ***Wastewater treatment facilities*** complete Table 1.0(2). **W*ater 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
E.coli (CFU/100ml) freshwater	<1.00CQa,U (MPN/100mL)	<1.00CQa,U (MPN/100mL)	1	grab	7/2/2024 8:45
Entercocci (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>= 1 MGD
- ☐ Serves >= 10,000 people
- ☐ Class I Sludge Management Facility (per 40 CFR § 503.9)
- ☒ Biosolids generator
- ☐ Biosolids end user – land application (onsite)
- ☐ Biosolids end user – surface disposal (onsite)
- ☐ Biosolids end user – incinerator (onsite)

B. WWTP's Biosolids Treatment Process

Check all that apply. See instructions for guidance.

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

- ☐ Gamma Ray Irradiation
- ☐ Pasteurization
- ☐ Preliminary Operation (e.g. grinding, de-gritting, blending)
- ☐ Thickening (e.g. gravity thickening, centrifugation, filter press, vacuum filter)
- ☐ Sludge Lagoon
- ☐ Temporary Storage (< 2 years)
- ☐ Long Term Storage (>= 2 years)
- ☐ Methane or Biogas Recovery
- ☐ Other Treatment Process: 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 02/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 $1x10^{-7}$ 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 it 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.

☐ Oil field activities
☒ Urban runoff
☒ Upstream discharges
☐ Agricultural runoff
☐ Septic tanks
☐ Other(s), specify: Click to enter text.

B. Waterbody uses

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

- ☐ Livestock watering
- ☐ Irrigation withdrawal
- ☐ Fishing
- ☐ Domestic water supply
- ☐ Park activities
- ☐ Contact recreation
- ☐ Non-contact recreation
- ☐ Navigation
- ☐ Industrial water supply
- ☐ 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 Equivalency 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 *i*nstructions?

☐ 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

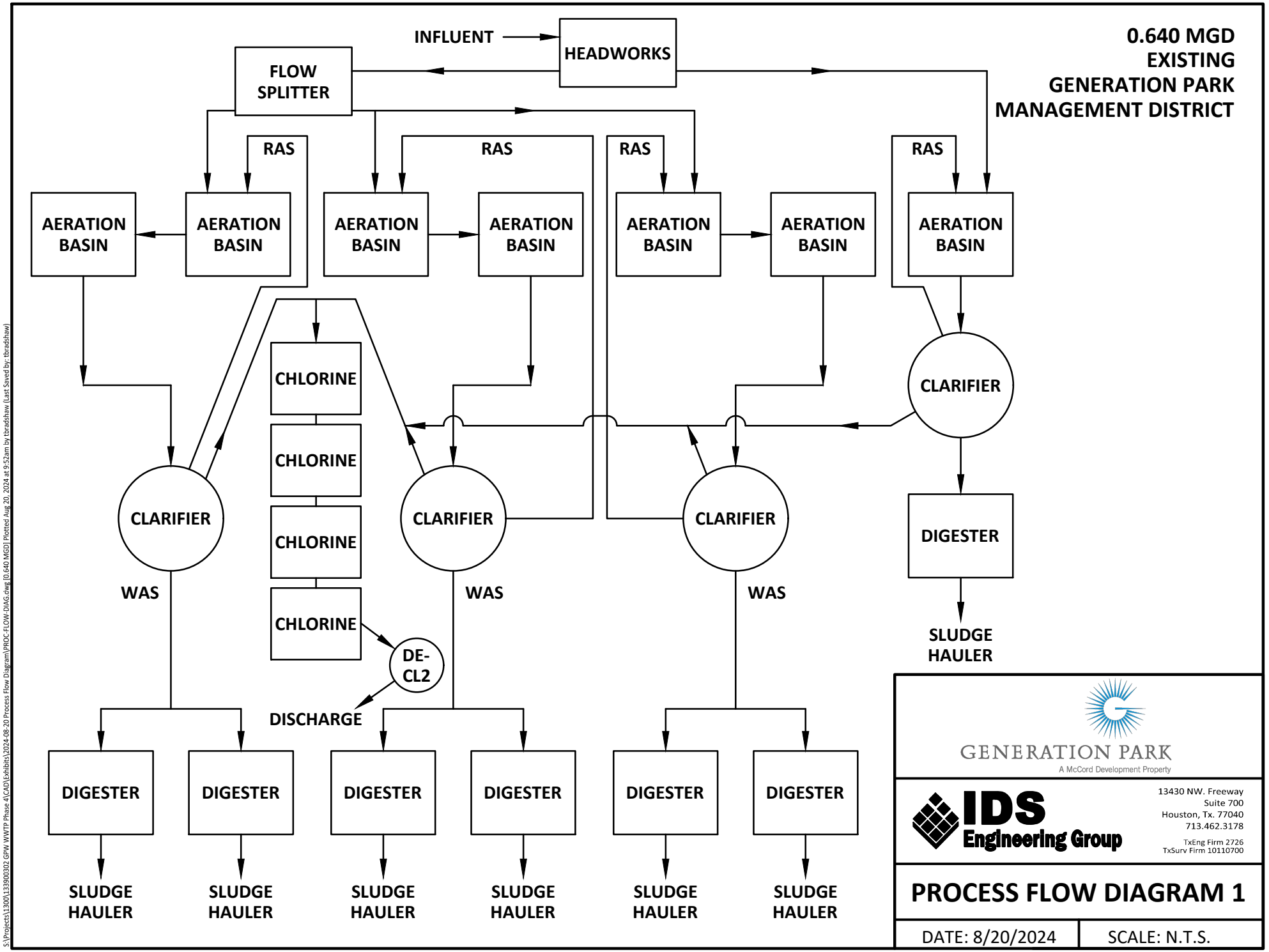
Domestic Technical Report 1.0 – Table 1.0(1) Treatment Units

Treatment Unit Type	Number of Units	Dimensions (L X W X D)
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



0.640 MGD
EXISTING
GENERATION PARK
MANAGEMENT DISTRICT

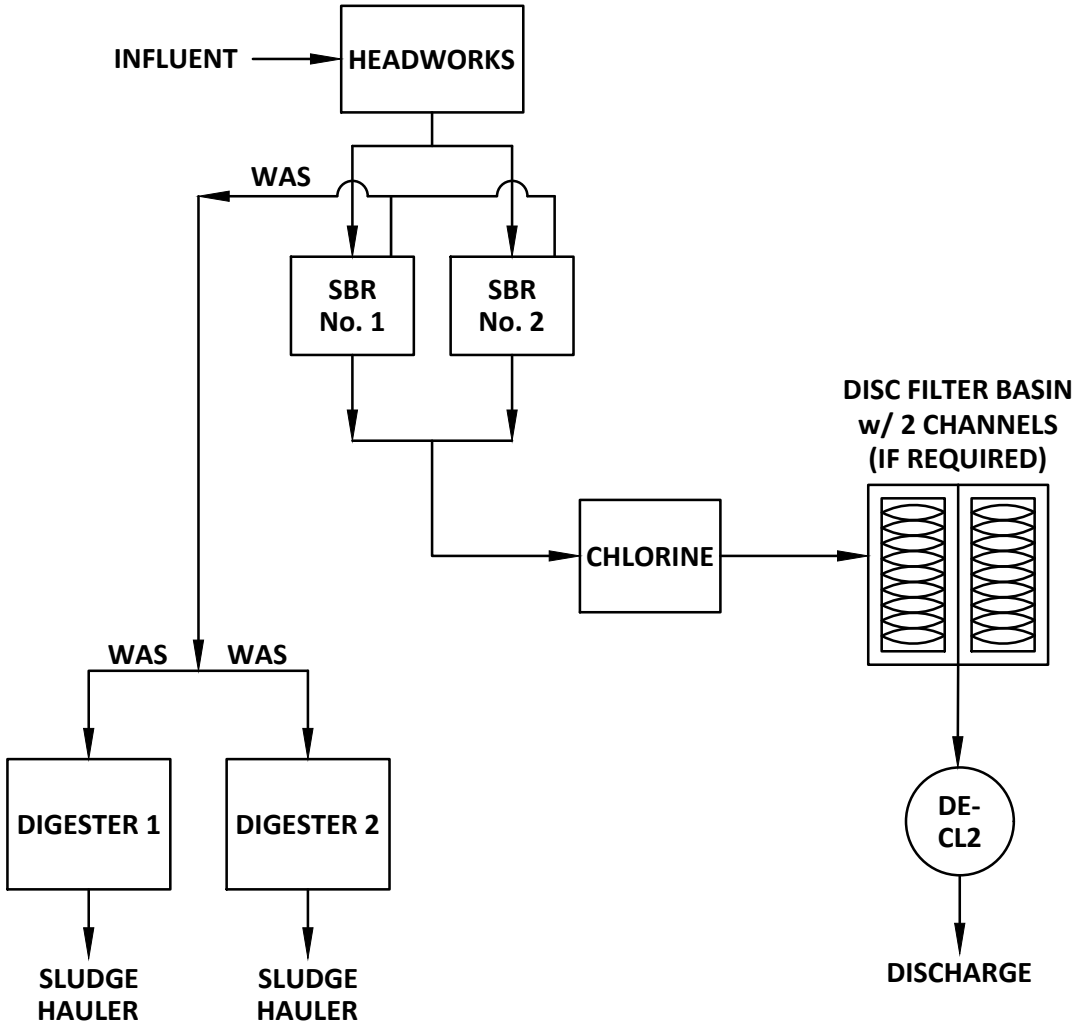
GENERATION PARK
A McCord Development Property

IDS Engineering Group
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.

0.700 MGD
PROPOSED INTERIM PHASE
GENERATION PARK
MANAGEMENT DISTRICT

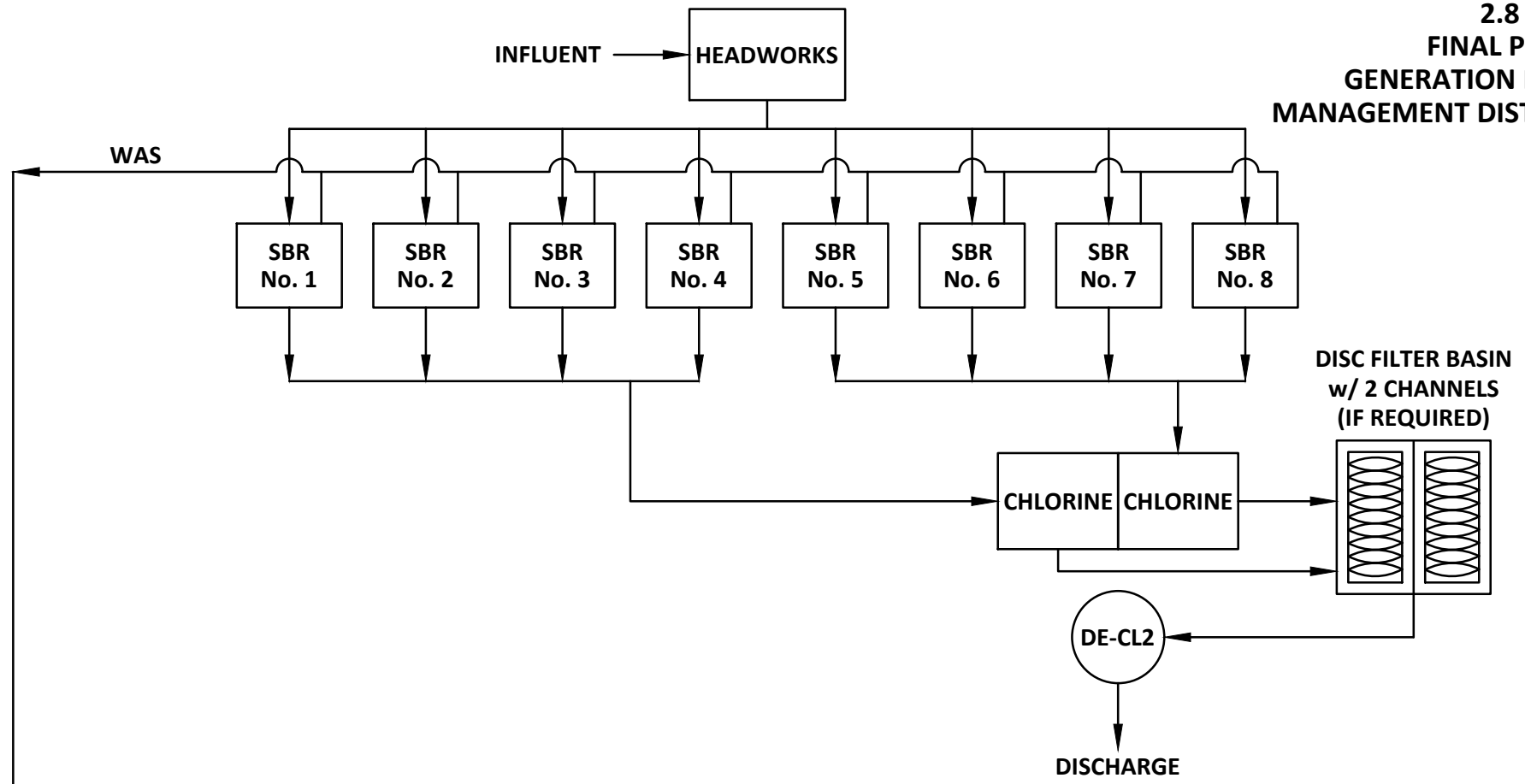


GENERATION PARK
A McCord Development Property

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

PROCESS FLOW DIAGRAM 2

DATE: 8/20/2024 | SCALE: N.T.S.



GENERATION PARK
A McCord Development Property

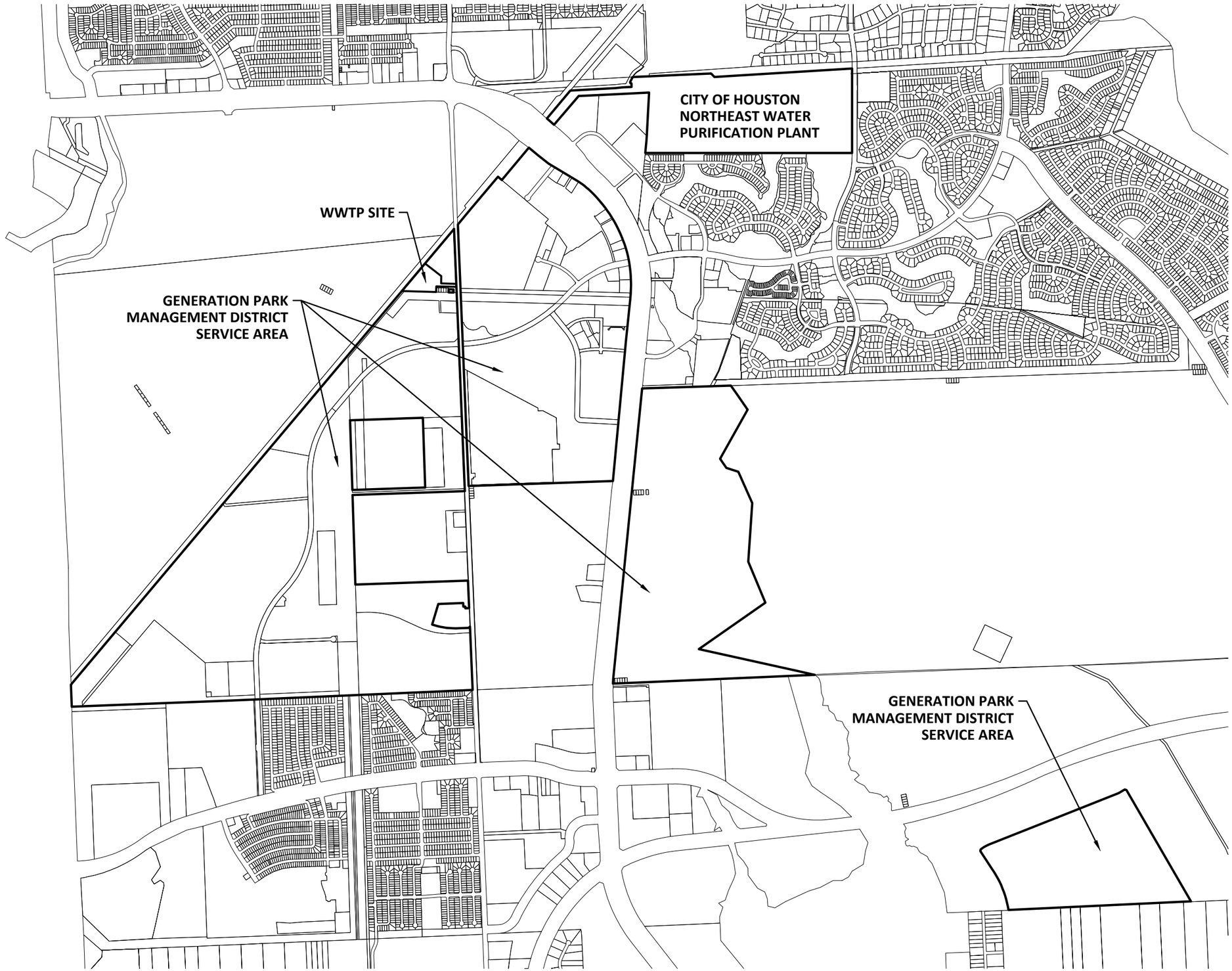
IDS Engineering Group
13430 NW. Freeway
Suite 700
Houston, Tx. 77040
713.462.3178
TxEng Firm 2726
TxSurv Firm 10110700

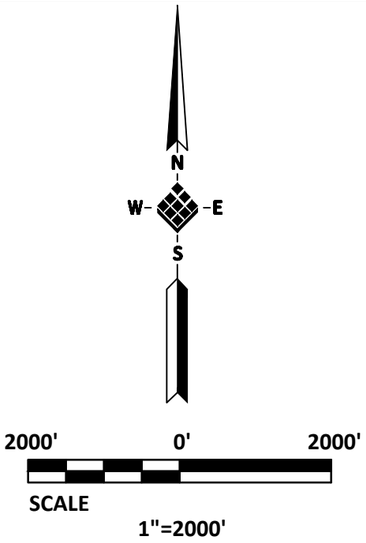
PROCESS FLOW DIAGRAM 3

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.

IDS Engineering Group
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'

ATTACHMENT NO. 12

TCEQ APPROVAL LETTER FOR 0.64 MGD PHASE

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.

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,

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

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

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

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
08/15/2024 08:23

Sample Results

Client Sample ID: Outfall 001
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
Volatile Organic Compounds by GCMS											
EPA 624.1	1,1,1-Trichloroethane	A	<10.0	U	ug/L	1	0.622	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	1,1,2,2-Tetrachloroethane	A	<10.0	U	ug/L	1	0.867	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	1,1,2-Trichloroethane	A	<10.0	U	ug/L	1	0.789	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	1,1-Dichloroethane	A	<10.0	U	ug/L	1	0.967	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	1,1-Dichloroethylene	A	<10.0	U	ug/L	1	0.849	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	1,2-Dibromoethane (EDB, Ethylene dibromide)	A	<10.0	U	ug/L	1	0.706	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	1,2-Dichlorobenzene (o-Dichlorobenzene)	A	<10.0	U	ug/L	1	0.881	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	1,2-Dichloroethane (Ethylene dichloride)	A	<10.0	U	ug/L	1	0.870	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	1,2-Dichloropropane	A	<10.0	U	ug/L	1	0.854	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	1,3-Dichlorobenzene (m-Dichlorobenzene)	A	<10.0	U	ug/L	1	0.717	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	1,4-Dichlorobenzene (p-Dichlorobenzene)	A	<10.0	U	ug/L	1	0.641	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	2-Butanone (Methyl ethyl ketone, MEK)	A	<50.0	U	ug/L	1	7.38	50.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	2-Chloroethyl vinyl ether	A	<10.0	U	ug/L	1	3.14	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	Acrolein (Propenal)	A	<17.0	U	ug/L	1	5.68	17.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	Acrylonitrile	A	<50.0	U	ug/L	1	1.60	50.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	Benzene	A	<10.0	U	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	<10.0	U	ug/L	1	0.678	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	Carbon tetrachloride	A	<2.00	U	ug/L	1	0.500	2.00	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	Chlorobenzene	A	<10.0	U	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	<50.0	U	ug/L	1	1.30	50.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	Chloroform	A	45.2	V	ug/L	1	0.688	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	cis-1,3-Dichloropropene	A	<10.0	U	ug/L	1	0.580	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	Ethylbenzene	A	<10.0	U	ug/L	1	0.727	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	Methyl bromide (Bromomethane)	A	<50.0	U	ug/L	1	1.42	50.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	Methyl chloride (Chloromethane)	A	<50.0	U	ug/L	1	0.765	50.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	Methylene chloride (Dichloromethane)	A	<20.0	U	ug/L	1	1.60	20.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	Toluene	A	<10.0	U	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	<10.0	U	ug/L	1	0.899	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	trans-1,3-Dichloropropylene	A	<10.0	U	ug/L	1	0.496	10.0	BHG0199	07/02/2024 17:19	DDB
EPA 624.1	Trichloroethene (Trichloroethylene)	A	<10.0	U	ug/L	1	0.744	10.0	BHG0199	07/02/2024 17:19	DDB

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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
Volatile Organic Compounds by GCMS (Continued)											
EPA 624.1	Vinyl chloride (Chloroethene)	A	<10.0	U	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	<333	U	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	<10.0	U	ug/L	1	0.0760	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	1,2,4-Trichlorobenzene	A	<10.0	U	ug/L	1	0.0943	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	1,2-Diphenylhydrazine	A	<20.0	U	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	<10.0	U	ug/L	1	0.129	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	2,4,5-Trichlorophenol	A	<10.0	U	ug/L	1	0.210	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	2,4,6-Trichlorophenol	A	<10.0	U	ug/L	1	0.385	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	2,4-Dichlorophenol	A	<10.0	U	ug/L	1	0.256	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	2,4-Dimethylphenol	A	<10.0	U	ug/L	1	0.294	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	2,4-Dinitrophenol	A	<50.0	U	ug/L	1	2.85	50.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	2,4-Dinitrotoluene (2,4-DNT)	A	<10.0	U	ug/L	1	0.0530	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	2,6-Dinitrotoluene (2,6-DNT)	A	<10.0	U	ug/L	1	0.584	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	2-Chloronaphthalene	A	<10.0	U	ug/L	1	0.123	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	2-Chlorophenol	A	<10.0	U	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	<50.0	U	ug/L	1	0.511	50.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	2-Nitrophenol	A	<20.0	U	ug/L	1	0.218	20.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	3,4-Methylphenol	A	<10.0	U	ug/L	1	0.462	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	4-Bromophenyl phenyl ether (BDE-3)	A	<10.0	U	ug/L	1	0.0682	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	4-Chloro-3-methylphenol	A	<10.0	U	ug/L	1	0.218	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	4-Chlorophenyl phenylether	A	<10.0	U	ug/L	1	0.207	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	4-Nitrophenol	A	<50.0	U	ug/L	1	2.40	50.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Acenaphthene	A	<10.0	U	ug/L	1	0.0776	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Acenaphthylene	A	<10.0	U	ug/L	1	0.0594	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Anthracene	A	<10.0	U	ug/L	1	0.0532	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Benzo(a)anthracene	A	<5.00	U	ug/L	1	0.0738	5.00	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Benzo(a)pyrene	A	<5.00	U	ug/L	1	0.143	5.00	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	benzo(b&k)fluoranthene	A	<5.00	U	ug/L	1	0.118	5.00	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Benzo(g,h,i)perylene	A	<20.0	U	ug/L	1	0.112	20.0	BHG0976	07/11/2024 05:09	KRB

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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
Semivolatile Organic Compounds by GCMS (Continued)											
EPA 625.1	bis(2-Chloroethoxy)methane	A	<10.0	U	ug/L	1	0.112	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	bis(2-Chloroethyl) ether	A	<10.0	U	ug/L	1	0.184	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Bis(2-ethylhexyl)phthalate	A	<10.0	U	ug/L	1	0.500	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Butyl benzyl phthalate	A	<10.0	U	ug/L	1	0.123	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Chrysene	A	<5.00	U	ug/L	1	0.0573	5.00	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Dibenzo(a,h)anthracene	A	<5.00	U	ug/L	1	0.152	5.00	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Diethyl phthalate	A	<10.0	U	ug/L	1	0.150	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Dimethyl phthalate	A	<10.0	U	ug/L	1	0.0869	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Di-n-butyl phthalate	A	<10.0	U	ug/L	1	0.505	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Di-n-octyl phthalate	A	<10.0	U	ug/L	1	0.163	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Fluoranthene	A	<10.0	U	ug/L	1	0.0676	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Fluorene	A	<10.0	U	ug/L	1	0.0589	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Hexachlorobenzene	A	<5.00	U	ug/L	1	0.0629	5.00	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Hexachlorobutadiene	A	<10.0	U	ug/L	1	0.0697	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Hexachlorocyclopentadiene	A	<10.0	U	ug/L	1	0.250	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Hexachloroethane	A	<20.0	U	ug/L	1	0.0644	20.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Hexachlorophene	A	<10.0	U	ug/L	1	0.343	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Indeno(1,2,3-cd) pyrene	A	<5.00	U	ug/L	1	0.126	5.00	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Isophorone	A	<10.0	U	ug/L	1	0.0853	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Naphthalene	A	<10.0	U	ug/L	1	0.0742	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Nitrobenzene	A	<10.0	U	ug/L	1	0.118	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	n-Nitrosodiethylamine	A	<20.0	U	ug/L	1	0.162	20.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	n-Nitrosodimethylamine	A	<50.0	U	ug/L	1	1.24	50.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	n-Nitroso-di-n-butylamine	A	<20.0	U	ug/L	1	1.87	20.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	n-Nitrosodi-n-propylamine	A	<20.0	U	ug/L	1	0.445	20.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	n-Nitrosodiphenylamine	A	<20.0	U	ug/L	1	0.0609	20.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Pentachlorobenzene	A	<20.0	U	ug/L	1	0.0514	20.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Pentachlorophenol	A	<5.00	U	ug/L	1	0.437	5.00	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Phenanthrene	A	<10.0	U	ug/L	1	0.0816	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Phenol, Total	A	<10.0	U	ug/L	1	0.470	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Pyrene	A	<10.0	U	ug/L	1	0.0848	10.0	BHG0976	07/11/2024 05:09	KRB
EPA 625.1	Pyridine	A	<20.0	U	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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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
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	<0.700	U	ug/L	2	0.233	0.700	BHG0419	07/18/2024 09:38	cdg
SM 6640 B	Silvex (2,4,5-TP)	A	<0.300	U	ug/L	2	0.235	0.300	BHG0419	07/18/2024 09:38	cdg
EPA 1657	Azinphos-methyl (Guthion)	A	<0.100	U	ug/L	1	0.0333	0.100	BHG0406	07/17/2024 06:24	cdg
EPA 1657	Chlorpyrifos	A	<0.0500	U	ug/L	1	0.0257	0.0500	BHG0406	07/17/2024 06:24	cdg
EPA 1657	Demeton	A	<0.200	U	ug/L	1	0.0129	0.200	BHG0406	07/17/2024 06:24	cdg
EPA 1657	Diazinon	A	<0.500	U	ug/L	1	0.0322	0.500	BHG0406	07/17/2024 06:24	cdg
EPA 1657	Malathion	A	<0.100	U	ug/L	1	0.0133	0.100	BHG0406	07/17/2024 06:24	cdg
EPA 1657	Parathion, ethyl	A	<0.100	U	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	<5.00	U	ug/L	1	0.0589	5.00	BHG0260	07/10/2024 08:36	JKC
EPA 200.8	Arsenic	A	<0.500	U	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	<0.500	U	ug/L	1	0.0137	0.500	BHG0260	07/12/2024 14:12	JKC
EPA 200.8	Cadmium	A	<1.00	U	ug/L	1	0.00798	1.00	BHG0260	07/10/2024 08:36	JKC
EPA 200.8	Chromium	A	<3.00	U	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	<0.500	U	ug/L	1	0.0120	0.500	BHG0260	07/10/2024 08:36	JKC
EPA 200.8	Nickel	A	<2.00	U	ug/L	1	0.0398	2.00	BHG0260	07/10/2024 08:36	JKC
EPA 200.8	Selenium	A	<5.00	U	ug/L	1	0.354	5.00	BHG0260	07/18/2024 08:21	JKC
EPA 200.8	Silver	A	<0.500	U	ug/L	1	0.00467	0.500	BHG0260	07/10/2024 08:36	JKC
EPA 200.8	Thallium	A	<0.500	U	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
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	<2.03	U	mg/L	13514	2.03	2.03	BHG0266	07/08/2024 11:04	NAZ
SM 4500-CN⁻ G	Amenable Cyanide	A	<10.0	U	ug/L	1	5.00	10.0	BHG0858	07/08/2024 14:55	TBB
SM 4500-CN⁻ C	Total Cyanide	A	<10.0	U	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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TCEQ TX-C24-00185

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
General Chemistry (Continued)											
EPA 300.0	Fluoride	A	<0.250	U	mg/L	1	0.0105	0.250	BHG0392	07/03/2024 16:43	AGZ
EPA 350.1	Ammonia as N	A	<0.0400	U	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	<50.0	C+, U	ug/L	1	5.10	50.0	BHG0392	07/03/2024 16:43	AGZ
EPA 1664A	n-Hexane Extractable Material (O&G)	A	<5.00	U	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	<1.00	U	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	<1.00	U	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	<1.00	CQa, 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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08/15/2024 08:23

Sample Results
(Continued)

Client Sample ID: Outfall 001
Lab Sample ID: 24G1325-01RE1
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
Volatile Organic Compounds by GCMS											
EPA 624.1	Tetrachloroethylene (Perchloroethylene) (Rerun)	A	<10.0	U	ug/L	1	0.703	10.0	BHG0412	07/03/2024 18:59	DDB
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	<5.00	U	ug/L	1	3.87	5.00	BHG0976	07/13/2024 04:58	KRB
EPA 625.1	Benzidine (Rerun)	A	<50.0	U	ug/L	1	11.8	50.0	BHG0976	07/13/2024 04:58	KRB
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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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
Metals, Total											
EPA 1631E	Mercury	A	<0.00500	U	ug/L	1	0.00250	0.00500	BHG0760	07/09/2024 14:52	JKC

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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
Metals, Total											
EPA 1631E	Mercury	A	<0.00500	U	ug/L	1	0.00250	0.00500	BHG0760	07/09/2024 14:47	JKC

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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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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 (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		
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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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
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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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
Surrogate: 4-Bromofluorobenzene-surr			*49.9*	*ug/L*	*50.0*		*99.7*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4-surr			*51.1*	*ug/L*	*50.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*51.2*	*ug/L*	*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8-surr			*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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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		
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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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
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		
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-BSD1)					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
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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
(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)										
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
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
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
(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)										
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	12.7	54
bis(2-Chloroethyl) ether	1.46		0.600	ug/L	2.00		73.0	12-158	14.2	108
Bis(2-ethylhexyl)phthalate	2.26		1.50	ug/L	2.00		113	8-158	13.4	82
Butyl benzyl phthalate	2.47		0.400	ug/L	2.00		123	0-152	28.0	60
Chrysene	2.32		0.200	ug/L	2.00		116	17-168	26.6	87
Dibenzo(a,h)anthracene	1.87		0.500	ug/L	2.00		93.6	0-227	0.0242	126
Diethyl phthalate	1.99		0.500	ug/L	2.00		99.3	0-120	0.400	100
Dimethyl phthalate	1.85		0.300	ug/L	2.00		92.6	0-120	1.13	183
Di-n-butyl phthalate	2.44	J1	1.60	ug/L	2.00		122	1-120	45.9	47
Di-n-octyl phthalate	2.23		0.500	ug/L	2.00		112	4-146	27.8	69
Fluoranthene	1.73		0.300	ug/L	2.00		86.4	26-137	0.271	66
Fluorene	1.64		0.200	ug/L	2.00		82.1	59-121	4.38	38
Hexachlorobenzene	1.54		0.200	ug/L	2.00		77.1	0-152	3.21	55
Hexachlorobutadiene	1.22		0.300	ug/L	2.00		60.9	24-120	27.2	62
Hexachlorocyclopentadiene	1.43		0.750	ug/L	2.00		71.4	60-140	2.01	40
Hexachloroethane	1.23		0.200	ug/L	2.00		61.6	40-120	13.8	52
Hexachlorophene	3.67		1.10	ug/L	4.00		91.7	60-140	3.48	40
Indeno(1,2,3-cd) pyrene	1.79		0.400	ug/L	2.00		89.6	0-171	0.910	99
Isophorone	1.40		0.300	ug/L	2.00		70.2	21-196	18.7	93
Naphthalene	1.37		0.300	ug/L	2.00		68.6	21-133	14.4	65
Nitrobenzene	1.38		0.400	ug/L	2.00		69.0	35-180	18.1	62
n-Nitrosodiethylamine	1.32		0.500	ug/L	2.00		65.8	60-140	0.654	40
n-Nitrosodimethylamine	2.12	U	3.80	ug/L	10.0		21.2	4.18-37.2	19.8	40
n-Nitroso-di-n-butylamine	<5.70	U	5.70	ug/L	2.00			60-140	200	40
n-Nitrosodi-n-propylamine	1.40		1.40	ug/L	2.00		70.1	0-230	21.4	87
n-Nitrosodiphenylamine	0.739	J1	0.200	ug/L	2.00		36.9	60-140	3.52	40
Pentachlorobenzene	1.48		0.200	ug/L	2.00		74.1	60-140	4.20	40
Pentachlorophenol	3.70		1.40	ug/L	4.00		92.4	14-176	7.43	86
Phenanthrene	1.71		0.300	ug/L	2.00		85.5	54-120	3.47	39
Phenol, Total	3.07		1.50	ug/L	4.00		76.8	5-120	4.14	64
Pyrene	1.76		0.300	ug/L	2.00		88.0	52-120	0.0446	49
Pyridine	<13.3	U	13.3	ug/L	10.0			0-137	200	40
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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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)										
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	%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		
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
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
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
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						
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		
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*		
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
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*		
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		
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
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
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		
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
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		
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
Surrogate: DCAA-surr			*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	%REC Limits	RPD	RPD Limit
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)					Prepared & Analyzed: 7/3/2024					
Conductivity	<2.00	U	2.00	umhos/cm @ 25 °C						
LCS (BHG0261-BS1)					Prepared & Analyzed: 7/3/2024					
Conductivity	1410			umhos/cm @ 25 °C	1410		100	90-110		
QCS (BHG0261-BS2)					Prepared & Analyzed: 7/3/2024					
Conductivity	507			umhos/cm @ 25 °C	500		101	90-110		
LCS (BHG0261-BS4)					Prepared & Analyzed: 7/3/2024					
Alkalinity as CaCO3	108			mg/L	100		108	90-110		
Duplicate (BHG0261-DUP1)		**Source: 24G1325-01**			Prepared & Analyzed: 7/3/2024					
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
Duplicate (BHG0261-DUP2)		**Source: 24F2427-02**			Prepared & Analyzed: 7/3/2024					
Alkalinity as CaCO3	244		10.0	mg/L		242			1.06	15
Conductivity	582		2.00	umhos/cm @ 25 °C		577			0.863	15
Batch: BHG0266 - CBOD-5210										
LCS (BHG0266-BS1)					Prepared: 7/3/2024 Analyzed: 7/8/2024					
Carbonaceous BOD (CBOD)	229	J1		mg/L	198		116	85-115		
Duplicate (BHG0266-DUP1)		**Source: 24G1328-02**			Prepared: 7/3/2024 Analyzed: 7/8/2024					
Carbonaceous BOD (CBOD)	2.67		2.40	mg/L		3.14			16.4	40

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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
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
Batch: BHG0336 - TSS										
Blank (BHG0336-BLK1)					Prepared: 7/3/2024 Analyzed: 7/5/2024					
Residue-nonfilterable (TSS)	<1.00	U	1.00	mg/L						
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		
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
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
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		
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		
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
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
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
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
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						
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		
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
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		
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						
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		
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
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General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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)		**Source: 24G1279-02**			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)					Prepared: 7/2/2024 Analyzed: 7/3/2024					
Enterococci	<1.00	U	1.00	MPN/100 mL						
Duplicate (BHG0197-DUP1)		**Source: 24G1330-01**			Prepared: 7/2/2024 Analyzed: 7/3/2024					
Enterococci	29.5		1.00	MPN/100 mL		41.4			33.6	200
Batch: BHG0198 - TC EC Quantitray										
Blank (BHG0198-BLK1)					Prepared: 7/2/2024 Analyzed: 7/3/2024					
Escherichia coli (E. coli)	<1.00	CQa, U	1.00	MPN/100 mL						
Duplicate (BHG0198-DUP1)		**Source: 24G1582-01**			Prepared: 7/2/2024 Analyzed: 7/3/2024					
Escherichia coli (E. coli)	<1.00	CQa, U	1.00	MPN/100 mL		<1.00				200

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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
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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.

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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

24G1325

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)

Lab PM : Rebecca Rabon

Project Name : Generation Park - NP - Permit Renewal 2024

Schedule Comments:

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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	[redacted]	7/2/2024 10:45	AQ Grab	A HDPE 250mL AA Amber Glass 1L w/ Teflon-lined Lid AB Amber Glass 1L w/ Teflon-lined Lid AC Amber Glass 1L w/ Teflon-lined Lid AD HDPE S250mL Na2S2O3 AE HDPE 250mL AF HDPE 250mL H2SO4 AG HDPE 1L AH Glass VOA 40mL AI Glass VOA 40mL AJ Glass VOA 40mL AK Glass VOA 40mL AL Glass VOA 40mL AM Glass VOA 40mL B HDPE 1L C HDPE 250mL NaOH D PreCleaned HDPE 250mL HNO3 E HDPE 250 Cr6+Buf after filtration F HDPE S250mL Na2S2O3 G Glass VOA 60mL Protocol B H Glass VOA 60mL Protocol B I Glass VOA 60mL Protocol B J Glass 4oz Boston Round K HDPE 250mL L HDPE 250mL H2SO4 M Amber Glass 250mL w/ Teflon-lined Lid N Amber Glass 250mL w/ Teflon-lined Lid O HDPE 250mL H2SO4 P Amber Glass 250mL w/ Teflon-lined Lid Q Amber Glass 250mL w/ Teflon-lined Lid	Aluminum ICPMS 200.8 HNO3 Antimony ICPMS 200.8 HNO3 Arsenic ICPMS 200.8 HNO3 Barium ICPMS 200.8 HNO3 Beryllium ICPMS 200.8 HNO3 Cadmium ICPMS 200.8 HNO3 Chromium ICPMS 200.8 HNO3 Copper ICPMS 200.8 HNO3 Lead ICPMS 200.8 HNO3 LL Hg-1631 BrCl LPR Metals [Group Analysis] Nickel ICPMS 200.8 HNO3 Selenium ICPMS 200.8 HNO3 Silver ICPMS 200.8 HNO3 Thallium ICPMS 200.8 HNO3 Zinc ICPMS 200.8 HNO3 ENT-ASTMD6503 Na2S2O3 <10°C TC EC-9223 Na2S2O3 <10°C HERB-6640 4°C Nonylphenol-D7065 4°C O&G-1664 HCl 4°C OPP-1657 4°C SVOA-625 4°C VOA-624 4°C Sub_CBURP-632 4°C Sub_OCP-608.3 4°C Sub_PCB-608.3 4°C Alkalinity-2320 4°C CBOD-5210 4°C Chloride IC 300.0 4°C CN AMEN-4500 NaOH 4°C CN T-4500 NaOH 4°C Conductivity-2510 4°C Cr III ICPMS [Group Analysis] Cr VI-D 3500 Cr6+Buf 4°C Fluoride IC 300.0 4°C	DO Field 7.68 Flow MGD Field 0.101 pH Field 7.55 Total Chlorine Residual WW Field 4.00

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

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 [Group Analysis] NH3-N SEAL-350.1 H2SO4 4°C Nitrate as N IC 300.0 4°C Nitrite as N IC 300.0 4°C Sulfate IC 300.0 4°C TDS-2540 4°C TKN T-4500 C H2SO4 4°C Total Phosphorus-365.1- H2SO4 4°C TSS-2540 4°C	

Field Remarks:

Lab Preservation: (Circle and Write ID Below) H2SO4 HNO3 NaOH Other: _____

Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name: Eddie Blackshear	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation: MUDCS	Relinquished To Lab By: (Signature)	Date/Time 14:00 7/2/24	Received for Laboratory By: (Signature) VMC	Date/Time 7.2.24 1400

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

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

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:** (Circle and Write ID Below) H2SO4 HNO3 NaOH Other:		
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) VMC	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

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:			

AMA — Released By — 07.03.24 — Date

UPS — Received By — 07.03.24 — Date

NWDLS
North Water District Laboratory Services Inc.

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'-DDD		4,4'-DDE
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-Hexachlorocyclol
gamma-Chlordane	Heptachlor		Heptachlor epoxide
Methoxychlor	Mirex		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-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	Received By	Date
	7.5.24 1156		7/5/24 1156

12.6°C IR7 MC

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
Attn: Rebecca Rabon
Client Address: 130 S Trade Center Pkwy
City, State, Zip: Conroe, Texas, 77385

P.O.#.: 24G1325
Sample Collected By:
Date Collected: 07/02/24

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

Client Sample ID	Matrix	A&B Sample ID
24G1325-01	Waste Water	24070503.01

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.

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
Date Collected: 07/02/24
Time Collected: 08:45
Other Information:

Job Sample ID: 24070503.01
Sample Matrix Waste Water
% Moisture

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

LABORATORY TEST RESULTS

Job ID : 24070503

Date 7/12/2024

Client Name: NWDLS

Attn: Rebecca Rabon

Project Name: 24G1325

Client Sample ID: 24G1325-01
Date Collected: 07/02/24
Time Collected: 08:45
Other Information:

Job Sample ID: 24070503.01
Sample Matrix Waste Water
% Moisture

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	

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	

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):

01AD

2,4,5,6 Tetrachloro-m-xylene-surr	4,4'-DDD	4,4'-DDE
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-Hexachlorocyclol
gamma-Chlordane	Heptachlor	Heptachlor epoxide
Methoxychlor	Mirex	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-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 — 7.5.24 1156 Date — Received By — 7/5/24 1156 Date

12.6°C IR7 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 ☑ Soil ☐ Liquid ☐ Sludge ☐ Solid ☐ Cassette ☐ Tube ☐ Bulk ☐ Badge ☐ Food ☐ Other ☐			
9.	**Samples were received in appropriate container(s)**	X		
10.	**Sample(s) were received with Proper preservative**			X
11.	**All samples were tagged or labeled.**	X		
12.	**Sample ID labels match C-O-C ID's.**	X		
13.	**Bottle count on C-O-C matches bottles found.**	X		
14.	**Sample volume is sufficient for analyses requested.**	X		
15.	**Samples were received with in the hold time.**	X		
16.	**VOA vials completely filled.**			X
17.	**Sample accepted.**	X		
18.	**Has client been contacted about sub-out**			X

Comments : Include actions taken to resolve discrepancies/problem:

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

2600 Dudley Rd. Kilgore, Texas 75662
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380
Office: 903-984-0551 * Fax: 903-984-5914

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

This report consists of this Table of Contents and the following pages:

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*

SAMPLE CROSS REFERENCE

Project
1109473

Printed 7/17/2024 Page 1 of 1
WW

North Water District Laboratory
Deena McDaniel
130 S Trade Center Parkway
Suite:100
Conroe, TX 77385

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

SPL The Science of Sure

NWDS-G

North Water District Laboratory
Deena McDaniel
130 S Trade Center Parkway
Suite:100
Conroe, TX 77385

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	Flags	CAS	Bottle
NELAC	**Carbaryl (Sevin)**	**<2.59**	**ug/L**	2.59		**63-25-2**	02
z	**Diuron**	**<0.0465**	**ug/L**	0.0465		**330-54-1**	02

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 CAL

z **Environmental Fee (per Project)** **Verified**

Prepared: 07/17/2024 13:09:00 *Analyzed* 07/17/2024 13:09:00 WJP

z **Level IV Data Review** **Completed**

EPA 632 Prepared: 1127382 07/08/2024 11:00:00 Analyzed 1127382 07/08/2024 11:00:00 MCC

Liquid-Liquid Extr. W/Hex Ex **1/967** **ml** 01

EPA 632 Prepared: 1127382 07/08/2024 11:00:00 Analyzed 1128548 07/15/2024 21:42:00 BRU

NELAC **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*

SPL
The Science of Sure

NWDS-G

Project
1109473

North Water District Laboratory
Deena McDaniel
130 S Trade Center Parkway
Suite:100
Conroe, TX 77385

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

Bill Peery, MS, VP Technical Services

QUALITY CONTROL

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: abs(r1-r2) / mean(r1,r2) * 100%

Recover% is Recovery Percent: result / 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.)

1109473 CoC Print Group 001 of 001

NWDLS
North Water District Laboratory Services, Inc.

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:			

AMA — Released By — 07.03.24 — Date — UPS — Received By — 07.03.24 — Date

UPS 7/5/24 1190 — McCoy 7/5/24 1100

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

7/5/24 1314 MRV
Date Time Tech
Temp: Hull Lab C

Therm#: 6205 Corr Fact: 0.5 C

7/3/24, 8:25 AM about:blank

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 TRATEMENT 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"**.

L. 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 is 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 inabilities 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@houstontx.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@houstontx.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

(SEAL)
LINDA L. KNOX
NOTARY ID #448502-6
My Commission Expires
January 28, 2021

CITY OF HOUSTON, TEXAS

By: _____
Sylvester Turner,
Mayor
Amanda 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

554811.2

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.)

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 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 (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;

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.

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

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;

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;

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 'KJO' 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;

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° 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° 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° 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° 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° 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° 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 foud 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.

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

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

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 Use Only

TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (*If other is checked please describe in space provided.*)

☐ New Permit, Registration or Authorization (*Core Data Form should be submitted with the program application.*)

☒ Renewal (*Core Data Form should be submitted with the renewal form*) ☐ Other

2. Customer Reference Number (*if issued*)	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)

☐ New Customer ☐ Update to Customer Information ☐ Change in Regulated Entity Ownership
☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)

The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).

6. Customer Legal Name (*If an individual, print last name first: eg: Doe, John*) — *If new Customer, enter previous Customer below:*

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: ☐ Corporation ☐ Individual Partnership: ☐ General ☐ Limited
Government: ☐ City ☐ County ☐ Federal ☐ Local ☐ State ☒ Other ☐ Sole Proprietorship ☐ Other:

12. Number of Employees
☒ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher

13. Independently Owned and Operated?
☒ Yes ☐ No

14. Customer Role (Proposed or Actual) – *as it relates to the Regulated Entity listed on this form. Please check one of the following*

☒ Owner ☐ Operator ☐ Owner & Operator
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant ☐ Other:

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*)

(713) 623-4531		(713) 623-6143

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 (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**	**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.

☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☒ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:
	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)($CBOD_5$), total suspended solids (TSS), ammonia nitrogen ($N\text{-}NH_4$), 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.

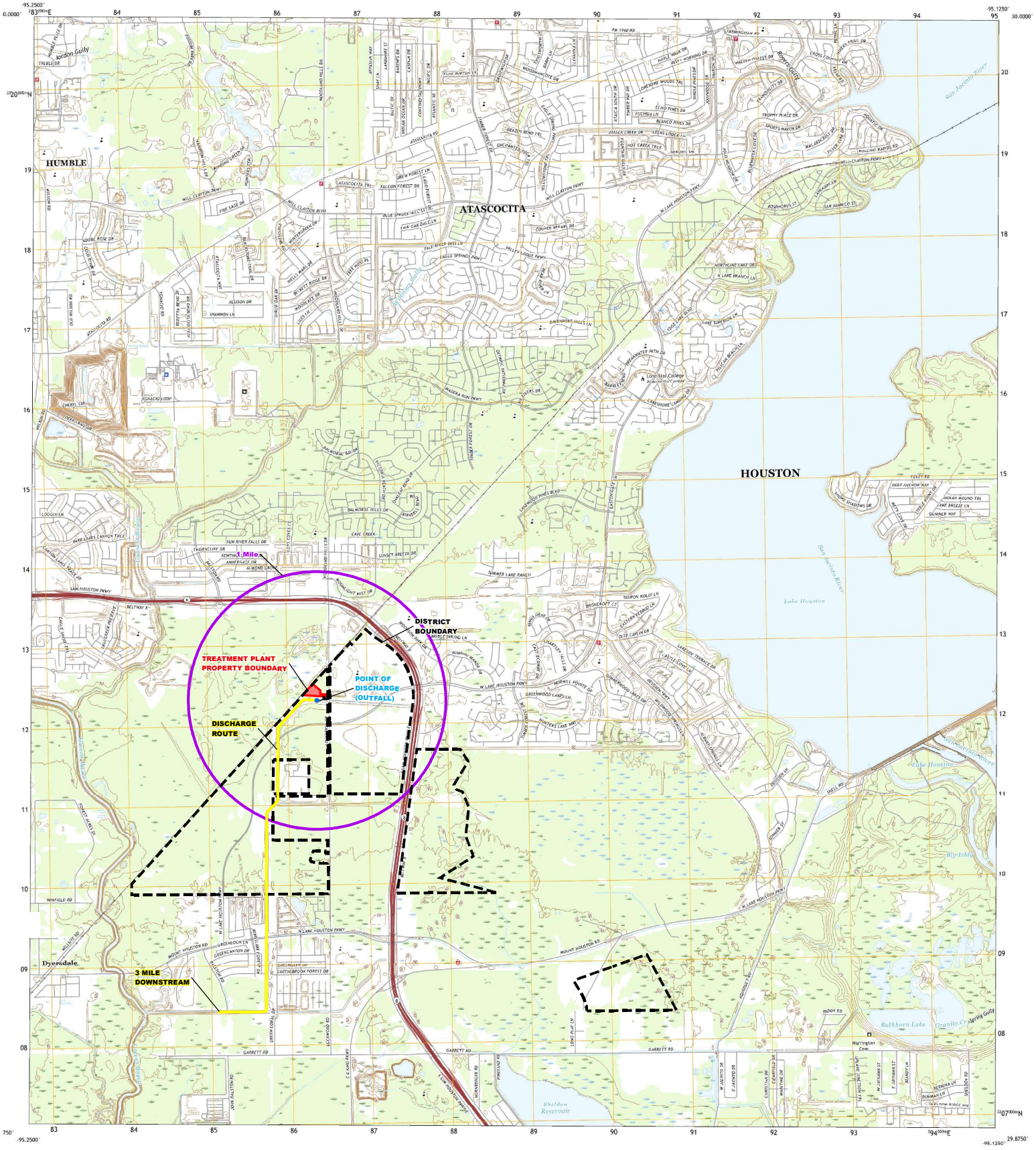
El Distrito de Gestión de Generation Park (CN604386060) opera la Planta de Tratamiento de Aguas Residuales del Distrito de Gestión de Generation Park Oeste (RN104611942), una instalación de tratamiento de aguas residuales domésticas. La instalación está ubicada en 13939 Lockwood Road, en Houston, Harris 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) ($CBOD_5$), sólidos suspendidos totales (TSS), nitrógeno amoniacal ($N\text{-}NH_4$), 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	- 2022
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

UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 MILES 1
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 FEET

CONTOUR INTERVAL 5 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the
National Geospatial Program US Topo Product Standard.

TEXAS
QUADRANGLE LOCATION

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

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

HARMASTON, TX
2022

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

N
0 1,000 2,000 4,000 6,000 8,000 Feet
1 inch = 2,000 feet

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 14625001 EPA 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.: Click here to enter text. Fax No.: Click here to enter text.

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.

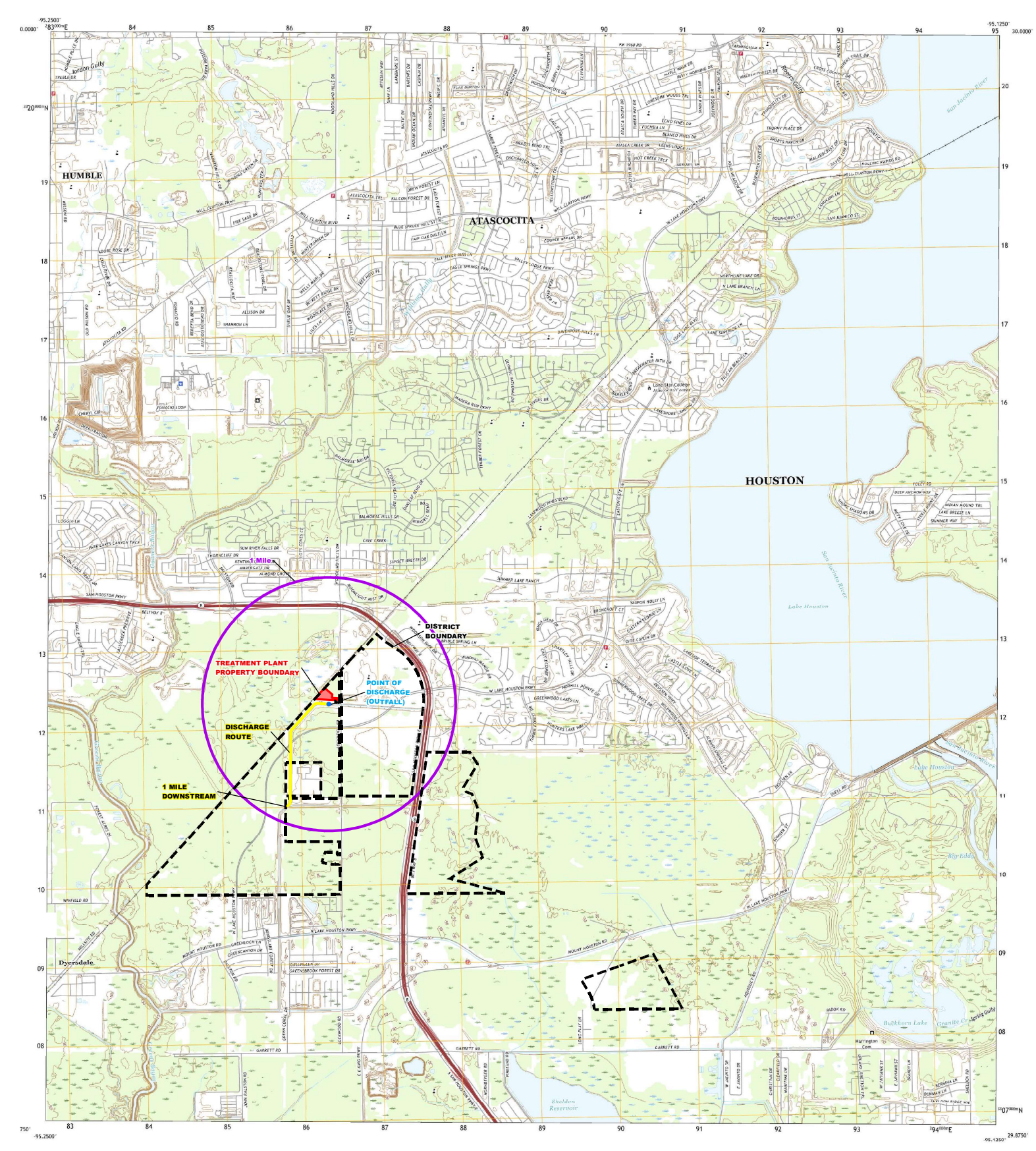
THE FOLLOWING ITEMS APPLY ONLY TO APPLICATIONS FOR NEW TPDES PERMITS AND MAJOR AMENDMENTS TO TPDES PERMITS

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
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Imagery	NAIP, September 2016 - November 2016	
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Names	GNIS, 1979 - 2022	
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	

UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

KILOMETERS 0 0.5 1 2
METERS 0 500 1000 2000
MILES 0 0.5 1
FEET 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000

CONTOUR INTERVAL 5 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

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TEXAS
QUADRANGLE LOCATION

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

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

HARMASTON, TX
2022

IDS Engineering Group
13430 NW. Freeway, Suite 700
Houston, Texas 77040
713.462.3178

N
0 1,000 2,000 4,000 6,000 8,000 Feet
1 inch = 2,000 feet

GENERATION PARK MANAGEMENT DISTRICT
USGS 7.5' QUADRANGLE MAP

IDS Engineering Group \\houcgisdb1\Projects\13001339-012-03_GPMD_2024_WWTPPermitRenewal\Harmaston_USGS_22x29.mxd Plotted: 8/23/2024 at 8:17:34 AM by vtrevino

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

(713) 623-4531		(713) 623-6143

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:	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**	**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.