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, por sus siglas en inglés)
   - Inglés
   - Idioma alternativo (español)
3. Solicitud original

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

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

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

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

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

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

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

City of Sugar Land (CN600593990) operates City of Sugar Land New Territory North Regional Wastewater Treatment Facility (RN102845930), a municipal wastewater treatment facility. The facility is located at approximately 1.4 miles southwest from the intersection of New Territory Boulevard and Grand Parkway, in Sugar Land, Fort Bend County, Texas 77479. The following application is a renewal of the existing permit to discharge an annual average of 6,000,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD5), total suspended solids (TSS), ammonia nitrogen (NH3-N) and *Escherichia* coli, inside of TPDES permit levels. 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 conventional activated sludge process and the treatment units include a bar screen, aeration

basins, final clarifiers, sludge digesters, filter belt press, chlorine contact chambers, de-chlorination, and an effluent outfall.

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

AGUAS RESIDUALES DOMÉSTICAS **/AGUAS PLUVIALES**

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

La Ciudad de Sugar Land (CN600593990) opera la Planta de Tratamiento de Aguas Residuales Regional del Norte (RN102845930) de la Ciudad de Sugar Land, una instalación municipal de tratamiento de aguas residuales. La instalación está ubicada aproximadamente a 1.4 millas al suroeste de la intersección de New Territory Boulevard y Grand Parkway, en Sugar Land, Fort Bend County, Texas 77479. La siguiente solicitud es una renovación del permiso existente para descargar un promedio anual de 6,000,000 galones por día de aguas residuales domésticas tratadas.

Se espera que las descargas de la instalación contengan una demanda de oxígeno bioquímico carbonoso (CBOD5) de cinco días, sólidos suspendidos totales (TSS), nitrógeno amoniacal (NH3-N) y Escherichia coli, dentro de los niveles permitidos por TPDES. 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 convencional de lodos activados y las unidades de tratamiento incluyen una criba de barras, cuencas de aireación, clarificadores finales, digestores de lodos, prensa de cinta filtrante, cámaras de contacto con cloro, decloración y un emisario de efluentes.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

PERMIT NO. WQ0013628001

APPLICATION. City of Sugar Land, 101A Gillingham Lane, Sugar Land, Texas 77478, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0013628001 (EPA I.D. No. TX0111872) to authorize the discharge of treated wastewater at a volume not to exceed an annual average flow of 6,000,000 gallons per day. The domestic wastewater treatment facility is located at approximately 1.4 miles southwest from the intersection of Grand Parkway and New Territory Boulevard, in Fort Bend County, Texas 77479. The discharge route is from the plant site to Fort Bend County Levee Improvement District No. 7 ditch; thence to Brazos River Below Navasota River. TCEQ received this application on July 17, 2024. The permit application will be available for viewing and copying at City of Sugar Land City Hall, 2700 Town Center Boulevard North, Sugar Land, in Fort Bend County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.696388,29.577222&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 City of Sugar Land at the address stated above or by calling Mr. Randy Lock, Brazos River Authority, at 254-307-9826.

Issuance Date: August 6, 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. WQ0013628001

SOLICITUD. City of Sugar Land, 101A Gillingham Lane, Sugar Land, Texas 77478 ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0013628001 (EPA I.D. No. TX0111872) 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 6,000,000 galones por día. La planta está ubicada aproximadamente a 1.4 millas al suroeste de la intersección de New Territory Boulevard y Grand Parkway, en Sugar Land en el Condado de Fort Bend Texas. La ruta de descarga es del sitio de la planta a zanja del Distrito de Mejoramiento de Diques No. 7 del Condado de Fort Bend; de allí al río Brazos por debajo del río Navasota. La TCEQ recibió esta solicitud el July 17, 2024. La solicitud para el permiso estará disponible para leerla y copiarla en Ayuntamiento de la ciudad de Sugar Land, 2700 Town Center Boulevard North, Sugar Land, en Fort Bend Condado, Texas antes de la fecha de publicación de este aviso en el periódico. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.
https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.696388,29.577222&level=18

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

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

OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO CONTENCIOSO.

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

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

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

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

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

También se puede obtener información adicional del City of Sugar Land a la dirección indicada arriba o llamando a Mr. Randy Lock, Brazos River Authority, al 254-307-9826.

Fecha de emission: 6 de agosto de 2024

Brazos RIVER AUTHORITY

DEVELOP • MANAGE • PROTECT

Certified Mail #*7020 1810 0000 6462 2766*
Return Receipt Requested

July 10, 2024

Applications Review and Processing Team (MC 148)
Water Quality Division
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, TX 78711-3087

RE: City of Sugar Land
New Territory Wastewater Treatment Facility
Permit No. WQ0013628001, EPA – TX0111872
Application to Renew Permit without changes.

Dear Application Review and Processing Team,
The enclosed application package for renewal of Permit No. WQ0013628001 without changes is hereby submitted for the Commission's processing. No facility modifications have been added to the existing process and the annual average flow capacity remains at 2.5 MGD. The permit renewal fee has been submitted to the TCEQ Cashier's (MC- 214) as required.

This package includes one original with inked signature, and three copies for TCEQ's use as requested. If you have any questions or comments, please contact me at 254-307-9826 or by email at randy.lock@brazos.org.

Sincerely

Randy L. Lock
Regional Operations Superintendent
Brazos River Authority
16450 Southwest Freeway
Sugarland, TX 77479

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: City of Sugar Land

PERMIT NUMBER (If new, leave blank): WQ00 13628001

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: 268311

Check/Money Order Amount: $2015.00

Name Printed on Check: Brazos River Authority

EPAY — Voucher Number: Click to enter text.

Copy of Payment Voucher enclosed? Yes ☐

Section 2. Type of Application (Instructions Page 26)

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

☒ Publicly-Owned Domestic Wastewater

☐ Privately-Owned Domestic Wastewater

☐ Conventional Wastewater Treatment

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

☒ Active ☐ Inactive

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

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

d. Check the box next to the appropriate application type

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

e. For amendments or modifications, describe the proposed changes: Click to enter text.

f. For existing permits:

Permit Number: WQ00 13628001

EPA I.D. (TPDES only): TX 0111872

Expiration Date: October 15, 2024

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

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

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

City of Sugar Land

(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: 600593990

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: Goodrum, Michael W.

Title: City Manager 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: Click to enter text.

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

Prefix: Click to enter text. Last Name, First Name: Click to enter text.

Title: Click to enter text. Credential: Click to enter text.

Provide a brief description of the need for a co-permittee: Click to enter text.

C. Core Data Form

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

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: Lock, Randy

Title: Regional Operations Superintendent Credential: Click to enter text.

Organization Name: Brazos River Authority

Mailing Address: 16450 Southwest Freeway City, State, Zip Code: Sugar Land, TX 77478

Phone No.: (254) 307-9826 E-mail Address: randy.lock@brazos.org

Check one or both: ☒ Administrative Contact ☒ Technical Contact

B. Prefix: Mr. Last Name, First Name: Gathright, Nathan

Title: Regulatory Compliance and Permitting Coordinator Credential: Click to enter text.

Organization Name: Brazos River Authority

Mailing Address: P.O. Box 7555 City, State, Zip Code: Waco, TX, 76714

Phone No.: (254) 761-3242 E-mail Address: nathan.gathright@brazos.org

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: Lock, Randy

Title: Regional Operations Superintendent Credential: Click to enter text.

Organization Name: Brazos River Authority

Mailing Address: 16450 Southwest Freeway City, State, Zip Code: Sugar Land, TX 77478

Phone No.: (254) 307-9826 E-mail Address: randy.lock@brazos.org

B. Prefix: Mr. Last Name, First Name: Gathright, Nathan

Title: Regulatory Compliance and Permitting Coordinator Credential: Click to enter text.

Organization Name: Brazos River Authority

Mailing Address: P.O. Box 7555 City, State, Zip Code: Waco, TX, 76714

Phone No.: (254) 761-3242 E-mail Address: nathan.gathright@brazos.org

Section 6. Billing Contact Information (Instructions Page 27)

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

Prefix: Click to enter text. Last Name, First Name: Accounts Payable

Title: Accounts Payable Credential: Click to enter text.

Organization Name: City of Sugar Land

Mailing Address: P.O. Box 110 City, State, Zip Code: Sugar Land, Tx 77487-0110

Phone No.: 281-275-2745 E-mail Address: accountspayable@sugarlandtx.org

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

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

Prefix: Mr. Last Name, First Name: Lock, Randy

Title: Regional Operations Superintendent Credential: Click to enter text.

Organization Name: Brazos River Authority

Mailing Address: 16450 Southwest Freeway City, State, Zip Code: Sugar Land, TX 77478

Phone No.: (254) 307-9826 E-mail Address: randy.lock@brazos.org

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Miss Last Name, First Name: Dominquez, Cathy

Title: Regional Customer Relations Business Manager Credential: Click to enter text.

Organization Name: Brazos River Authority

Mailing Address: P.O. Box 7555 City, State, Zip Code: Waco, TX 76714

Phone No.: 254-761-3176 E-mail Address: cathy.domimguez@brazos.org

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: Lock, Randy

Title: Regional Operations Superintendent Credential: Click to enter text.

Organization Name: Brazos River Authority

Mailing Address: 16450 Southwest Freeway City, State, Zip Code: Sugar Land, TX 77478

Phone No.: (254) 307-9826 E-mail Address: randy.lock@brazos.org

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: City of Sugar Land City Hall

Location within the building: City Secretary Front Desk

Physical Address of Building: 2700 Town Center Blvd. N., Sugar Land, TX 77479

City: Sugar Land County: Fort Bend

Contact (Last Name, First Name): Lenio, Robin

Phone No.: (281) 275-2730 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 – Plain Language Summary

G. Public Involvement Plan Form

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

Attachment: 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** 102845930

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):

City of Sugar Land New Territory North Regional Wastewater Treatment Facility

C. Owner of treatment facility: City Of Sugar Land

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

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

Prefix: Click to enter text. Last Name, First Name: City of Sugar Land

Title: Click to enter text. Credential: Click to enter text.

Organization Name: City of Sugar Land

Mailing Address: 101A Gillingham Lane City, State, Zip Code: Sugar Land, TX 77478

Phone No.: 281-275-2700 E-mail Address: 311@sugarlandtx.gov

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

Attachment: Click to enter text.

E. Owner of effluent disposal site:

Prefix: Click to enter text. Last Name, First Name: Click to enter text.

Title: Click to enter text. Credential: Click to enter text.

Organization Name: Click to enter text.

Mailing Address: Click to enter text. City, State, Zip Code: Click to enter text.

Phone No.: Click to enter text. E-mail Address: Click to enter text.

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

Attachment: Click to enter text.

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

Prefix: Click to enter text. Last Name, First Name: Click to enter text.

Title: Click to enter text. Credential: Click to enter text.

Organization Name: Click to enter text.

Mailing Address: Click to enter text. City, State, Zip Code: Click to enter text.

Phone No.: Click to enter text. E-mail Address: Click to enter text.

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

Attachment: Click to enter text.

Section 10. TPDES Discharge Information (Instructions Page 31)

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

☒ Yes ☐ No

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

Click to enter text.

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

☒ Yes ☐ No

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

Click to enter text.

City nearest the outfall(s): Sugar Land

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

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: Fort Bend, Brazoria

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:

Click to enter text.

B. City nearest the disposal site: Click to enter text.

C. County in which the disposal site is located: Click to enter text.

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

Click to enter text.

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

Section 12. Miscellaneous Information (Instructions Page 32)

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

☐ Yes ☒ No

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

☐ Yes ☐ No ☒ Not Applicable

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

Click to enter text.

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

☐ Yes ☒ No

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

D. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

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

Account number: Click to enter text.

Amount past due: Click to enter text.

E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

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

Enforcement order number: Click to enter text.

Amount past due: Click to enter text.

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, Attachment 3 – USGS Topographic Map, Attachment 4 – SPIF, Attachment 5 – Checks Submittal

Section 14. Signature Page (Instructions Page 34)

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

Permit Number: WQ0013628001, TX0111872

Applicant: City of Sugar Land

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): Michael W. Goodrum

Signatory title: City Manager

Signature: _____ Date: 07-16-24

(Use blue ink)

Subscribed and Sworn to before me by the said City Manager, Mike Goodrum

on this 16 day of July, 20 24.

My commission expires on the 14 day of April, 20 27.

Emily Lopez

Notary Public *[SEAL]*

Fort Bend

County, Texas

EMILY NAOMI LOPEZ NOTARY PUBLIC STATE OF TEXAS ID 134307418 EXP 04-14-2027

DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

The following information is required for new and amendment applications.

Section 1. Affected Landowner Information (Instructions Page 36)

A. Indicate by a check mark that the landowners map or drawing, with scale, includes the following information, as applicable:

- ☐ The applicant's property boundaries
- ☐ The facility site boundaries within the applicant's property boundaries
- ☐ The distance the buffer zone falls into adjacent properties and the property boundaries of the landowners located within the buffer zone
- ☐ The property boundaries of all landowners surrounding the applicant's property (Note: if the application is a major amendment for a lignite mine, the map must include the property boundaries of all landowners adjacent to the new facility (ponds).)
- ☐ The point(s) of discharge and highlighted discharge route(s) clearly shown for one mile downstream
- ☐ The property boundaries of the landowners located on both sides of the discharge route for one full stream mile downstream of the point of discharge
- ☐ The property boundaries of the landowners along the watercourse for a one-half mile radius from the point of discharge if the point of discharge is into a lake, bay, estuary, or affected by tides
- ☐ The boundaries of the effluent disposal site (for example, irrigation area or subsurface drainfield site) and all evaporation/holding ponds within the applicant's property
- ☐ The property boundaries of all landowners surrounding the effluent disposal site
- ☐ The boundaries of the sludge land application site (for land application of sewage sludge for beneficial use) and the property boundaries of landowners surrounding the applicant's property boundaries where the sewage sludge land application site is located
- ☐ The property boundaries of landowners within one-half mile in all directions from the applicant's property boundaries where the sewage sludge disposal site (for example, sludge surface disposal site or sludge monofill) is located

B. ☐ Indicate by a check mark that a separate list with the landowners' names and mailing addresses cross-referenced to the landowner's map has been provided.

C. Indicate by a check mark in which format the landowners list is submitted:

☐ USB Drive ☐ Four sets of labels

D. Provide the source of the landowners' names and mailing addresses: Click to enter text.

E. As required by *Texas Water Code § 5.115*, is any permanent school fund land affected by this application?

☐ Yes ☐ No

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

Click to enter text.

Section 2. Original Photographs (Instructions Page 38)

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

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

Section 3. Buffer Zone Map (Instructions Page 38)

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

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

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

- ☐ Ownership
- ☐ Restrictive easement
- ☐ Nuisance odor control
- ☐ Variance

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

☐ Yes ☐ No

DOMESTIC WASTEWATER PERMIT APPLICATION

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

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

Attachment: Attachment 6 – SPIF

WATER QUALITY PERMIT

PAYMENT SUBMITTAL FORM

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

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

Mail this form and the check or money order to:

BY REGULAR U.S. MAIL

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

BY OVERNIGHT/EXPRESS MAIL

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

Fee Code: WQP **Waste Permit No:** WQ0013628001

1. Check or Money Order Number: 268311
2. Check or Money Order Amount: $2015.00
3. Date of Check or Money Order: 3/21/2024
4. Name on Check or Money Order: Brazos River Authority
5. APPLICATION INFORMATION

   Name of Project or Site: City of Sugar Land, New Territory North Regional Wastewater Treatment Facility

   Physical Address of Project or Site: 4050 U.S. Highway 90A, Sugar Land, TX 77479

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

Staple Check or Money Order in This Space

ATTACHMENT 1

INDIVIDUAL INFORMATION

Section 1. Individual Information (Instructions Page 41)

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

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

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

Driver's License or State Identification Number: Click to enter text.

Date of Birth: Click to enter text.

Mailing Address: Click to enter text.

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

Phone Number: Click to enter text. Fax Number: Click to enter text.

E-mail Address: Click to enter text.

CN: Click to enter text.

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

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST OF COMMON DEFICIENCIES

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

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

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

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

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

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

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

Things to Know:

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

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

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

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

Plain Language Summary ☒ Yes

Attachment 1 – Core Data Form 10400

City of Sugar Land, New Territory North Regional Wastewater Treatment Facility

Permit: WQ0013628001

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 600593990		**RN 102845930**

SECTION II: Customer Information

4. General Customer Information	**5. Effective Date for Customer Information Updates** (mm/dd/yyyy)	3/27/2024

☐ 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:*
City of Sugar Land	

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	**13. Independently Owned and Operated?**
☐ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☒ 501 and higher	☐ **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:	101A Gillimgham Lane						
	City	Sugar Land	**State**	TX	**ZIP**	77478	**ZIP + 4**

16. Country Mailing Information *(if outside USA)*	17. E-Mail Address *(if applicable)*
	cstroud@sugarlandtx.gov

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(281) 275-2450		( ) -

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.)*

New Territory North Regional Wastewater Treatment Plant

23. Street Address of the Regulated Entity: *(No PO Boxes)*								
	City		State	TX	ZIP	77479	ZIP + 4	
24. County	Fort Bend							

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

25. Description to Physical Location:	Located approximately 1.4 miles southwest from the intersection of New Territory Boulevard and Grand Parkway at 4050 U.S. Highway 90A, Sugar Land, in Fort Bend County, Texas 77479

26. Nearest City	State	Nearest ZIP Code
Sugar Land	TX	77479

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:	29.405658		28. Longitude (W) In Decimal:	-95.696667	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds

29. Primary SIC Code (4 digits)	30. Secondary SIC Code (4 digits)	31. Primary NAICS Code (5 or 6 digits)	32. Secondary NAICS Code (5 or 6 digits)
4952		22132	

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

Wastewater Treatment Facility

34. Mailing Address:	**101A Gillingham Lane**

	City	Sugar Land	State	TX	ZIP	77478	ZIP + 4	
35. E-Mail Address:								
36. Telephone Number			**37. Extension or Code**		**38. Fax Number** *(if applicable)*			
(281) 275-2450					**( ) -**			

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:
	WQ0013628001			

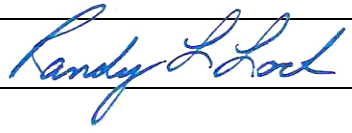
SECTION IV: Preparer Information

40. Name:	Randy Lock	**41. Title:**	Regional Operations Superintenden

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(254) 307-9826		**( ) -**	randy.lock@brazos.org

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:	Brazos River Authority	**Job Title:**	Regional Operations Superintendent
Name *(In Print):*	Randy Lock	**Phone:**	**(254)** 307- **9826**
Signature:		**Date:**	7/10/2024

Attachment 2 – Plain Language Form 20972

City of Sugar Land, New Territory North Regional Wastewater Treatment Facility

Permit: WQ0013628001

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

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

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

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

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

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

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

City of Sugar Land (CN600593990) operates City of Sugar Land New Territory North Regional Wastewater Treatment Facility (RN102845930), a municipal wastewater treatment facility. The facility is located at 4050 U.S. Highway 90A, in Sugar Land, Fort Bend County, Texas 77479. The following application is a renewal to continue discharging an annual average of 2.5 million gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD5), total suspended solids (TSS), ammonia nitrogen (NH3-N) and *Escherichia* coli, inside of TPDES permit levels. 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 conventional activated sludge process and the treatment units include a bar screen, aeration basins, final clarifiers, sludge digesters, filter belt press, chlorine contact chambers, de-chlorination, and an effluent outfall.

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

AGUAS RESIDUALES DOMÉSTICAS **/AGUAS PLUVIALES**

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

City of Sugar Land (CN600593990) opera la Planta de Tratamiento de Aguas Residuales Regional del Norte (RN102845930) de la Ciudad de Sugar Land, una instalación municipal de tratamiento de aguas residuales. La instalación está ubicada en 4050 U.S. Highway 90A, Sugar Land, Fort Bend County, Texas 77479. La siguiente solicitud es una renovación para continuar descargando un promedio anual de 2.5 millones de galones por día de aguas residuales domésticas tratadas.

Se espera que las descargas de la instalación contengan una demanda de oxígeno bioquímico carbonoso (CBOD5) de cinco días, sólidos suspendidos totales (TSS), nitrógeno amoniacal (NH3-N) y Escherichia coli, dentro de los niveles permitidos por TPDES. 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 convencional de lodos activados y las unidades de tratamiento incluyen una criba de barras, cuencas de aireación, clarificadores finales, digestores de lodos, prensa de cinta filtrante, cámaras de contacto con cloro, decloración y un emisario de efluentes.

INSTRUCTIONS

1. Enter the name of applicant in this section. The applicant name should match the name associated with the customer number.
2. Enter the Customer Number in this section. Each Individual or Organization is issued a unique 11-digit identification number called a CN (e.g. CN123456789).
3. Choose “operates” in this section for existing facility applications or choose “proposes to operate” for new facility applications.
4. Enter the name of the facility in this section. The facility name should match the name associated with the regulated entity number.
5. Enter the Regulated Entity number in this section. Each site location is issued a unique 11-digit identification number called an RN (e.g. RN123456789).
6. Choose the appropriate article (a or an) to complete the sentence.
7. Enter a description of the facility in this section. For example: steam electric generating facility, nitrogenous fertilizer manufacturing facility, etc.
8. Choose “is” for an existing facility or “will be” for a new facility.
9. Enter the location of the facility in this section.
10. Enter the City nearest the facility in this section.
11. Enter the County nearest the facility in this section.
12. Enter the zip code for the facility address in this section.
13. Enter a summary of the application request in this section. For example: renewal to discharge 25,000 gallons per day of treated domestic wastewater, new application to discharge process wastewater and stormwater on an intermittent and flow-variable basis, or major amendment to reduce monitoring frequency for pH, etc. If more than one outfall is included in the application, provide applicable information for each individual outfall.
14. List all pollutants expected in the discharge from this facility in this section. If applicable, refer to the pollutants from any federal numeric effluent limitations that apply to your facility.
15. Enter the discharge types from your facility in this section (e.g., stormwater, process wastewater, once through cooling water, etc.)
16. Choose the appropriate verb tense to complete the sentence.
17. Enter a description of the wastewater treatment used at your facility. Include a description of each process, starting with initial treatment and finishing with the outfall/point of disposal. Use additional lines for individual discharge types if necessary.

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.

Example

Individual Industrial Wastewater Application

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 are not federal enforceable representations of the permit application.

ABC Corporation (CN600000000) operates the Starr Power Station (RN10000000000), a two-unit gas-fired electric generating facility. Unit 1 has a generating capacity of 393 megawatts (MWs) and Unit 2 has a generating capacity of 528 MWs. The facility is located at 1356 Starr Street, near the City of Austin, Travis County, Texas 78753.

This application is for a renewal to discharge 870,000,000 gallons per day of once through cooling water, auxiliary cooling water, and also authorizes the following waste streams monitored inside the facility (internal outfalls) before it is mixed with the other wastewaters authorized for discharge via main Outfall 001, referred to as “previously monitored effluents” (low-volume wastewater, metal-cleaning waste, and stormwater (from diked oil storage area yards and storm drains)) via Outfall 001. Low-volume waste sources, metal-cleaning waste, and stormwater drains on a continuous and flow-variable basis via internal Outfall 101.

The discharge of once through cooling water via Outfall 001 and low-volume waste and metal-cleaning waste via Outfall 101 from this facility is subject to federal effluent limitation guidelines at 40 CFR Part 423. The pollutants expected from these discharges based on 40 CFR Part 423 are: free available chlorine, total residual chlorine, total suspended solids, oil and grease, total iron, total copper, and pH. Temperature is also expected from these discharges. Additional potential pollutants are included in the Industrial Wastewater Application Technical Report, Worksheet 2.0.

Cooling water and boiler make-up water are supplied by Lake Starr Reservoir. The City of Austin municipal water plant (CN600000000, PWS 00000) supplies the facility’s potable water and serves as an alternate source of boiler make-up water. Water from the Lake Starr Reservoir is withdrawn at the intake structure and treated with sodium hypochlorite to prevent biofouling and sodium bromide as a chlorine enhancer to improve efficacy and then passed through condensers and auxiliary equipment on a once-through basis to cool equipment and condense exhaust steam.

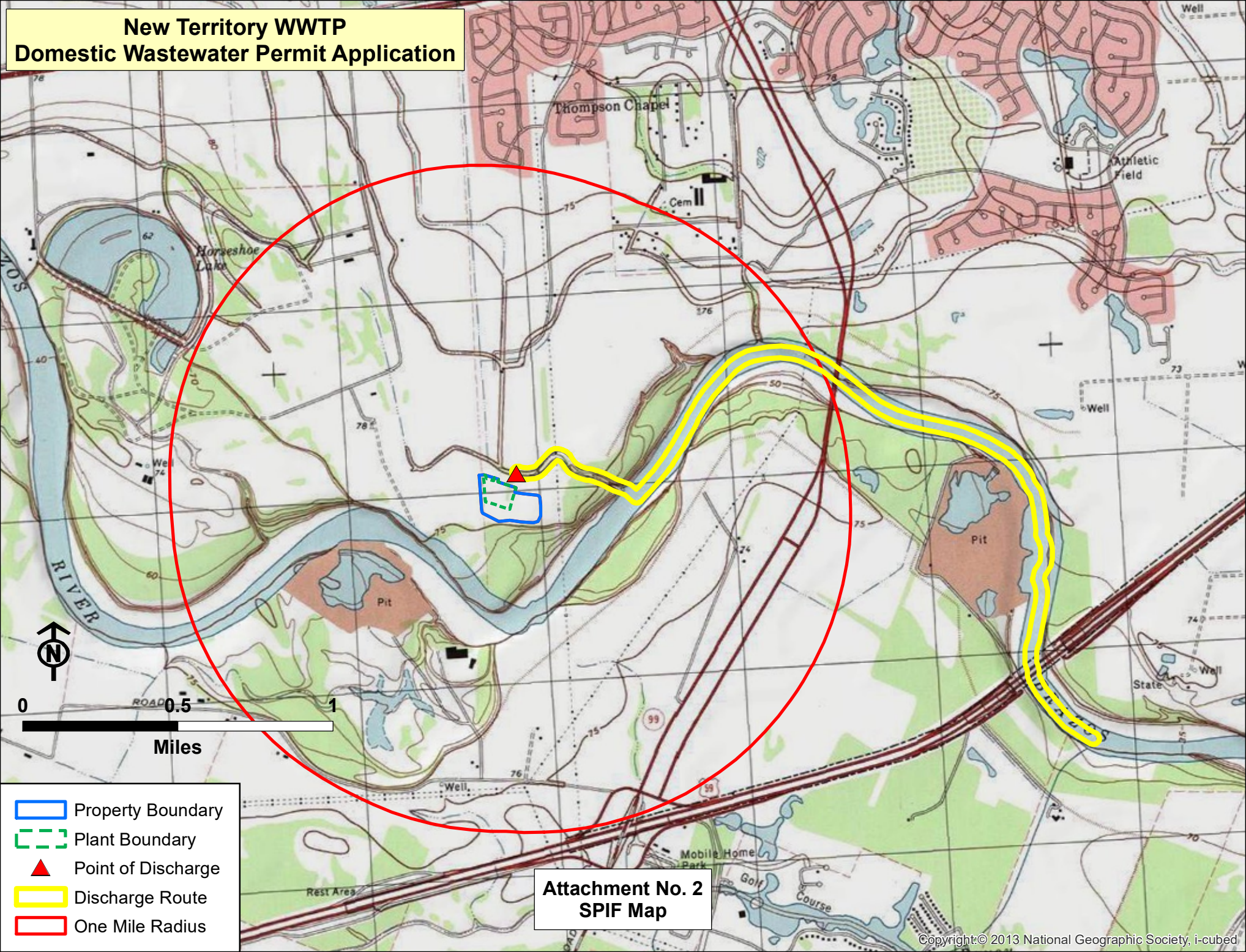
Low-volume wastewater from blowdown of boiler Units 1 and 2 and metal-cleaning wastes receive no treatment prior to discharge via Outfall 101. Plant floor and equipment drains and stormwater runoff from diked oil storage areas, yards, and storm drains are routed through an oil and water separator prior to discharge via Outfall 101. Domestic wastewater, blowdown, and backwash water from the service water filter, clarifier, and sand filter are routed to the Starr Creek Domestic Sewage Treatment Plant, TPDES Permit No. WQ0010000001, for treatment and disposal. Metal-cleaning waste from equipment cleaning is generally disposed of off-site.

Attachment 3 – USGS Topographic Map

City of Sugar Land, New Territory North Regional Wastewater Treatment Facility

Permit: WQ0013628001

New Territory WWTP
Domestic Wastewater Permit Application



Attachment 4 – SPIF 20971

City of Sugar Land, New Territory North Regional Wastewater Treatment Facility

Permit: WQ0013628001

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: City of Sugar Land

   Permit No. WQ00 13628001 EPA ID No. TX 0111872

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

   Located approximately 1.4 miles southwest from the intersection of New Territory Boulevard and Grand Parkway at 4050 U.S. Highway 90A, Sugar Land, in Fort Bend County, Texas 77479

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: Brian Butscher

Credential (P.E, P.G., Ph.D., etc.): Click here to enter text.

Title: Public Works Director

Mailing Address: 101A Gillingham Lane

City, State, Zip Code: Sugar Land, Texas 77478

Phone No.: 281-254-2700 Ext.: Click here to enter text. Fax No.: Click here to enter text.

E-mail Address: bbutscher@sugarlandtx.gov

2. List the county in which the facility is located: Fort Bend
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.

Fort Bend County Levee Improvement District No. 7 ditch, thence to Brazos River below Navasota River in Segment No. 1202 of the Brazos 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):

N/A

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

N/A

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

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

N/A

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

N/A

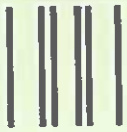
Attachment 5 – Check Submittal

City of Sugar Land, New Territory North Regional Wastewater Treatment Facility

Permit: WQ0013628001

USPS TRACKING #

9590 9402 6312 0274 7724 21



First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

United States
Postal Service

• Sender: Please print your name, address, and ZIP+4® in this box•

BRAZOS RIVER AUTHORITY
ATTN: JAY MIDDLETON
4407 SOUTH IH 35, SUITE 101
GEORGETOWN, TX 78626

SL NEW TERRORITY RENEWAL FEE

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

TCEQ
FINANCIAL ADMINISTRATION DIVISION
CASHIER'S OFFICE MC-214
P.O. BOX 13088
AUSTIN, TX 78711-3088

9590 9402 6312 0274 7724 21

2. Article Number *(Transfer from service label)*

9022 2410 0000 0426 9678

PS Form 3811, July 2020 PSN 7530-02-000-9053 — Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent
☐ Addressee

B. Received by *(Printed Name)*

C. Date of Delivery

TX Comptroller Mail
MAR 26 2024

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ■ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Insured Mail Restricted Delivery (over $500)
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ■ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at *www.usps.com®*.

Austin TX 78711

OFFICIAL USE

Certified Mail Fee	$4.40
Extra Services & Fees *(check box, add fee as appropriate)*	
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$1.63
Total Postage and Fees	$6.03

USPS-WESTVIEW STA
Postmark Here
MAR 21 2024
03/21/2024
MC 214

Sent To: TCEQ FINANCIAL ADMINISTRATION DIVISION
Street and Apt. No., or PO Box No.: P.O. BOX 13088
City, State, ZIP+4®: AUSTIN, TX 78711-3088

7022 2410 0000 0426 9678

PS Form 3800, April 2015 PSN 7530-02-000-9047 — See Reverse for Instructions

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): 2.5

2-Hr Peak Flow (MGD): 10.0

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

B. Interim II Phase

Design Flow (MGD): Click to enter text.

2-Hr Peak Flow (MGD): Click to enter text.

Estimated construction start date: Click to enter text.

Estimated waste disposal start date: Click to enter text.

C. Final Phase

Design Flow (MGD): 6.0

2-Hr Peak Flow (MGD): 24.0

Estimated construction start date: 2028

Estimated waste disposal start date: 2029

D. Current Operating Phase

Provide the startup date of the facility: Interim I Phase - 01/1994

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**.

The plant is equipped with an on-site lift station, mechanical rake screen and utilizes the activated sludge process operated in complete mix mode. Treatment units include two aeration basins, two clarifiers, three digesters, and two chlorine disinfection basins.

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)
Existing Aeration Basin	2	**85'x32'x12'**
Existing Clarifier	1 1	85'x10' 65'x10'
Existing Aerobic Digester	2	3,830square feet x12'
Existing Sludge Thickener	1	1,778 square feet x12'
Existing Chlorine Contact Basin	1 1	60.7' x 17' x 17' 430 square feet x12'
Final Clarifier	1 1 2	85' x 10' 58' x 10' 93' x 10'
Final Aeration Basin	1 1	132' x 65' x 25' 144' x 32.5' x 25'
Final Aerobic Digester	2 2	1405 square feet x 23' 1967 square feet x 23'
Final UV Basin	1	2.5' x 2.5' x 6.75'

C. Process Flow Diagram

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

Attachment: Attachment 6 – Flow Diagram

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

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

- Latitude: 29 34’ 41.82” N
- Longitude: 95 41’ 43.95” W

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 7 – Service Map

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

New Territory Subdivision, formally known as Fort Bend County Municipal Utility District No.112, and the area served is a residential community with no industrial contributors

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
New Territory Subdivision	City of Sugar Land	Publicly Owned	9,000
		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**.

Fort Bend County Municipal Utility District No.112 was recently annexed by the City in Sugar Land 2017. Prior to annexation, the City has been evaluating options including planning to expand the New Territory facility reducing influent flows the City of Sugar Lands North (WQ0011317-001) and South (WQ0011317-002) WWTPs. This planned expansion will be needed to provide service to the expanding service area around the New Territory Subdivision. With growth pacing at historic levels Texas, failure to include the final unbuilt phase in this permit renewal could create delays and expensive cost to the residents of Sugar Land.

Section 5. Closure Plans (Instructions Page 45)

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

Click to enter text.

Section 6. Permit Specific Requirements (Instructions Page 45)

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

A. Summary transmittal

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

☒ Yes ☐ No

If yes, provide the date(s) of approval for each phase: Existing – 01/1994

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

N/A

B. Buffer zones

Have the buffer zone requirements been met?

☒ Yes ☐ No

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

Requirements are met by ownership of buffer zone. Residential structures are prohibited in the portion of the buffer zone that is not owned by the applicant.

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*.

Per Other Requirements section #8, will notify TCEQ "prior to construction of the Final phase treatment facilities and submit to the TCEQ Wastewater Permitting Section (MC 148) a summary transmittal letter in accordance with the requirements in 30 TAC§ 217.6(d).

D. Grit and grease treatment

1. Acceptance of grit and grease waste

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

☐ Yes ☒ No

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

2. Grit and grease processing

Describe below how the grit and grease waste is treated at the facility. In your description, include how and where the grit and grease is introduced to the treatment

works and how it is separated or processed. Provide a flow diagram showing how grit and grease is processed at the facility.

Click to enter text.

3. *Grit disposal*

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

☐ Yes ☐ No

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

Describe the method of grit disposal.

Click to enter text.

4. *Grease and decanted liquid disposal*

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

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

Click to enter text.

E. Stormwater management

1. *Applicability*

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

☒ Yes ☐ No

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

☐ Yes ☒ No

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

2. *MSGP coverage*

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

☒ Yes ☐ No

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

TXR05 BC19 or TXRNE Click to enter text.

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

☐ Yes ☐ No

3. Conditional exclusion

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

☐ Yes ☒ No

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

Click to enter text.

4. Existing coverage in individual permit

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

☐ Yes ☒ No

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

Click to enter text.

5. Zero stormwater discharge

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

☐ Yes ☒ No

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

Click to enter text.

Note: If there is a potential to discharge any stormwater to surface water in the state as the result of any storm event, then permit coverage is required under the MSGP or an individual discharge permit. This requirement applies to all areas of facilities with treatment plants or systems that treat, store, recycle, or reclaim domestic sewage, wastewater or sewage sludge (including dedicated lands for sewage sludge disposal

located within the onsite property boundaries) that meet the applicability criteria of above. You have the option of obtaining coverage under the MSGP for direct discharges, (recommended), or obtaining coverage under this individual permit.

6. Request for coverage in individual permit

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

☐ Yes ☒ No

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

Click to enter text.

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

F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

☐ Yes ☒ No

If yes, attach a Sewage Sludge Solids Management Plan. See Example 5 in the instructions. Click to enter text.

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

1. Acceptance of sludge from other WWTPs

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

☐ Yes ☒ No

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

Click to enter text.

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

2. ***Acceptance of septic waste***

Is the facility accepting or will it accept septic waste?

☐ Yes ☒ No

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

☐ Yes ☐ No

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

☐ Yes ☐ No

If yes to any of the above, provide the date the plant started or is anticipated to start accepting septic waste, an estimate of monthly septic waste acceptance (gallons or millions of gallons), an estimate of the BOD_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.

Click to enter text.

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

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

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

☐ Yes ☒ No

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

Click to enter text.

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

Is the facility in operation?

☒ Yes ☐ No

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

If yes, provide effluent analysis data for the listed pollutants. ***Wastewater treatment facilities*** complete Table 1.0(2). 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	2.22	4.0	9	Comp	11/2023
Total Suspended Solids, mg/l	4.78	11.00	9	Comp	11/2023
Ammonia Nitrogen, mg/l	0.07	0.10	9	Comp	11/2023
Nitrate Nitrogen, mg/l	N/A	21.2	1	Grab	11/08/23 17:45
Total Kjeldahl Nitrogen, mg/l	N/A	0.540	1	Grab	11/13/23 14:48
Sulfate, mg/l	N/A	45.5	1	Grab	11/08/23 17:45
Chloride, mg/l	N/A	140	1	Grab	11/08/23 23:08
Total Phosphorus, mg/l	N/A	4.73	1	Grab	11/14/23 17:38
pH, standard units	7.42	8.10	21	Grab	11/2023
Dissolved Oxygen*, mg/l	7.87	9.08	21	Grab	11/2023
Chlorine Residual, mg/l	2.87	6.48	30	Grab	11/2023
E.coli (CFU/100ml) freshwater	4.0	201	4	Grab	11/2023
Entercocci (CFU/100ml) saltwater	N/A	N/A	N/A	N/A	N/A
Total Dissolved Solids, mg/l	N/A	576	1	Grab	11/09/23 17:05
Electrical Conductivity, µmohs/cm, †	N/A	930	1	Grab	11/09/23 15:25
Oil & Grease, mg/l	N/A	<1.42	1	Grab	11/10/23 16:30
Alkalinity ($CaCO_3$)*, mg/l	131.5	134	4	Comp	11/2023

*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				

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Alkalinity ($CaCO_3$), mg/l	N/A				

Section 8. Facility Operator (Instructions Page 50)

Facility Operator Name: Daniel Trigo

Facility Operator's License Classification and Level: Wastewater Treatment Operator B

Facility Operator's License Number: WW0030251

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	On-Site Owner or Operator	Not Applicable	175	Class B: PSRP Aerobic Digestion	Option 1: Volatile solids reduced by 38%
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: WCA Fort Bend Regional Landfill

TCEQ permit or registration number: 2270

County where disposal site is located: Fort Bend

E. Transportation method

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

Name of the hauler: Sprint Waste Services

Hauler registration number: 25978

Sludge is transported as a:

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

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

A. Beneficial use authorization

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

☐ Yes ☐ No

B. Sludge processing authorization

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

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

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

☐ Yes ☐ No

Section 11. Sewage Sludge Lagoons (Instructions Page 53)

Does this facility include sewage sludge lagoons?

☐ Yes ☒ No

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

A. Location information

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

- Original General Highway (County) Map:

  Attachment: 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:

TCEQ issues an authorization for reclaimed water (No. R13628001A) on May 22, 2015, which allows for the use of Type I reclaimed water from the New Territory Regional Wastewater Treatment Plant facility to be used for irrigation of landscape and public parks and maintenance to off channel water bodies.

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:

Click to enter text.

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: Click to enter text.

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: Randy Lock

Title: Regional Operations Superintendent

Signature: Randy L Lock

Date: 7-15-2024

DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.1

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

Section 1. Justification for Permit (Instructions Page 57)

A. Justification of permit need

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

Click to enter text.

B. Regionalization of facilities

For additional guidance, please review TCEQ's Regionalization Policy for Wastewater Treatment[1].

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

1. *Municipally incorporated areas*

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

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

☐ Yes ☐ No ☐ Not Applicable

If yes, within the city limits of: Click to enter text.

If yes, attach correspondence from the city.

Attachment: Click to enter text.

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

Attachment: Click to enter text.

2. *Utility CCN areas*

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

☐ Yes ☐ No

[1] https://www.tceq.texas.gov/permitting/wastewater/tceq-regionalization-for-wastewater

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

Attachment: Click to enter text.

3. Nearby WWTPs or collection systems

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

☐ Yes ☐ No

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

Attachment: Click to enter text.

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

Attachment: Click to enter text.

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

Attachment: Click to enter text.

Section 2. Proposed Organic Loading (Instructions Page 59)

Is this facility in operation?

☐ Yes ☐ No

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

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

A. Current organic loading

Facility Design Flow (flow being requested in application): Click to enter text.

Average Influent Organic Strength or BOD_5 Concentration in mg/l: Click to enter text.

Average Influent Loading (lbs/day = total average flow X average BOD_5 conc. X 8.34): Click to enter text.

Provide the source of the average organic strength or BOD_5 concentration.

Click to enter text.

B. Proposed organic loading

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

Table 1.1(1) – Design Organic Loading

Source	Total Average Flow (MGD)	Influent BOD5 Concentration (mg/l)
Municipality		
Subdivision		
Trailer park – transient		
Mobile home park		
School with cafeteria and showers		
School with cafeteria, no showers		
Recreational park, overnight use		
Recreational park, day use		
Office building or factory		
Motel		
Restaurant		
Hospital		
Nursing home		
Other		
TOTAL FLOW from all sources		
AVERAGE BOD_5 from all sources		

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

A. Existing/Interim I Phase Design Effluent Quality

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

Total Suspended Solids, mg/l: Click to enter text.

Ammonia Nitrogen, mg/l: Click to enter text.

Total Phosphorus, mg/l: Click to enter text.

Dissolved Oxygen, mg/l: Click to enter text.

Other: Click to enter text.

B. Interim II Phase Design Effluent Quality

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

Total Suspended Solids, mg/l: Click to enter text.

Ammonia Nitrogen, mg/l: Click to enter text.

Total Phosphorus, mg/l: Click to enter text.

Dissolved Oxygen, mg/l: Click to enter text.

Other: Click to enter text.

C. Final Phase Design Effluent Quality

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

Total Suspended Solids, mg/l: Click to enter text.

Ammonia Nitrogen, mg/l: Click to enter text.

Total Phosphorus, mg/l: Click to enter text.

Dissolved Oxygen, mg/l: Click to enter text.

Other: Click to enter text.

D. Disinfection Method

Identify the proposed method of disinfection.

☐ Chlorine: Click to enter text. mg/l after Click to enter text. minutes detention time at peak flow

Dechlorination process: Click to enter text.

☐ Ultraviolet Light: Click to enter text. seconds contact time at peak flow

☐ Other: Click to enter text.

Section 4. Design Calculations (Instructions Page 59)

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

Attachment: Click to enter text.

Section 5. Facility Site (Instructions Page 60)

A. 100-year floodplain

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

☐ Yes ☐ No

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

Click to enter text.

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

Click to enter text.

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

☐ Yes ☐ No

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

☐ Yes ☐ No

If yes, provide the permit number: Click to enter text.

If no, provide the approximate date you anticipate submitting your application to the Corps: Click to enter text.

B. Wind rose

Attach a wind rose: Click to enter text.

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

A. Beneficial use authorization

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

☐ Yes ☐ No

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

B. Sludge processing authorization

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

☐ Sludge Composting

☐ Marketing and Distribution of sludge

☐ Sludge Surface Disposal or Sludge Monofill

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

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

Attach a solids management plan to the application.

Attachment: Click to enter text.

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

- Treatment units and processes dimensions and capacities

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

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

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: Click to enter text.

Distance and direction to the intake: Click to enter text.

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

Attachment: Click to enter text.

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

Does the facility discharge into tidally affected waters?

☐ Yes ☒ No

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

A. Receiving water outfall

Width of the receiving water at the outfall, in feet: Click to enter text.

B. Oyster waters

Are there oyster waters in the vicinity of the discharge?

☐ Yes ☐ No

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

Click to enter text.

C. Sea grasses

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

☐ Yes ☐ No

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

Click to enter text.

Section 3. Classified Segments (Instructions Page 64)

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

☐ Yes ☒ No

If yes, this Worksheet is complete.

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

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

Name of the immediate receiving waters: Alcorn Bayou, Segment No. 1245F

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.

Brazos River

D. Downstream characteristics

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

☐ Yes ☒ No

If yes, discuss how.

Click to enter text.

E. Normal dry weather characteristics

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

Man-made flood control ditch with normally low flow.

Date and time of observation: 06/12/2024 10:30

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
☐ Upstream discharges
☐ Septic tanks
☒ Urban runoff
☐ Agricultural runoff
☐ 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: Flood control & stormwater drainage

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: Click to enter text. Time of study: Click to enter text.

Stream name: Click to enter text.

Location: Click to enter text.

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: Click to enter text.

Number of stream bends that are moderately defined: Click to enter text.

Number of stream bends that are poorly defined: Click to enter text.

Number of riffles: Click to enter text.

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.

Click to enter text.

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.
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.			

Section 3. Summarize Measurements (Instructions Page 66)

Streambed slope of entire reach, from USGS map in feet/feet: Click to enter text.

Approximate drainage area above the most downstream transect (from USGS map or county highway map, in square miles): Click to enter text.

Length of stream evaluated, in feet: Click to enter text.

Number of lateral transects made: Click to enter text.

Average stream width, in feet: Click to enter text.

Average stream depth, in feet: Click to enter text.

Average stream velocity, in feet/second: Click to enter text.

Instantaneous stream flow, in cubic feet/second: Click to enter text.

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

Size of pools (large, small, moderate, none): Click to enter text.

Maximum pool depth, in feet: Click to enter text.

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 3.0: LAND DISPOSAL OF EFFLUENT

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

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

Identify the method of land disposal:

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

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

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

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

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

Table 3.0(1) – Land Application Site Crops

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

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

Table 3.0(2) – Storage and Evaporation Ponds

Pond Number	Surface Area (acres)	Storage Volume (acre-feet)	Dimensions	Liner Type

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

Attachment: Click to enter text.

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

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

☐ Yes ☐ No

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

Click to enter text.

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

Click to enter text.

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

Click to enter text.

Section 5. Annual Cropping Plan (Instructions Page 68)

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

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

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

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

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

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

Table 3.0(3) – Water Well Data

Well ID	Well Use	Producing? Y/N	Open, cased, capped, or plugged?	Proposed Best Management Practice
			Choose an item.	
			Choose an item.	
			Choose an item.	
			Choose an item.	
			Choose an item.	

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

Attachment: Click to enter text.

Section 7. Groundwater Quality (Instructions Page 69)

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

Attachment: Click to enter text.

Are groundwater monitoring wells available onsite? ☐ Yes ☐ No

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

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

Attachment: Click to enter text.

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

A. Soil map

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

Attachment: Click to enter text.

B. Soil analyses

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

Attachment: Click to enter text.

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

Table 3.0(4) – Soil Data

Soil Series	Depth from Surface	Permeability	Available Water Capacity	Curve Number

Section 9. Effluent Monitoring Data (Instructions Page 71)

Is the facility in operation?

☐ Yes ☐ No

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

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

Table 3.0(5) – Effluent Monitoring Data

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

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

Click to enter text.

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 3.1: SURFACE LAND DISPOSAL OF EFFLUENT

The following is required for new and major amendment permit applications. Renewal and minor amendment permit applications may be asked for this worksheet on a case by case basis.

Section 1. Surface Disposal (Instructions Page 72)

Complete the item that applies for the method of disposal being used.

A. Irrigation

Area under irrigation, in acres: Click to enter text.

Design application frequency:

hours/day Click to enter text. **And** days/week Click to enter text.

Land grade (slope):

average percent (%): Click to enter text.

maximum percent (%): Click to enter text.

Design application rate in acre-feet/acre/year: Click to enter text.

Design total nitrogen loading rate, in lbs N/acre/year: Click to enter text.

Soil conductivity (mmhos/cm): Click to enter text.

Method of application: Click to enter text.

Attach a separate engineering report with the water balance and storage volume calculations, method of application, irrigation efficiency, and nitrogen balance.

Attachment: Click to enter text.

B. Evaporation ponds

Daily average effluent flow into ponds, in gallons per day: Click to enter text.

Attach a separate engineering report with the water balance and storage volume calculations.

Attachment: Click to enter text.

C. Evapotranspiration beds

Number of beds: Click to enter text.

Area of bed(s), in acres: Click to enter text.

Depth of bed(s), in feet: Click to enter text.

Void ratio of soil in the beds: Click to enter text.

Storage volume within the beds, in acre-feet: Click to enter text.

Attach a separate engineering report with the water balance and storage volume calculations, and a description of the lining.

Attachment: Click to enter text.

D. Overland flow

Area used for application, in acres: Click to enter text.

Slopes for application area, percent (%): Click to enter text.

Design application rate, in gpm/foot of slope width: Click to enter text.

Slope length, in feet: Click to enter text.

Design BOD_5 loading rate, in lbs BOD_5/acre/day: Click to enter text.

Design application frequency:

hours/day: Click to enter text. **And** days/week: Click to enter text.

Attach a separate engineering report with the method of application and design requirements according to *30 TAC Chapter 217*.

Attachment: Click to enter text.

Section 2. Edwards Aquifer (Instructions Page 73)

Is the facility subject to *30 TAC Chapter 213*, Edwards Aquifer Rules?

☐ Yes ☐ No

If **yes**, is the facility located on the Edwards Aquifer Recharge Zone?

☐ Yes ☐ No

If yes, attach a geological report addressing potential recharge features.

Attachment: Click to enter text.

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 3.2: SURFACE LAND DISPOSAL OF EFFLUENT

The following **is required** for **new and major amendment** permit applications. Renewal and minor amendments applicants may be asked for the worksheet on a case by case basis.

NOTE: All applicants proposing new/amended subsurface disposal MUST complete and submit Worksheet 7.0. This worksheet applies to any subsurface disposal system that **does not meet** the definition of a subsurface area drip dispersal system as defined in *30 TAC Chapter 222, Subsurface Area Drip Dispersal System.*

Section 1. Subsurface Application (Instructions Page 74)

Identify the type of system:

- ☐ Conventional Gravity Drainfield, Beds, or Trenches (new systems must be less than 5,000 GPD)
- ☐ Low Pressure Dosing
- ☐ Other, specify: Click to enter text.

Application area, in acres: Click to enter text.

Area of drainfield, in square feet: Click to enter text.

Application rate, in gal/square foot/day: Click to enter text.

Depth to groundwater, in feet: Click to enter text.

Area of trench, in square feet: Click to enter text.

Dosing duration per area, in hours: Click to enter text.

Number of beds: Click to enter text.

Dosing amount per area, in inches/day: Click to enter text.

Infiltration rate, in inches/hour: Click to enter text.

Storage volume, in gallons: Click to enter text.

Area of bed(s), in square feet: Click to enter text.

Soil Classification: Click to enter text.

Attach a separate engineering report with the information required in *30 TAC § 309.20,* excluding the requirements of *§* 309.20 b(3)(A) and (B) design analysis which may be asked for on a case by case basis. Include a description of the schedule of dosing basin rotation.

Attachment: Click to enter text.

Section 2. Edwards Aquifer (Instructions Page 74)

Is the subsurface system over the Edwards Aquifer Recharge Zone as mapped by TCEQ?

☐ Yes ☐ No

Is the subsurface system over the Edwards Aquifer Transition Zone as mapped by TCEQ?

☐ Yes ☐ No

If yes to either question, the subsurface system may be prohibited by *30 TAC §213.8*. Please call the Municipal Permits Team, at 512-239-4671, to schedule a pre-application meeting.

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 3.3: SUBSURFACE AREA DRIP DISPERSAL (SADDS) LAND DISPOSAL OF EFFLUENT

The following **is required** for **new and major amendment** subsurface area drip dispersal system permit applications. Renewal and minor amendments applicants may be asked for the worksheet on a case by case basis.

NOTE: All applicants proposing new/amended subsurface disposal MUST complete and submit Worksheet 7.0. This worksheet applies to any subsurface disposal system that **meets** the definition of a subsurface area drip dispersal system as defined in *30 TAC Chapter 222, Subsurface Area Drip Dispersal System.*

Section 1. Administrative Information (Instructions Page 75)

A. Provide the legal name of all corporations or other business entities managed, owned, or otherwise closely related to the owner of the treatment facility:

B. Click to enter text. Is the owner of the land where the treatment facility is located the same as the owner of the treatment facility?

☐ Yes ☐ No

If **no**, provide the legal name of all corporations or other business entities managed, owned, or otherwise closely related to the owner of the land where the treatment facility is located.

Click to enter text.

C. Owner of the subsurface area drip dispersal system: Click to enter text.

D. Is the owner of the subsurface area drip dispersal system the same as the owner of the wastewater treatment facility or the site where the wastewater treatment facility is located?

☐ Yes ☐ No

If **no**, identify the names of all corporations or other business entities managed, owned, or otherwise closely related to the entity identified in Item 1.C.

Click to enter text.

E. Owner of the land where the subsurface area drip dispersal system is located: Click to enter text.

F. Is the owner of the land where the subsurface area drip dispersal system is located the same as owner of the wastewater treatment facility, the site where the wastewater treatment facility is located, or the owner of the subsurface area drip dispersal system?

☐ Yes ☐ No

If **no**, identify the name of all corporations or other business entities managed, owned, or otherwise closely related to the entity identified in item 1.E.

Click to enter text.

Section 2. Subsurface Area Drip Dispersal System (Instructions Page 75)

A. Type of system

☐ Subsurface Drip Irrigation

☐ Surface Drip Irrigation

☐ Other, specify: Click to enter text.

B. Irrigation operations

Application area, in acres: Click to enter text.

Infiltration Rate, in inches/hour: Click to enter text.

Average slope of the application area, percent (%): Click to enter text.

Maximum slope of the application area, percent (%): Click to enter text.

Storage volume, in gallons: Click to enter text.

Major soil series: Click to enter text.

Depth to groundwater, in feet: Click to enter text.

C. Application rate

Is the facility located **west** of the boundary shown in *30 TAC § 222.83* **and** also using a vegetative cover of non-native grasses over seeded with cool season grasses during the winter months (October-March)?

☐ Yes ☐ No

If yes, then the facility may propose a hydraulic application rate not to exceed 0.1 gal/square foot/day.

Is the facility located **east** of the boundary shown in *30 TAC § 222.83* **or** in any part of the state when the vegetative cover is any crop other than non-native grasses?

☐ Yes ☐ No

If **yes**, the facility must use the formula in *30 TAC §222.83* to calculate the maximum hydraulic application rate.

Do you plan to submit an alternative method to calculate the hydraulic application rate for approval by the executive director?

☐ Yes ☐ No

Hydraulic application rate, in gal/square foot/day: Click to enter text.

Nitrogen application rate, in lbs/gal/day: Click to enter text.

D. Dosing information

Number of doses per day: Click to enter text.

Dosing duration per area, in hours: Click to enter text.

Rest period between doses, in hours: Click to enter text.

Dosing amount per area, in inches/day: Click to enter text.

Number of zones: Click to enter text.

Does the proposed subsurface drip irrigation system use tree vegetative cover as a crop?

☐ Yes ☐ No

If **yes**, provide a vegetation survey by a certified arborist. Please call the Water Quality Assessment Team at (512) 239-4671 to schedule a pre-application meeting.

Attachment: Click to enter text.

Section 3. Required Plans (Instructions Page 75)

A. Recharge feature plan

Attach a Recharge Feature Plan with all information required in *30 TAC §222.79*.

Attachment: Click to enter text.

B. Soil evaluation

Attach a Soil Evaluation with all information required in *30 TAC §222.73*.

Attachment: Click to enter text.

C. Site preparation plan

Attach a Site Preparation Plan with all information required in *30 TAC §222.75*.

Attachment: Click to enter text.

D. Soil sampling/testing

Attach soil sampling and testing that includes all information required in *30 TAC §222.157*.

Attachment: Click to enter text.

Section 4. Floodway Designation (Instructions Page 76)

A. Site location

Is the existing/proposed land application site within a designated floodway?

☐ Yes ☐ No

B. Flood map

Attach either the FEMA flood map or alternate information used to determine the floodway.

Attachment: Click to enter text.

Section 5. Surface Waters in the State (Instructions Page 76)

A. Buffer Map

Attach a map showing appropriate buffers on surface waters in the state, water wells, and springs/seeps.

Attachment: Click to enter text.

B. Buffer variance request

Do you plan to request a buffer variance from water wells or waters in the state?

☐ Yes ☐ No

If yes, then attach the additional information required in *30 TAC § 222.81(c).*

Attachment: Click to enter text.

Section 6. Edwards Aquifer (Instructions Page 76)

A. Is the SADDS located over the Edwards Aquifer Recharge Zone as mapped by TCEQ?

☐ Yes ☐ No

B. Is the SADDS located over the Edwards Aquifer Transition Zone as mapped by TCEQ?

☐ Yes ☐ No

If yes to either question, then the SADDS may be prohibited by *30 TAC §213.8*. Please call the Municipal Permits Team at 512-239-4671 to schedule a pre-application meeting.

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: Most on 11/07/23 07:59 – CR6 collected 11/16/23 14:00 – Hg collected 11/7/23 09:05

Table 4.0(1) – Toxics Analysis

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acrylonitrile		<3.00	1	50
Aldrin		<0.00988	1	0.01
Aluminum		42.4	1	2.5
Anthracene		<1.98	1	10
Antimony		<0.800	1	5
Arsenic		1.47	1	0.5
Barium		164	1	3
Benzene		<1.00	1	10
Benzidine		<4.94	1	50
Benzo(a)anthracene		<1.98	1	5
Benzo(a)pyrene		<1.98	1	5
Bis(2-chloroethyl)ether		<1.98	1	10
Bis(2-ethylhexyl)phthalate		<1.98	1	10
Bromodichloromethane		14.3	1	10
Bromoform		<1.00	1	10
Cadmium		<0.300	1	1
Carbon Tetrachloride		<1.00	1	2
Carbaryl		<0.00988	1	5
Chlordane*		<0.0593	1	0.2
Chlorobenzene		<1.00	1	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Chlorodibromomethane		3.52	1	10
Chloroform		52.3	1	10
Chlorpyrifos		<0.00988	1	0.05
Chromium (Total)		<3.00	1	3
Chromium (Tri) **(*1)**		<2.00	1	N/A
Chromium (Hex)		<3.00	1	3
Copper		12.6	1	2
Chrysene		<1.98	1	5
p-Chloro-m-Cresol		<1.98	1	10
4,6-Dinitro-o-Cresol		<1.98	1	50
p-Cresol		<1.98	1	10
Cyanide **(*2)**		<0.0100	1	10
4,4'- DDD		<0.00988	1	0.1
4,4'- DDE		<0.00988	1	0.1
4,4'- DDT		<0.00988	1	0.02
2,4-D		<0.308	1	0.7
Demeton (O and S)		<0.00988	1	0.20
Diazinon		<0.00988	1	0.5/0.1
1,2-Dibromoethane		<1.00	1	10
m-Dichlorobenzene		<1.00	1	10
o-Dichlorobenzene		<1.00	1	10
p-Dichlorobenzene		<1.00	1	10
3,3'-Dichlorobenzidine		<1.98	1	5
1,2-Dichloroethane		<1.00	1	10
1,1-Dichloroethylene		<1.00	1	10
Dichloromethane		<1.00	1	20
1,2-Dichloropropane		<1.00	1	10
1,3-Dichloropropene		<1.00	1	10
Dicofol		<0.198	1	1
Dieldrin		<0.00988	1	0.02
2,4-Dimethylphenol		<1.98	1	10
Di-n-Butyl Phthalate		<3.95	1	10
Diuron		<0.282	1	0.09

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Endosulfan I (alpha)		<0.00988	1	0.01
Endosulfan II (beta)		<0.00988	1	0.02
Endosulfan Sulfate		<0.00988	1	0.1
Endrin		<0.00988	1	0.02
Ethylbenzene		<1.00	1	10
Fluoride		0.315	1	500
Guthion		<0.00988	1	0.1
Heptachlor		<0.00988	1	0.01
Heptachlor Epoxide		<0.00988	1	0.01
Hexachlorobenzene		<1.98	1	5
Hexachlorobutadiene		<1.98	1	10
Hexachlorocyclohexane (alpha)		<0.00988	1	0.05
Hexachlorocyclohexane (beta)		<0.00988	1	0.05
gamma-Hexachlorocyclohexane (Lindane)		<0.00988	1	0.05
Hexachlorocyclopentadiene		<1.98	1	10
Hexachloroethane		<1.98	1	20
Hexachlorophene		<9.42	1	10
Lead		<0.300	1	0.5
Malathion		<0.00988	1	0.1
Mercury		0.00900	1	0.005
Methoxychlor		<0.0198	1	2
Methyl Ethyl Ketone		<15.0	1	50
Mirex		<0.00988	1	0.02
Nickel		<1.00	1	2
Nitrate-Nitrogen		21.2	1	100
Nitrobenzene		<1.98	1	10
N-Nitrosodiethylamine		<1.98	1	20
N-Nitroso-di-n-Butylamine		<1.98	1	20
Nonylphenol		<69.2	1	333
Parathion (ethyl)		<0.00988	1	0.1
Pentachlorobenzene		<1.98	1	20
Pentachlorophenol		<1.98	1	5

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Phenanthrene		<1.98	1	10
Polychlorinated Biphenyls (PCB's) **(*3)**		<0.0988	1	0.2
Pyridine		<3.95	1	20
Selenium		<2.00	1	5
Silver		<0.500	1	0.5
1,2,4,5-Tetrachlorobenzene		<1.98	1	20
1,1,2,2-Tetrachloroethane		<1.00	1	10
Tetrachloroethylene		<2.00	1	10
Thallium		<0.500	1	0.5
Toluene		<2.00	1	10
Toxaphene		<2.96	1	0.3
2,4,5-TP (Silvex)		<0.173	1	0.3
Tributyltin (see instructions for explanation)		N/A	1	0.01
1,1,1-Trichloroethane		<1.00	1	10
1,1,2-Trichloroethane		<1.00	1	10
Trichloroethylene		<1.00	1	10
2,4,5-Trichlorophenol		<1.98	1	50
TTHM (Total Trihalomethanes)		70.1	1	10
Vinyl Chloride		<1.00	1	10
Zinc		45.0	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: Most on 11/07/23 07:59 – CR6 collected 11/16/23 14:00 – Hg collected 11/7/23 09:05

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		<0.800	1	5
Arsenic		1.47	1	0.5
Beryllium		<0.300	1	0.5
Cadmium		<0.300	1	1
Chromium (Total)		<3.00	1	3
Chromium (Hex)		<3.00	1	3
Chromium (Tri) **(*1)**		<2.00	1	N/A
Copper		12.6	1	2
Lead		<0.300	1	0.5
Mercury		0.00900	1	0.005
Nickel		<1.00	1	2
Selenium		<2.00	1	5
Silver		<0.500	1	0.5
Thallium		<0.500	1	0.5
Zinc		45.0	1	5
Cyanide **(*2)**		<0.0100	1	10
Phenols, Total		0.0400	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		<15.0	1	50
Acrylonitrile		<3.00	1	50
Benzene		<1.00	1	10
Bromoform		<1.00	1	10
Carbon Tetrachloride		<13.00	1	2
Chlorobenzene		<1.00	1	10
Chlorodibromomethane		3.52	1	10
Chloroethane		<2.00	1	50
2-Chloroethylvinyl Ether		<6.00	1	10
Chloroform		52.3	1	10
Dichlorobromomethane [Bromodichloromethane]		14.3	1	10
1,1-Dichloroethane		<1.00	1	10
1,2-Dichloroethane		<1.00	1	10
1,1-Dichloroethylene		<1.00	1	10
1,2-Dichloropropane		<1.00	1	10
1,3-Dichloropropylene [1,3-Dichloropropene]		<1.00	1	10
1,2-Trans-Dichloroethylene		<1.00	1	10
Ethylbenzene		<1.00	1	10
Methyl Bromide		<5.00	1	50
Methyl Chloride		<1.00	1	50
Methylene Chloride		<2.50	1	20
1,1,2,2-Tetrachloroethane		<1.00	1	10
Tetrachloroethylene		<2.00	1	10
Toluene		<2.00	1	10
1,1,1-Trichloroethane		<1.00	1	10
1,1,2-Trichloroethane		<1.00	1	10
Trichloroethylene		<1.00	1	10
Vinyl Chloride		<1.00	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		<1.98	1	10
2,4-Dichlorophenol		<1.98	1	10
2,4-Dimethylphenol		<1.98	1	10
4,6-Dinitro-o-Cresol		<1.98	1	50
2,4-Dinitrophenol		<1.98	1	50
2-Nitrophenol		<1.98	1	20
4-Nitrophenol		<1.98	1	50
P-Chloro-m-Cresol		<1.98	1	10
Pentalchlorophenol		<1.98	1	5
Phenol		<1.98	1	10
2,4,6-Trichlorophenol		<1.98	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		<1.98	1	10
Acenaphthylene		<1.98	1	10
Anthracene		<1.98	1	10
Benzidine		<4.94	1	50
Benzo(a)Anthracene		<1.98	1	5
Benzo(a)Pyrene		<1.98	1	5
3,4-Benzofluoranthene		<1.98	1	10
Benzo(ghi)Perylene		<1.98	1	20
Benzo(k)Fluoranthene		<1.98	1	5
Bis(2-Chloroethoxy)Methane		<1.98	1	10
Bis(2-Chloroethyl)Ether		<1.98	1	10
Bis(2-Chloroisopropyl)Ether		<1.98	1	10
Bis(2-Ethylhexyl)Phthalate		<1.98	1	10
4-Bromophenyl Phenyl Ether		<1.98	1	10
Butyl benzyl Phthalate		<3.95	1	10
2-Chloronaphthalene		<1.98	1	10
4-Chlorophenyl phenyl ether		<1.98	1	10
Chrysene		<1.98	1	5
Dibenzo(a,h)Anthracene		<1.98	1	5
1,2-(o)Dichlorobenzene		<1.00	1	10
1,3-(m)Dichlorobenzene		<1.00	1	10
1,4-(p)Dichlorobenzene		<1.00	1	10
3,3-Dichlorobenzidine		<1.98	1	5
Diethyl Phthalate		<3.95	1	10
Dimethyl Phthalate		<3.95	1	10
Di-n-Butyl Phthalate		<3.95	1	10
2,4-Dinitrotoluene		<1.98	1	10
2,6-Dinitrotoluene		<1.98	1	10
Di-n-Octyl Phthalate		<3.95	1	10
1,2-Diphenylhydrazine (as Azo-benzene)		<1.98	1	20
Fluoranthene		<1.98	1	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Fluorene		<1.98	1	10
Hexachlorobenzene		<1.98	1	5
Hexachlorobutadiene		<1.98	1	10
Hexachlorocyclo-pentadiene		<1.98	1	10
Hexachloroethane		<1.98	1	20
Indeno(1,2,3-cd)pyrene		<1.98	1	5
Isophorone		<1.98	1	10
Naphthalene		<1.98	1	10
Nitrobenzene		<1.98	1	10
N-Nitrosodimethylamine		<1.98	1	50
N-Nitrosodi-n-Propylamine		<1.98	1	20
N-Nitrosodiphenylamine		<1.98	1	20
Phenanthrene		<1.98	1	10
Pyrene		<1.98	1	10
1,2,4-Trichlorobenzene		<1.98	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		<0.00988	1	0.01
alpha-BHC (Hexachlorocyclohexane)		<0.00988	1	0.05
beta-BHC (Hexachlorocyclohexane)		<0.00988	1	0.05
gamma-BHC (Hexachlorocyclohexane)		<0.00988	1	0.05
delta-BHC (Hexachlorocyclohexane)		<0.00988	1	0.05
Chlordane		<0.0593	1	0.2
4,4-DDT		<0.00988	1	0.02
4,4-DDE		<0.00988	1	0.1
4,4,-DDD		<0.00988	1	0.1
Dieldrin		<0.00988	1	0.02
Endosulfan I (alpha)		<0.00988	1	0.01
Endosulfan II (beta)		<0.00988	1	0.02
Endosulfan Sulfate		<0.00988	1	0.1
Endrin		<0.00988	1	0.02
Endrin Aldehyde		<0.00988	1	0.1
Heptachlor		<0.00988	1	0.01
Heptachlor Epoxide		<0.00988	1	0.01
PCB-1242		<0.0988	1	0.2
PCB-1254		<0.0988	1	0.2
PCB-1221		<0.0988	1	0.2
PCB-1232		<0.0988	1	0.2
PCB-1248		<0.0988	1	0.2
PCB-1260		<0.0988	1	0.2
PCB-1016		<0.0988	1	0.2
Toxaphene		<0.296	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.

Click to enter text.

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.

Click to enter text.

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 5.0: TOXICITY TESTING REQUIREMENTS

The following **is required** for facilities with a current operating design flow of**1.0 MGD or greater**, with an EPA-approved **pretreatment** program (or those required to have one under 40 CFR Part 403), or are required to perform Whole Effluent Toxicity testing. See instructions for further details.

This worksheet is not required minor amendments without renewal.

Section 1. Required Tests (Instructions Page 88)

Indicate the number of 7-day chronic or 48-hour acute Whole Effluent Toxicity (WET) tests performed in the four and one-half years prior to submission of the application.

7-day Chronic: 0

48-hour Acute: 19

Section 2. Toxicity Reduction Evaluations (TREs)

Has this facility completed a TRE in the past four and a half years? Or is the facility currently performing a TRE?

☐ Yes ☒ No

If yes, describe the progress to date, if applicable, in identifying and confirming the toxicant.

Click to enter text.

Section 3. Summary of WET Tests

If the required biomonitoring test information has not been previously submitted via both the Discharge Monitoring Reports (DMRs) and the Table 1 (as found in the permit), provide a summary of the testing results for all valid and invalid tests performed over the past four and one-half years. Make additional copies of this table as needed.

Table 5.0(1) Summary of WET Tests

Test Date	Test Species	NOEC Survival	NOEC Sub-lethal
Submitted via DMR and Table 1			

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.

Click to enter text.

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.

Click to enter text.

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.

E. Service Area Map

Attach a map indicating the service area of the POTW. The map should include the applicant's service area boundaries and the location of any known industrial users discharging to the POTW. Please see the instructions for guidance.

Attachment: N/A

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
N/A				

D. Industrial user interruptions

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

☐ Yes ☒ No

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

Click to enter text.

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

A. General information

Company Name: Click to enter text.

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).

Click to enter text.

C. Product and service information

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

Click to enter text.

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.

WORKSHEET 7.0

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

CLASS V INJECTION WELL INVENTORY/AUTHORIZATION FORM

Submit the completed form to:

TCEQ
IUC Permits Team
Radioactive Materials Division
MC-233
PO Box 13087
Austin, Texas 78711-3087
512-239-6466

For TCEQ Use Only
Reg. No._____
Date Received_____
Date Authorized_____

Section 1. General Information (Instructions Page 92)

1. TCEQ Program Area

Program Area (PST, VCP, IHW, etc.): Click to enter text.

Program ID: Click to enter text.

Contact Name: Click to enter text.

Phone Number: Click to enter text.

2. Agent/Consultant Contact Information

Contact Name: Click to enter text.

Address: Click to enter text.

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

Phone Number: Click to enter text.

3. Owner/Operator Contact Information

☐ Owner ☐ Operator

Owner/Operator Name: Click to enter text.

Contact Name: Click to enter text.

Address: Click to enter text.

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

Phone Number: Click to enter text.

4. Facility Contact Information

Facility Name: Click to enter text.

Address: Click to enter text.

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

Location description (if no address is available): Click to enter text.

Facility Contact Person: Click to enter text.

Phone Number: Click to enter text.

5. **Latitude and Longitude, in degrees-minutes-seconds**

Latitude: Click to enter text.

Longitude: Click to enter text.

Method of determination (GPS, TOPO, etc.): Click to enter text.

Attach topographic quadrangle map as attachment A.

6. **Well Information**

Type of Well Construction, select one:

- ☐ Vertical Injection
- ☐ Subsurface Fluid Distribution System
- ☐ Infiltration Gallery
- ☐ Temporary Injection Points
- ☐ Other, Specify: Click to enter text.

Number of Injection Wells: Click to enter text.

7. **Purpose**

Detailed Description regarding purpose of Injection System:

Click to enter text.

Attach a Site Map as Attachment B (Attach the Approved Remediation Plan, if appropriate.)

8. **Water Well Driller/Installer**

Water Well Driller/Installer Name: Click to enter text.

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

Phone Number: Click to enter text.

License Number: Click to enter text.

Section 2. Proposed Down Hole Design

Attach a diagram signed and sealed by a licensed engineer as Attachment C.

Table 7.0(1) – Down Hole Design Table

Name of String	Size	Setting Depth	Sacks Cement/Grout – Slurry Volume – Top of Cement	Hole Size	Weight (lbs/ft) PVC/Steel
Casing					
Tubing					
Screen					

Section 3. Proposed Trench System, Subsurface Fluid Distribution System, or Infiltration Gallery

Attach a diagram signed and sealed by a licensed engineer as Attachment D.

System(s) Dimensions: Click to enter text.

System(s) Construction: Click to enter text.

Section 4. Site Hydrogeological and Injection Zone Data

1. Name of Contaminated Aquifer: Click to enter text.

2. Receiving Formation Name of Injection Zone: Click to enter text.

3. Well/Trench Total Depth: Click to enter text.

4. Surface Elevation: Click to enter text.

5. Depth to Ground Water: Click to enter text.

6. Injection Zone Depth: Click to enter text.

7. Injection Zone vertically isolated geologically? ☐ Yes ☐ No

Impervious Strata between Injection Zone and nearest Underground Source of Drinking Water:

Name: Click to enter text.

Thickness: Click to enter text.

8. Provide a list of contaminants and the levels (ppm) in contaminated aquifer

Attach as Attachment E.

9. Horizontal and Vertical extent of contamination and injection plume

Attach as Attachment F.

10. Formation (Injection Zone) Water Chemistry (Background levels) TDS, etc.

Attach as Attachment G.

11. Injection Fluid Chemistry in PPM at point of injection

Attach as Attachment H.

12. Lowest Known Depth of Ground Water with < 10,000 PPM TDS: Click to enter text.

13. Maximum injection Rate/Volume/Pressure: Click to enter text.

14. Water wells within 1/4 mile radius (attach map as Attachment I): Click to enter text.

15. Injection wells within 1/4 mile radius (attach map as Attachment J): Click to enter text.

16. Monitor wells within 1/4 mile radius (attach drillers logs and map as Attachment K): Click to enter text.

17. Sampling frequency: Click to enter text.

18. Known hazardous components in injection fluid: Click to enter text.

Section 5. Site History

1. Type of Facility: Click to enter text.
2. Contamination Dates: Click to enter text.
3. Original Contamination (VOCs, TPH, BTEX, etc.) and Concentrations (attach as Attachment L): Click to enter text.
4. Previous Remediation (attach results of any previous remediation as attachment M): Click to enter text.

NOTE: Authorization Form should be completed in detail and authorization given by the TCEQ before construction, operation, and/or conversion can begin. Attach additional pages as necessary.

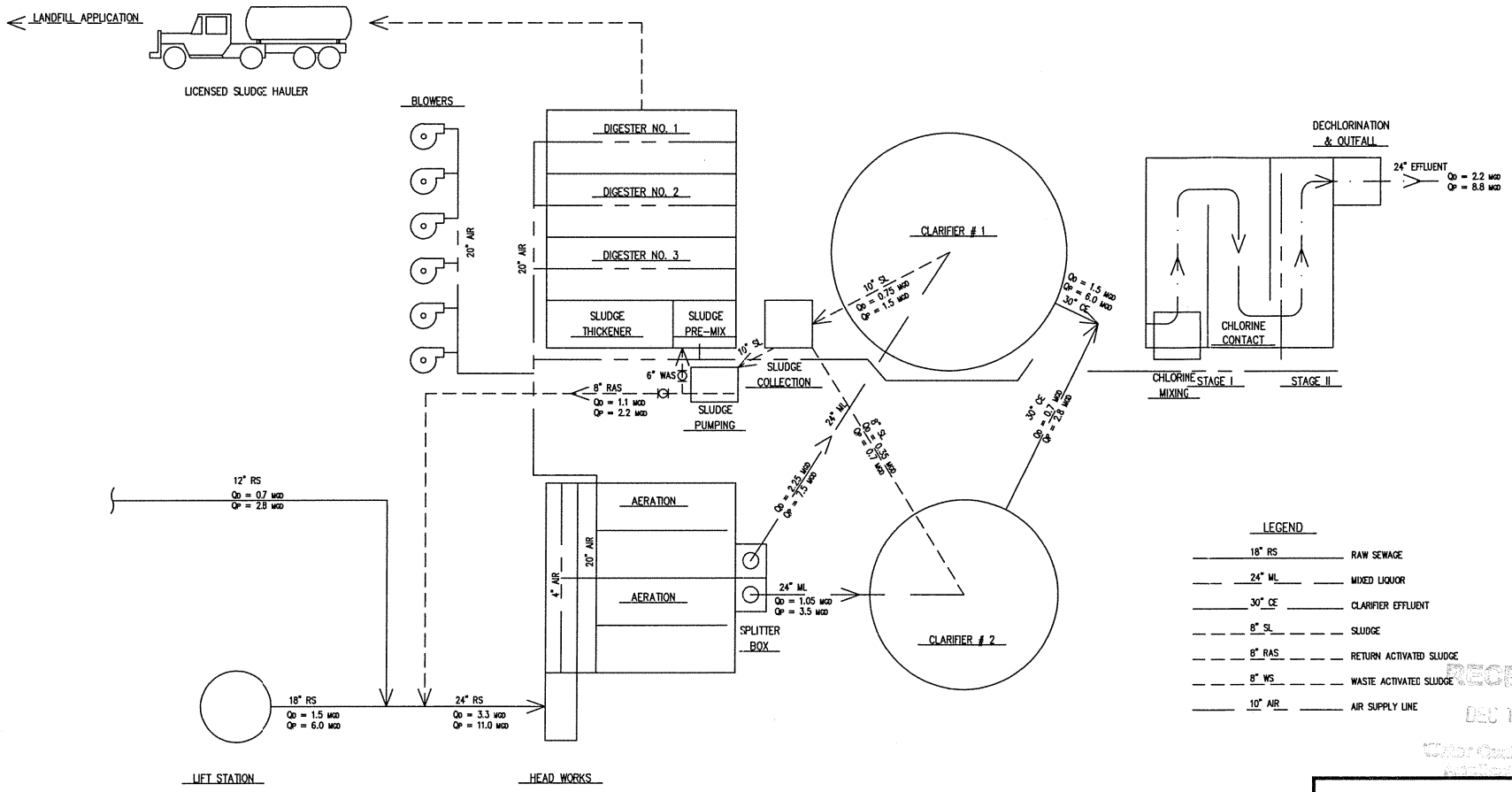
Class V Injection Well Designations

5A07 Heat Pump/AC return (IW used for groundwater to heat and/or cool buildings)
5A19 Industrial Cooling Water Return Flow (IW used to cool industrial process equipment)
5B22 Salt Water Intrusion Barrier (IW used to inject fluids to prevent the intrusion of salt water into an aquifer)
5D02 Storm Water Drainage (IW designed for the disposal of rain water)
5D04 Industrial Stormwater Drainage Wells (IW designed for the disposal of rain water associated with industrial facilities)
5F01 Agricultural Drainage (IW that receive agricultural runoff)
5R21 Aquifer Recharge (IW used to inject fluids to recharge an aquifer)
5S23 Subsidence Control Wells (IW used to control land subsidence caused by ground water withdrawal)
5W09 Untreated Sewage
5W10 Large Capacity Cesspools (Cesspools that are designed for 5,000 gpd or greater)
5W11 Large Capacity Septic systems (Septic systems designed for 5,000 gpd or greater)
5W12 WTTP disposal
5W20 Industrial Process Waste Disposal Wells
5W31 Septic System (Well Disposal method)
5W32 Septic System Drainfield Disposal
5X13 Mine Backfill (IW used to control subsidence, dispose of mining byproducts, and/or fill sections of a mine)
5X25 Experimental Wells (Pilot Test) (IW used to test new technologies or tracer dye studies)
5X26 Aquifer Remediation (IW used to clean up, treat, or prevent contamination of a USDW)
5X27 Other Wells
5X28 Motor Vehicle Waste Disposal Wells (IW used to dispose of waste from a motor vehicle site - These are currently banned)
5X29 Abandoned Drinking Water Wells (waste disposal)

Attachment 6 – Flow Diagram

City of Sugar Land, New Territory North Regional Wastewater Treatment Facility

Permit: WQ0013628001



FORT BEND COUNTY MUD 112

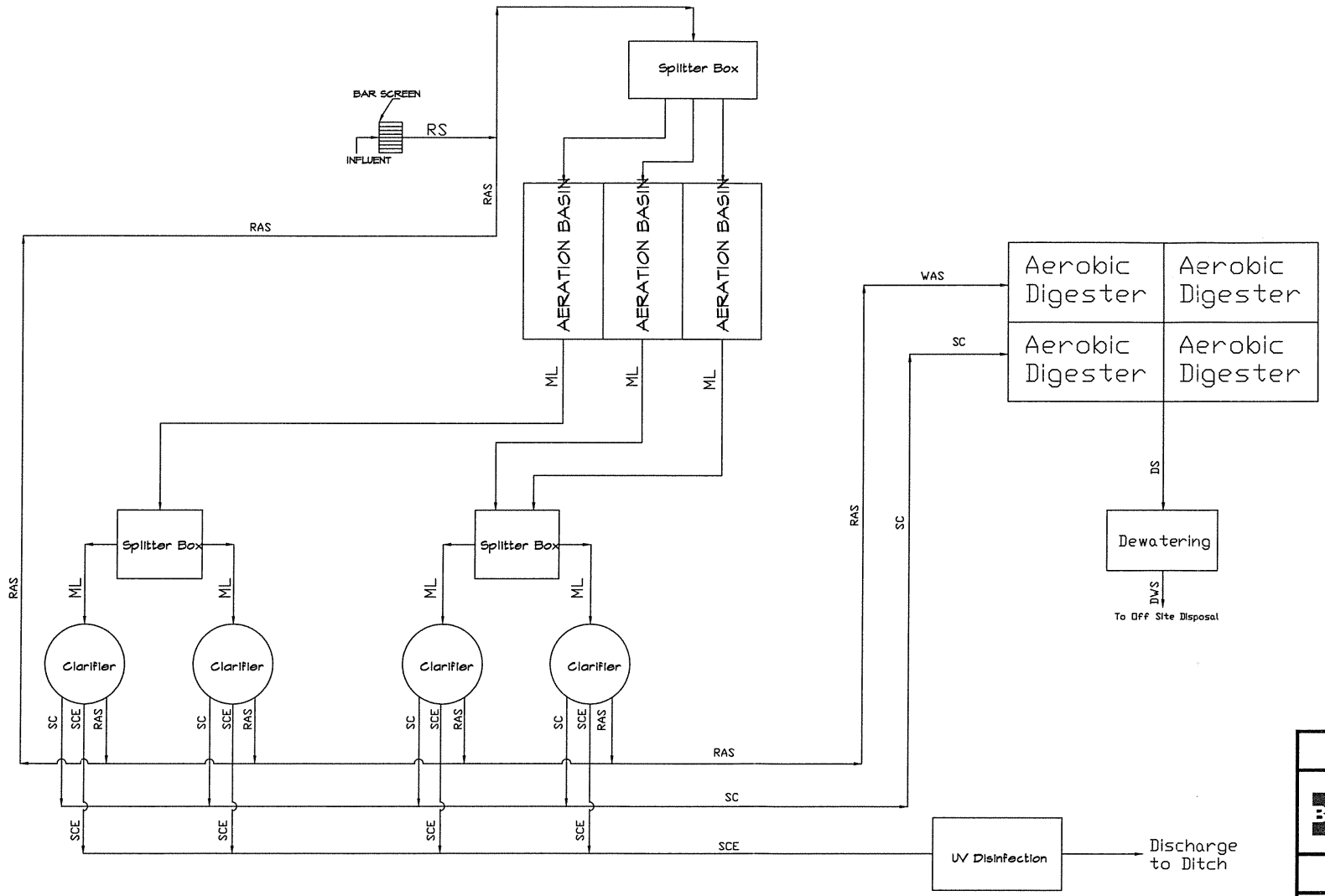
Brown & Gay Engineers, Inc.
10777 Westheimer, Suite 400, Houston, TX 77042
Tel: 281-558-8700 •
www.browngay.com

TPDES PERMIT RENEWAL APPLICATION

FLOW DIAGRAM - 2.5 MGD

CORRESPONDS TO DOMESTIC
TECHINCAL REPORT 1.0, ITEM 3c, PAGE 3

DATE:	PROJECT #:	EXHIBIT:
DEC. 2015	3715-00	2A



FORT BEND COUNTY MUD 112

Brown & Gay Engineers, Inc.
10777 Westheimer, Suite 400, Houston, TX 77042
Tel: 281-558-8700 ●
www.browngay.com

TPDES PERMIT RENEWAL APPLICATION

FLOW DIAGRAM - 6.0 MGD

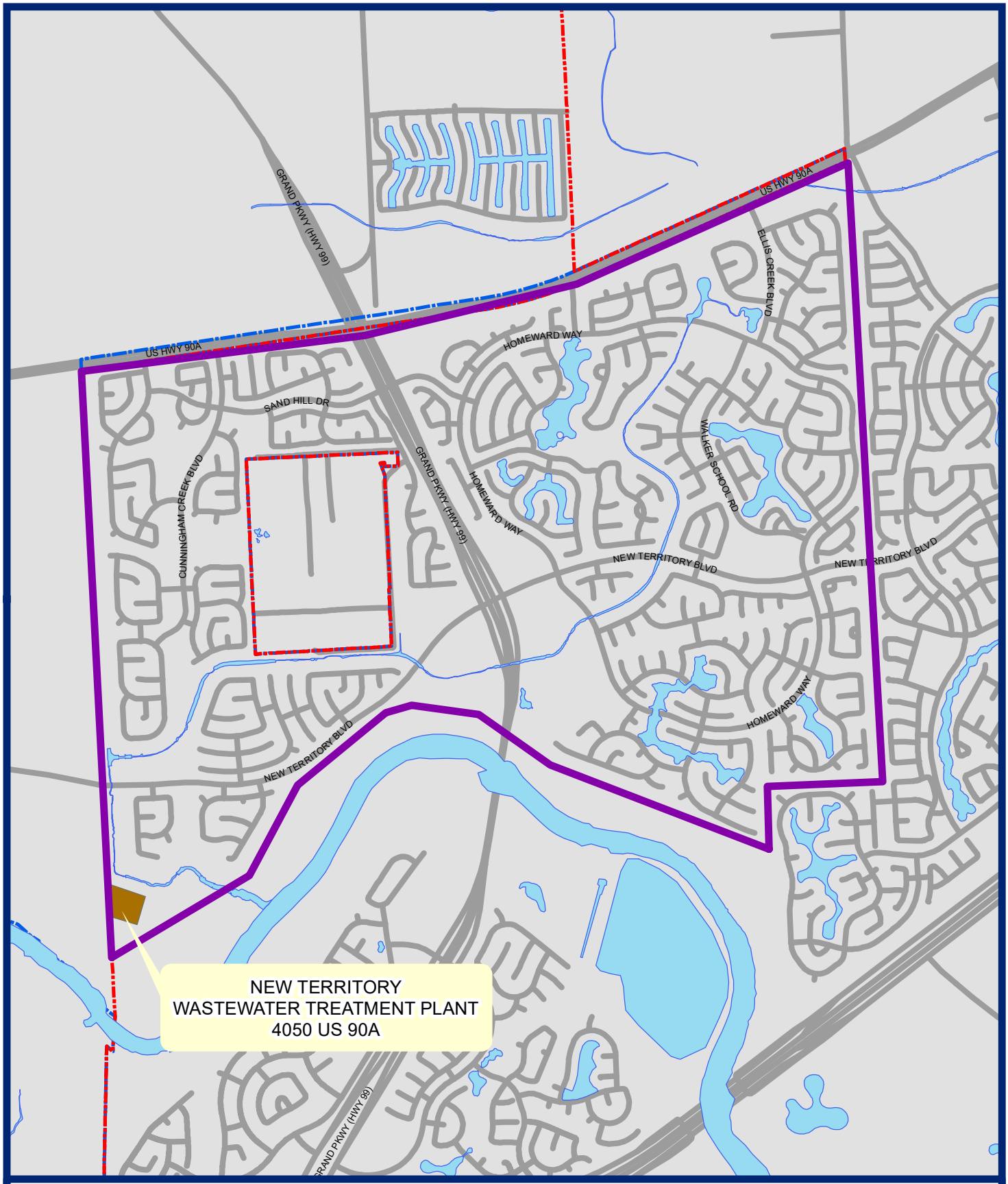
CORRESPONDS TO DOMESTIC
TECHINCAL REPORT 1.0, ITEM 3c, PAGE 3

DATE:	PROJECT #:	EXHIBIT:
DEC. 2015	3715-00	2B

Attachment 7 – Service Map

City of Sugar Land, New Territory North Regional Wastewater Treatment Facility

Permit: WQ0013628001



CITY OF SUGAR LAND
NEW TERRITORY WASTEWATER TREATMENT PLANT

- SERVICE AREA
- LAKES, RIVERS & STREAMS
- CITY LIMITS
- ETJ
- CONDITIONAL RELEASE

SEPTEMBER 2018

0 260 520 1,040 1,560 2,080 Feet

GIS
CITY OF SUGAR LAND
GEOGRAPHIC INFORMATION SYSTEM

Attachment 8 – Lab Report

City of Sugar Land, New Territory North Regional Wastewater Treatment Facility

Permit: WQ0013628001

December 01, 2023

Randy Lock
Brazos River Authority
Waco
Georgetown, Texas 76710
TEL: (254) 493-7177
FAX:

Order No.: 2311075

RE: Sugarland New Territory

Dear Randy Lock:

DHL Analytical, Inc. received 3 sample(s) on 11/8/2023 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative and all estimated uncertainties of results are within method specifications.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

John DuPont
General Manager

This report was performed under the accreditation of the State of Texas Laboratory Certification Number: T104704211-23-29

Table of Contents

Miscellaneous Documents **3**

CaseNarrative 2311075 ..... **10**

WorkOrderSampleSummary 2311075 ..... **11**

PrepDatesReport 2311075 ..... **12**

AnalyticalDatesReport 2311075 ..... **13**

Analytical Report 2311075 ..... **14**

AnalyticalQCSummaryReport 2311075 ..... **22**

Subcontract Report 2311075 ..... **56**

DHL ANALYTICAL

2300 Double Creek Dr. Round Rock, TX 78664
Phone 512.388.8222
Web: **www.dhlanalytical.com**
Email: **login@dhlanalytical.com**

CHAIN-OF-CUSTODY

CLIENT: Brazos River Authority
ADDRESS:
PHONE: EMAIL:
DATA REPORTED TO: Randy Locke
ADDITIONAL REPORT COPIES TO: Donnie Powers

DATE:
PO#:

LAB USE ONLY
DHL WORKORDER #: 231075

PROJECT LOCATION OR NAME: Sugarland New Territory
CLIENT PROJECT #
COLLECTOR: Christopher Williams

Authorize 5% surcharge for TRRP report? ☐ Yes ☐ No

W=WATER L=LIQUID S=SOLID SO=SOLID SE=SEDIMENT P=PAINT SL=SLUDGE

Field Sample I.D.	Lab Use Only: DHL Lab #	Collection Date	Collection Time	Matrix	Container Type	# of Containers	PRESERVATION: HCl ☐	H_3PO_4 ☐	HNO_3	H_2SO_4	NaOH ☐	Zn Acetate ☐	ICE ☐	UNPRESERVED ☐	ANALYSES	FIELD NOTES
624 VOC	01	11-7-23	0759	W	Glass	3									VOC 8260 ☐ VOC 624.1 ☑	
625 VOC		11-7-23	0759	W	Glass	2									SVOC 8270 ☐ SVOC 625.1 ☑	
Metals		11-7-23	0759	W	Plastic	1			X						METALS 6020 ☐ 200.8 ☐ DISS. METALS ☐	
WetChem		11-7-23	0759	W	Plastic	1									ANIONS 300 ☑ 9056 ☐	
PCB/Pesticide		11-7-23	0759	W	Glass	2									PEST 8270 ☑ 625.1 ☐ O-P PEST 8270 ☐ / PCB 8082 ☑ 608.3 ☐ PCB 8270 ☐ 625.1 ☐	
Herbicide		11-7-23	0759	W	Glass	2									HERB 8321 ☑ T PHOS ☐ AMMONIA ☑	
632		11-7-23	0759	W	Glass	2									TDS ☐ TSS ☑ % MOIST ☐ CYANIDE ☑ / 632	
Cyanide		11-7-23	0759	W	Plastic	1					X					
Ammonia/Total Phosphate		11-7-23	0759	W	Plastic	1				X						
CBOD		11-7-23	0759	W	Plastic	1									CBOD	
TSS		11-7-23	0759	W	Plastic	1										
Phenols		11-7-23	0759	W	Plastic	1				X					Phenol	
Cr-6		11-7-23	0759	W	Plastic	1										
TKN		11-7-23	0759	W	Plastic	1				X						
Oil and Grease	↓	11-7-23	0759	W	Glass	1				X					RCI ☐ IGN ☐ DGAS ☐ OIL&GREASE ☑	

Relinquished By: (Sign) Christopher Williams — DATE/TIME 11-7-23 — Received by: Fedex To North
Relinquished By: (Sign) Fedex — DATE/TIME 11/8/23 0843 — Received by:
Relinquished By: (Sign) — DATE/TIME — Received by:

TURN AROUND TIME (CALL FIRST FOR RUSH)
RUSH-1 DAY☐ RUSH-2 DAY☐ RUSH-3 DAY☐
NORMAL ☐ OTHER ☐
DUE DATE _____ ☐

LAB USE ONLY
RECEIVING TEMP (°C): 2.9°C THERMO #: 78
IF >6°C, ARE SAMPLES ON ICE AND JUST COLLECTED? YES / NO
CUSTODY SEALS ON ICE CHEST: ☐ BROKEN ☐ INTACT ☑ NOT USED
CARRIER: ☐ LSO ☑ FEDEX ☐ UPS ☐ COURIER ☐ HAND DELIVERED

☐ **DHL DISPOSAL @ $10.00 each**

DHL ANALYTICAL
2300 Double Creek Dr. Round Rock, TX 78664
Phone 512.388.8222
Web: **www.dhlanalytical.com**
Email: **login@dhlanalytical.com**

CHAIN-OF-CUSTODY

CLIENT: Brazos River Authority
ADDRESS:
PHONE: EMAIL:
DATA REPORTED TO: Randy Locke
ADDITIONAL REPORT COPIES TO: Donnie Powers

DATE: 11-7-23
PO#:

LAB USE ONLY
DHL WORKORDER #: 2311075

PROJECT LOCATION OR NAME: Sugarland New Territory
CLIENT PROJECT #
COLLECTOR: Christopher Williams

Authorize 5% surcharge for TRRP report? ☐ Yes ☐ No

Lab Use Only

W=WATER L=LIQUID S=SOIL SO=SOLID SE=SEDIMENT P=PAINT SL=SLUDGE

Field Sample I.D.	DHL Lab #	Collection Date	Collection Time	Matrix	Container Type	# of Containers	PRESERVATION: HCL ☐	H_3PO_4 ☐	HNO_3	H_2SO_4	NaOH ☐	Zn Acetate ☐	ICE ☐	UNPRESERVED ☐	ANALYSES	FIELD NOTES
Low Level HG	02	11-7-23	0905	WI	Glass		X								Low Level HG	

ANALYSES: BTEX ☐ MTBE ☐ [METHOD 8260] | TPH 1005 ☐ TPH 1006 ☐ HOLD 1006 ☐ | GRO 8015 ☐ DRO 8015 ☐ | VOC 8260 ☐ VOC 624.1 ☐ | SVOC 8270 ☐ SVOC 625.1 ☐ | PAH 8270 ☐ HOLD PAH ☐ | PEST 8270 ☐ 625.1 ☐ O-P PEST 8270 ☐ | PCB 8082 ☐ 608.3 ☐ PCB 8270 ☐ 625.1 ☐ | HERB 8321 ☐ T PHOS ☐ AMMONIA ☐ | METALS 6020 ☐ 200.8 ☐ DISS. METALS ☐ | RCRA 8 ☐ TX11 ☐ _____ | pH☐ HEX CHROM☐ ALKALINITY☐ COD☐ | ANIONS 300 ☐ 9056 ☐ _____ | TCLP-SVOC ☐ VOC ☐ PEST ☐ HERB ☐ | TCLP-METALS ☐ RCRA 8 ☐ TX-11 ☐ Pb ☐ | RCI ☐ IGN ☐ DGAS ☐ OIL&GREASE ☐ | TDS ☐ TSS ☐ % MOIST ☐ CYANIDE ☐

Relinquished By: (Sign) Christopher Williams — DATE/TIME 11-7-23 — Received by: Fedex To North

Relinquished By: (Sign) Fedex — DATE/TIME 11/8/23 0843 — Received by:

Relinquished By: (Sign) — DATE/TIME — Received by:

TURN AROUND TIME (CALL FIRST FOR RUSH)
RUSH-1 DAY☐ RUSH-2 DAY☐ RUSH-3 DAY☐
NORMAL ☐ OTHER ☐
DUE DATE _____ ☐

LAB USE ONLY **THERMO #:** 78
RECEIVING TEMP (°C): 2.9°C
IF >6°C, ARE SAMPLES ON ICE AND JUST COLLECTED? YES / NO
CUSTODY SEALS ON ICE CHEST: ☐ BROKEN ☐ INTACT ☑ NOT USED
CARRIER: ☐ LSO ☑ FEDEX ☐ UPS ☐ COURIER ☐ HAND DELIVERED

☐ **DHL DISPOSAL @ $10.00 each**

DHL ANALYTICAL
2300 Double Creek Dr. Round Rock, TX 78664
Phone 512.388.8222
Web: www.dhlanalytical.com
Email: login@dhlanalytical.com

CHAIN-OF-CUSTODY

CLIENT: Brazos River Authority
ADDRESS: 4600 Cobbs Drive Waco, Texas 76710
PHONE: (254) 493-7177 EMAIL: randy.lock@brazos.org
DATA REPORTED TO: Randy Lock
ADD'L REPORT COPIES TO: D. Powers

DATE:
PO#:
LAB USE ONLY 2311075
DHL WORKORDER # ~~2311189~~ @ 11/20/23
PROJECT LOCATION OR NAME: Sugar Land New Territory
CLIENT PROJECT #:
COLLECTOR:

Authorize 5% surcharge for TRRP report? ☐ Yes ☐ No

PRESERVATIVES
#/L
 # = Number Bottles
L = Preserve Code
N = HNO3 S = H2SO4 H = HCL O = NaOH
Z = NaOH-ZN P = H3PO4 X = None/Ice

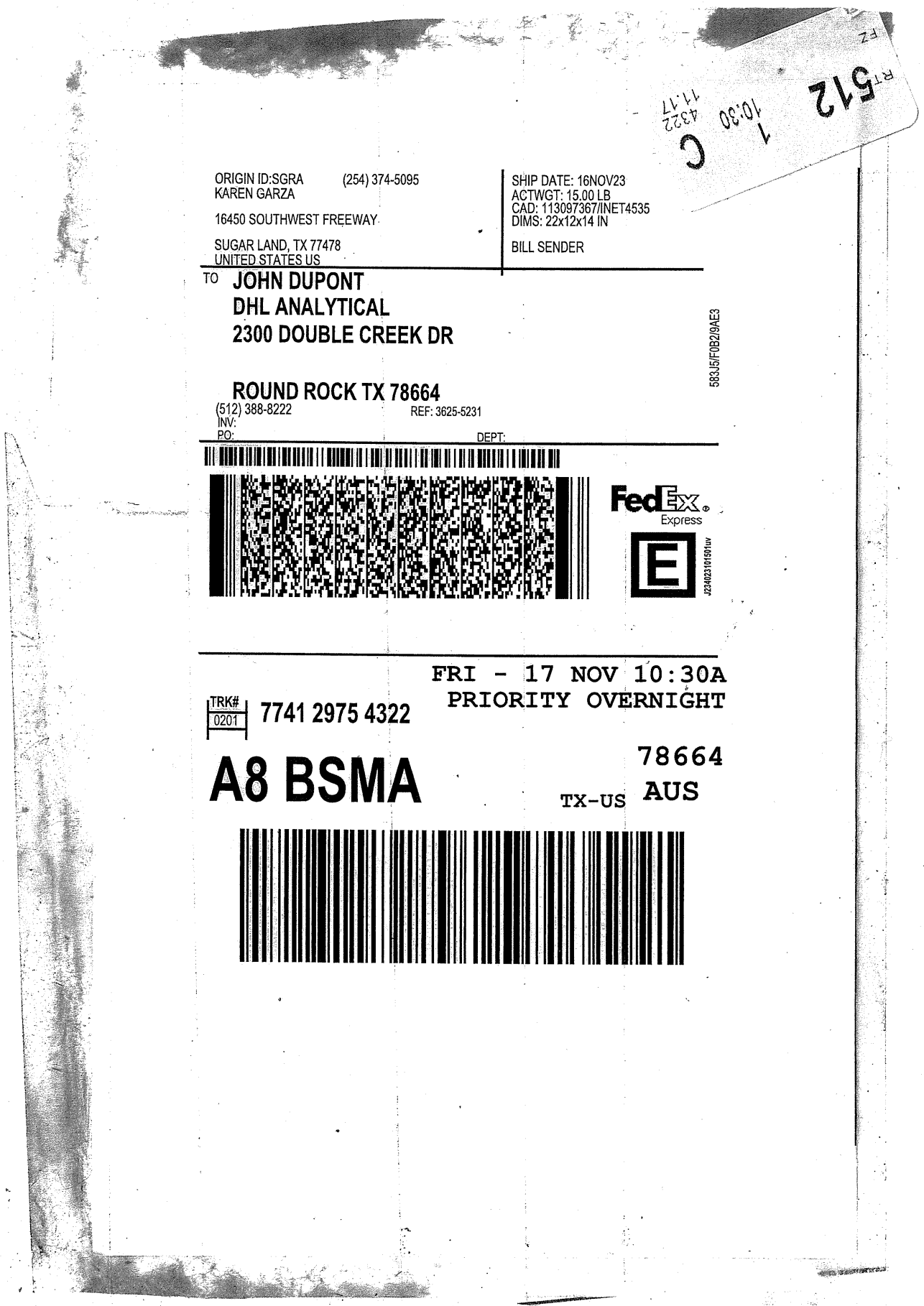
Field Sample I.D.	Lab Use Only DHL Lab #	Collection Date	Collection Time	Matrix	# of Containers	CR6_W	FIELD NOTES
Permit Outfall 03	~~01~~ @ 11/20/23	11/16/23	14:00	AQUEOUS	1	1/X	

Relinquished By: (Sign) Nick Graca — DATE/TIME 11/16/23 14:02 — Received By: TO FEDEX
Relinquished By: (Sign) Jcelly — DATE/TIME 11/17/23 0846 — Received By:
Relinquished By: (Sign) — DATE/TIME — Received By:

TURN AROUND TIME (CALL FIRST FOR RUSH)
RUSH-1 DAY ☐ RUSH-2 DAY ☐
RUSH-3 DAY ☐
NORMAL ☐ OTHER ☐
DUE DATE _____ ☐

LAB USE ONLY
RECEIVING TEMP (°C) 3.0°C THERMO #: 78
IF >6°C, ARE SAMPLES ON ICE AND JUST COLLECTED? YES/NO
CUSTODY SEALS ON ICE CHEST: ☐ BROKEN ☐ INTACT ☑ ~~NOT~~ USED
CARRIER:
☐ LSO ☑ FEDEX ☐ UPS ☐ COURIER ☐ HAND DELIVERED

☐ DHL DISPOSAL @ $10.00 each



ORIGIN ID:SGRA (254) 374-5095
KAREN GARZA

16450 SOUTHWEST FREEWAY

SUGAR LAND, TX 77478
UNITED STATES US

SHIP DATE: 16NOV23
ACTWGT: 15.00 LB
CAD: 113097367/INET4535
DIMS: 22x12x14 IN

BILL SENDER

TO JOHN DUPONT
DHL ANALYTICAL
2300 DOUBLE CREEK DR

ROUND ROCK TX 78664
(512) 388-8222 REF: 3625-5231
INV:
PO: DEPT:

583J5/F0B2/9AE3

FedEx Express

J23402310/1501uv

FRI - 17 NOV 10:30A
PRIORITY OVERNIGHT

TRK# 0201 7741 2975 4322

78664

A8 BSMA

TX-US AUS

ORIGIN ID:SGRA (254) 374-5095
KAREN GARZA
BRAZOS
16450 SOUTHWEST FREEWAY

SUGAR LAND, TX 77478
UNITED STATES US

SHIP DATE: 07NOV23
ACTWGT: 50.00 LB
CAD: 113097367/INET4535
DIMS: 25x15x15 IN

BILL SENDER

TO **JOHN DUPONT**
DHL ANALYTICAL
2300 DOUBLE CREEK DR

ROUND ROCK TX 78664
(512) 388-8222 REF:
INV:
PO: DEPT: 3625-5231

583J5/F0B2/9AE3

FedEx Express

J234023101591uv

3 of 3

MPS# 0263 **7740 0929 5530**
Mstr# **7740 0929 5519**

A8 BSMA

WED - 08 NOV 5:00P
STANDARD OVERNIGHT

0201

78664
TX-US AUS

DHL Analytical, Inc.

Sample Receipt Checklist

Client Name: **Brazos River Authority** Date Received: **11/8/2023**

Work Order Number: **2311075** Received by: **KAO**

Checklist completed by: _____ 11/8/2023 Reviewed by: _____ 11/8/2023
Signature | Date | Initials | Date

Carrier name: FedEx 1day

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	Not Present ☐
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☐	No ☑	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐ NA ☐
Water - pH<2 acceptable upon receipt?	Yes ☑	No ☐	NA ☐ LOT # 13171
	Adjusted? No		Checked by EL
Water - ph>9 (S) or ph>10 (CN) acceptable upon receipt?	Yes ☑	No ☐	NA ☐ LOT # 12798
	Adjusted? No		Checked by EL
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	

Cooler # 1

Temp °C 2.9

Seal Intact NP

Any No response must be detailed in the comments section below.

Client contacted: B.R.A. Date contacted: 11/9/23 Person contacted: Randy Lock

Contacted by: John DuPont Regarding: Hold Time

Comments: Samples received out of hold time for Cr6 analysis.

Corrective Action: Cr6 will be resampled, proceed with other analyses.

DHL Analytical, Inc.

Cr6 Resample

Sample Receipt Checklist

Client Name: **Brazos River Authority**

Date Received: **11/8/2023**

Work Order Number: **2311075**

Received by: **KAO**

Checklist completed by: _____ 11/20/2023 (Signature / Date)

Reviewed by: SH 11/20/2023 (Initials / Date)

Carrier name: FedEx 1day

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	Not Present ☐
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑ NA ☐
Water - pH<2 acceptable upon receipt?	Yes ☐	No ☐	NA ☑ LOT #
	Adjusted?		Checked by
Water - ph>9 (S) or ph>10 (CN) acceptable upon receipt?	Yes ☐	No ☐	NA ☑ LOT #
	Adjusted?		Checked by
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	

Cooler # 1

Temp °C 3.0

Seal Intact NP

Any No response must be detailed in the comments section below.

Client contacted: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action: _____

DHL Analytical, Inc. **Date:** *01-Dec-23*

CLIENT: Brazos River Authority
Project: Sugarland New Territory
Lab Order: 2311075

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

E632, E200.8, E1664A, E625.1, D5812-96, D7065-17, E624.1, E300 and Standard Methods.

Sample Permit Outfall originally arrived at DHL Analytical on 11/8/23 outside of HoldTime for the Hexavalent Chromium analysis. The analysis was cancelled by the client, re-sampled and arrived at DHL Analytical within HoldTime on 11/17/23. Proceeded with analysis.

For Oil & Grease analysis an MS was not performed due to insufficient sample volume. An LCS/LCSD was performed instead.

For Pesticide analysis an MS/MSD was not performed due to insufficient sample volume. An LCS/LCSD was performed instead.

For PCB analysis an MS/MSD was not performed due to insufficient sample volume. The QC includes the method blank and LCS.

All method blanks, sample duplicates, laboratory spikes, and/or matrix spikes met quality assurance objectives except where noted in the following. For Oil & Grease analysis by method E1664A Oil & Grease was detected below the reporting limit in the method blank (MB-112891). Sample Permit Outfall was below detection limits for this analyte. No further corrective actions were taken.

For Pesticide analysis by method E625.1 the LCS and LCSD had the RPD above control limits for Endrin aldehyde. This is flagged accordingly in the enclosed QC summary report. The "R" flag denotes the RPD was outside control limits. The percent recoveries were within control limits for this compound. No further corrective actions were taken.

The Herbicide analysis was sub-contracted to SPL.

The TKN and Total Phenols analyses were sub-contracted to ALS.

The C-BOD analysis was sub-contracted to Aqua-Tech Laboratories.

The Mercury analysis was sub-contracted to Pollution Control Services.

DHL Analytical, Inc.

Date: *01-Dec-23*

CLIENT: Brazos River Authority
Project: Sugarland New Territory
Lab Order: 2311075

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
2311075-01	Permit Outfall		11/07/23 07:59 AM	11/08/2023
2311075-02	Permit Outfall Hg		11/07/23 09:05 AM	11/08/2023
2311075-03	Permit Outfall		11/16/23 02:00 PM	11/17/2023

Lab Order: 2311075
Client: Brazos River Authority
Project: Sugarland New Territory

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
2311075-01A	Permit Outfall	11/07/23 07:59 AM	Aqueous	E624_PR	Purge and Trap Water GC/MS	11/08/23 08:21 AM	112850
2311075-01B	Permit Outfall	11/07/23 07:59 AM	Aqueous	E200.8_PR	Aq Digestion for Metals: ICP-MS	11/13/23 07:44 AM	112898
2311075-01C	Permit Outfall	11/07/23 07:59 AM	Aqueous	M4500-NH3-D	Ammonia Preparation	11/15/23 09:20 AM	112940
	Permit Outfall	11/07/23 07:59 AM	Aqueous	M4500-P E	T-Phosphorus Prep Water	11/14/23 08:15 AM	112914
	Permit Outfall	11/07/23 07:59 AM	Aqueous	M4500-P E	T-Phosphorus Prep Water	11/14/23 08:15 AM	112914
2311075-01D	Permit Outfall	11/07/23 07:59 AM	Aqueous	M4500-CN E	Cyanide Water Prep	11/16/23 08:12 AM	112958
2311075-01F	Permit Outfall	11/07/23 07:59 AM	Aqueous	M2320 B	Alkalinity Preparation	11/09/23 08:34 AM	112862
	Permit Outfall	11/07/23 07:59 AM	Aqueous	E300	Anion Preparation	11/08/23 02:08 PM	112853
	Permit Outfall	11/07/23 07:59 AM	Aqueous	E300	Anion Preparation	11/08/23 02:08 PM	112853
	Permit Outfall	11/07/23 07:59 AM	Aqueous	E300	Anion Preparation	11/08/23 02:08 PM	112853
	Permit Outfall	11/07/23 07:59 AM	Aqueous	M2510 B	Conductivity Preparation	11/09/23 02:21 PM	112878
	Permit Outfall	11/07/23 07:59 AM	Aqueous	M2540C	TDS Preparation	11/09/23 02:38 PM	112877
2311075-01G	Permit Outfall	11/07/23 07:59 AM	Aqueous	M2540D	TSS Preparation	11/09/23 09:11 AM	112865
2311075-01H	Permit Outfall	11/07/23 07:59 AM	Aqueous	E625_PR	Semivol Extraction for 625.1	11/13/23 08:05 AM	112902
	Permit Outfall	11/07/23 07:59 AM	Aqueous	E625_PR	Semivol Extraction for 625.1	11/13/23 08:05 AM	112902
2311075-01I	Permit Outfall	11/07/23 07:59 AM	Aqueous	E625_PR	Aq Prep Sep Funnel: Pest or PCB	11/14/23 10:33 AM	112922
2311075-01J	Permit Outfall	11/07/23 07:59 AM	Aqueous	E625_PR	Aq Prep Sep Funnel: Pest or PCB	11/14/23 10:33 AM	112922
	Permit Outfall	11/07/23 07:59 AM	Aqueous	E625_PR	Aq Prep Sep Funnel: Pest or PCB	11/14/23 10:33 AM	112922
2311075-01K	Permit Outfall	11/07/23 07:59 AM	Aqueous	E632	632 Prep	11/09/23 09:07 AM	112864
2311075-01L	Permit Outfall	11/07/23 07:59 AM	Aqueous	E1664	1664 Prep	11/10/23 09:51 AM	112891
2311075-03A	Permit Outfall	11/16/23 02:00 PM	Aqueous	M3500-Cr B	Hexachrom Prep Water	11/17/23 11:14 AM	112972

Lab Order: 2311075
Client: Brazos River Authority
Project: Sugarland New Territory

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
2311075-01A	Permit Outfall	Aqueous	E624.1	624.1 Volatiles Water	112850	1	11/08/23 04:32 PM	GCMS7_231108B
2311075-01B	Permit Outfall	Aqueous	E200.8	Total Recoverable Metals: ICP-MS	112898	1	11/13/23 03:52 PM	ICP-MS4_231113B
2311075-01C	Permit Outfall	Aqueous	M4500-NH3-D	Ammonia aqueous	112940	1	11/15/23 10:12 AM	WC_231115C
	Permit Outfall	Aqueous	M4500-P E	Total Phosphorus	112914	1	11/14/23 05:18 PM	UV/VIS_2_231114D
	Permit Outfall	Aqueous	M4500-P E	Total Phosphorus	112914	10	11/14/23 05:38 PM	UV/VIS_2_231114D
2311075-01D	Permit Outfall	Aqueous	M4500-CN E	Cyanide - Water Sample	112958	1	11/16/23 03:47 PM	UV/VIS_2_231116B
2311075-01F	Permit Outfall	Aqueous	M2320 B	Alkalinity	112862	1	11/09/23 11:33 AM	TITRATOR_231109B
	Permit Outfall	Aqueous	E300	Anions by IC method - Water	112853	1	11/08/23 05:45 PM	IC4_231108B
	Permit Outfall	Aqueous	E300	Anions by IC method - Water	112853	100	11/08/23 08:17 PM	IC4_231108B
	Permit Outfall	Aqueous	E300	Anions by IC method - Water	112853	10	11/08/23 11:08 PM	IC4_231108B
	Permit Outfall	Aqueous	M2510 B	Specific Conductance	112878	1	11/09/23 03:25 PM	WC_231109B
	Permit Outfall	Aqueous	M2540C	Total Dissolved Solids	112877	1	11/09/23 05:05 PM	WC_231109E
2311075-01G	Permit Outfall	Aqueous	M2540D	Total Suspended Solids	112865	1	11/09/23 02:25 PM	WC_231109D
2311075-01H	Permit Outfall	Aqueous	E625.1	625.1 Semivolatile Water	112902	1	11/13/23 08:13 PM	GCMS9_231113B
	Permit Outfall	Aqueous	D7065-17	Nonylphenol in Water by ASTM Method	112902	1	11/13/23 08:13 PM	GCMS9_231113C
2311075-01I	Permit Outfall	Aqueous	E625.1	625.1 PCB by GC/MS	112922	1	11/14/23 07:29 PM	GCMS6_231114A
2311075-01J	Permit Outfall	Aqueous	E625.1	625.1 Pesticide by GC/MS	112922	1	11/14/23 08:25 PM	GCMS10_231114A
	Permit Outfall	Aqueous	D5812-96	Dicofol in Water by ASTM Method	112922	1	11/14/23 08:25 PM	GCMS10_231114B
2311075-01K	Permit Outfall	Aqueous	E632	Diuron-Hexachlorophene by LCMS	112864	1	11/10/23 10:48 AM	LCMS2_231110A
2311075-01L	Permit Outfall	Aqueous	E1664A	Total Oil & Grease	112891	1	11/10/23 04:30 PM	WC_231110B
2311075-01M	Permit Outfall	Aqueous	E615	Herbicide in Water	R130191	1.93	11/15/23 10:00 AM	SUB_231115A
2311075-01N	Permit Outfall	Aqueous	M4500-NH3-D	Total Kjeldahl Nitrogen (L)	R130113	1	11/13/23 02:48 PM	SUB_231113A
2311075-01O	Permit Outfall	Aqueous	M5210B	Carbonaceous BOD	R130336	1	11/09/23 07:50 AM	SUB_231109B
2311075-01P	Permit Outfall	Aqueous	E420.1	Total Phenols Water	R130135	1	11/14/23 11:13 AM	SUB_231114A
2311075-02A	Permit Outfall Hg	Aqueous	E245.7	Mercury Low Level	R130335	1	11/22/23 12:25 PM	SUB_231122A
2311075-03A	Permit Outfall	Aqueous	M3500-Cr B	Hexavalent Chromium-Water	112972	1	11/17/23 11:22 AM	UV/VIS_2_231117A

DHL Analytical, Inc.

Date: *01-Dec-23*

CLIENT:	Brazos River Authority	**Client Sample ID:**	Permit Outfall
Project:	Sugarland New Territory	**Lab ID:**	2311075-01
Project No:		**Collection Date:**	11/07/23 07:59 AM
Lab Order:	2311075	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
DIURON-HEXACHLOROPHENE BY LCMS		**E632**					Analyst: **BHB**
Diuron	<0.282	0.282	0.753	N	µg/L	1	11/10/23 10:48 AM
Hexachlorophene	<9.42	9.42	47.1	N	µg/L	1	11/10/23 10:48 AM
Surr: Carbazole	48.0	0	35-145		%REC	1	11/10/23 10:48 AM
TOTAL RECOVERABLE METALS: ICP-MS		**E200.8**					Analyst: **CMC**
Aluminum	42.4	2.50	30.0		µg/L	1	11/13/23 03:52 PM
Antimony	<0.800	0.800	2.50		µg/L	1	11/13/23 03:52 PM
Arsenic	1.47	0.500	5.00	J	µg/L	1	11/13/23 03:52 PM
Barium	164	3.00	10.0		µg/L	1	11/13/23 03:52 PM
Beryllium	<0.300	0.300	1.00		µg/L	1	11/13/23 03:52 PM
Cadmium	<0.300	0.300	1.00		µg/L	1	11/13/23 03:52 PM
Chromium	<3.00	3.00	3.00		µg/L	1	11/13/23 03:52 PM
Copper	12.6	1.00	10.0		µg/L	1	11/13/23 03:52 PM
Lead	<0.300	0.300	1.00		µg/L	1	11/13/23 03:52 PM
Nickel	<1.00	1.00	10.0		µg/L	1	11/13/23 03:52 PM
Selenium	<2.00	2.00	5.00		µg/L	1	11/13/23 03:52 PM
Silver	<0.500	0.500	2.00		µg/L	1	11/13/23 03:52 PM
Thallium	<0.500	0.500	1.50		µg/L	1	11/13/23 03:52 PM
Zinc	45.0	2.00	5.00		µg/L	1	11/13/23 03:52 PM
TOTAL OIL & GREASE		**E1664A**					Analyst: **CF**
Oil & Grease	<1.42	1.42	5.07		mg/L	1	11/10/23 04:30 PM
625.1 PCB BY GC/MS		**E625.1**					Analyst: **DEW**
Aroclor 1016	<0.0988	0.0988	0.198		µg/L	1	11/14/23 07:29 PM
Aroclor 1221	<0.0988	0.0988	0.198		µg/L	1	11/14/23 07:29 PM
Aroclor 1232	<0.0988	0.0988	0.198		µg/L	1	11/14/23 07:29 PM
Aroclor 1242	<0.0988	0.0988	0.198		µg/L	1	11/14/23 07:29 PM
Aroclor 1248	<0.0988	0.0988	0.198		µg/L	1	11/14/23 07:29 PM
Aroclor 1254	<0.0988	0.0988	0.198		µg/L	1	11/14/23 07:29 PM
Aroclor 1260	<0.0988	0.0988	0.198		µg/L	1	11/14/23 07:29 PM
Total PCBs	<0.0988	0.0988	0.198		µg/L	1	11/14/23 07:29 PM
Surr: 2-Fluorobiphenyl	79.0	0	43-116		%REC	1	11/14/23 07:29 PM
Surr: 4-Terphenyl-d14	87.8	0	33-141		%REC	1	11/14/23 07:29 PM
625.1 SEMIVOLATILE WATER		**E625.1**					Analyst: **DEW**
Phenols, Total	<1.98	1.98	9.89		µg/L	1	11/13/23 08:13 PM
Anthracene	<1.98	1.98	9.89		µg/L	1	11/13/23 08:13 PM
Benzidine	<4.94	4.94	49.4		µg/L	1	11/13/23 08:13 PM
Benzo[a]anthracene	<1.98	1.98	4.94		µg/L	1	11/13/23 08:13 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *01-Dec-23*

CLIENT:	Brazos River Authority	**Client Sample ID:**	Permit Outfall
Project:	Sugarland New Territory	**Lab ID:**	2311075-01
Project No:		**Collection Date:**	11/07/23 07:59 AM
Lab Order:	2311075	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
625.1 SEMIVOLATILE WATER		**E625.1**					Analyst: **DEW**
Benzo[a]pyrene	<1.98	1.98	4.94		µg/L	1	11/13/23 08:13 PM
Bis(2-chloroethyl)ether	<1.98	1.98	9.89		µg/L	1	11/13/23 08:13 PM
Bis(2-ethylhexyl)phthalate	<1.98	1.98	9.89		µg/L	1	11/13/23 08:13 PM
Chrysene	<1.98	1.98	4.94		µg/L	1	11/13/23 08:13 PM
p-Chloro-m-Cresol	<1.98	1.98	9.89		µg/L	1	11/13/23 08:13 PM
4,6-Dinitro-o-cresol	<1.98	1.98	9.89		µg/L	1	11/13/23 08:13 PM
p-Cresol	<1.98	1.98	9.89		µg/L	1	11/13/23 08:13 PM
3,3´-Dichlorobenzidine	<1.98	1.98	4.94		µg/L	1	11/13/23 08:13 PM
2,4-Dimethylphenol	<1.98	1.98	9.89		µg/L	1	11/13/23 08:13 PM
Di-n-butyl phthalate	<3.95	3.95	9.89		µg/L	1	11/13/23 08:13 PM
Hexachlorobenzene	<1.98	1.98	4.94		µg/L	1	11/13/23 08:13 PM
Hexachlorobutadiene	<1.98	1.98	9.89		µg/L	1	11/13/23 08:13 PM
Hexachlorocyclopentadiene	<1.98	1.98	9.89		µg/L	1	11/13/23 08:13 PM
Hexachloroethane	<1.98	1.98	19.8		µg/L	1	11/13/23 08:13 PM
N-Nitrosodiethylamine	<1.98	1.98	19.8		µg/L	1	11/13/23 08:13 PM
N-Nitrosodi-n-butylamine	<1.98	1.98	19.8		µg/L	1	11/13/23 08:13 PM
Pentachlorobenzene	<1.98	1.98	19.8		µg/L	1	11/13/23 08:13 PM
Pentachlorophenol	<1.98	1.98	4.94		µg/L	1	11/13/23 08:13 PM
Phenanthrene	<1.98	1.98	9.89		µg/L	1	11/13/23 08:13 PM
Pyridine	<3.95	3.95	19.8		µg/L	1	11/13/23 08:13 PM
1,2,4,5-Tetrachlorobenzene	<1.98	1.98	19.8		µg/L	1	11/13/23 08:13 PM
2,4,5-Trichlorophenol	<1.98	1.98	9.89		µg/L	1	11/13/23 08:13 PM
2-Chlorophenol	<1.98	1.98	9.89		µg/L	1	11/13/23 08:13 PM
2,4-Dichlorophenol	<1.98	1.98	9.89		µg/L	1	11/13/23 08:13 PM
2,4-Dinitrophenol	<1.98	1.98	49.4		µg/L	1	11/13/23 08:13 PM
2-Nitrophenol	<1.98	1.98	9.89		µg/L	1	11/13/23 08:13 PM
4-Nitrophenol	<1.98	1.98	49.4		µg/L	1	11/13/23 08:13 PM
Phenol	<1.98	1.98	9.89		µg/L	1	11/13/23 08:13 PM
2,4,6-Trichlorophenol	<1.98	1.98	9.89		µg/L	1	11/13/23 08:13 PM
Acenaphthene	<1.98	1.98	9.89		µg/L	1	11/13/23 08:13 PM
Acenaphthylene	<1.98	1.98	9.89		µg/L	1	11/13/23 08:13 PM
3,4-Benzofluoranthene	<1.98	1.98	9.89		µg/L	1	11/13/23 08:13 PM
Benzo[g,h,i]perylene	<1.98	1.98	19.8		µg/L	1	11/13/23 08:13 PM
Benzo[k]fluoranthene	<1.98	1.98	4.94		µg/L	1	11/13/23 08:13 PM
Bis(2-chloroethoxy)methane	<1.98	1.98	9.89		µg/L	1	11/13/23 08:13 PM
Bis(2-chloroisopropyl)ether	<1.98	1.98	9.89		µg/L	1	11/13/23 08:13 PM
4-Bromophenyl phenyl ether	<1.98	1.98	9.89		µg/L	1	11/13/23 08:13 PM
Butyl benzyl phthalate	<3.95	3.95	9.89		µg/L	1	11/13/23 08:13 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *01-Dec-23*

CLIENT:	Brazos River Authority	**Client Sample ID:**	Permit Outfall
Project:	Sugarland New Territory	**Lab ID:**	2311075-01
Project No:		**Collection Date:**	11/07/23 07:59 AM
Lab Order:	2311075	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
625.1 SEMIVOLATILE WATER		**E625.1**					Analyst: **DEW**
2-Chloronaphthalene	<1.98	1.98	9.89		µg/L	1	11/13/23 08:13 PM
4-Chlorophenyl phenyl ether	<1.98	1.98	9.89		µg/L	1	11/13/23 08:13 PM
Dibenzo(a,h)Anthracene	<1.98	1.98	4.94		µg/L	1	11/13/23 08:13 PM
Diethyl phthalate	<3.95	3.95	9.89		µg/L	1	11/13/23 08:13 PM
Dimethyl phthalate	<3.95	3.95	9.89		µg/L	1	11/13/23 08:13 PM
2,4-Dinitrotoluene	<1.98	1.98	9.89		µg/L	1	11/13/23 08:13 PM
2,6-Dinitrotoluene	<1.98	1.98	9.89		µg/L	1	11/13/23 08:13 PM
Di-n-octyl phthalate	<3.95	3.95	9.89		µg/L	1	11/13/23 08:13 PM
1,2-Diphenylhydrazine	<1.98	1.98	19.8		µg/L	1	11/13/23 08:13 PM
Fluoranthene	<1.98	1.98	9.89		µg/L	1	11/13/23 08:13 PM
Fluorene	<1.98	1.98	9.89		µg/L	1	11/13/23 08:13 PM
Indeno[1,2,3-cd]pyrene	<1.98	1.98	4.94		µg/L	1	11/13/23 08:13 PM
Isophorone	<1.98	1.98	9.89		µg/L	1	11/13/23 08:13 PM
Naphthalene	<1.98	1.98	9.89		µg/L	1	11/13/23 08:13 PM
Nitrobenzene	<1.98	1.98	9.89		µg/L	1	11/13/23 08:13 PM
N-Nitrosodimethylamine	<1.98	1.98	19.8		µg/L	1	11/13/23 08:13 PM
N-Nitrosodi-n-propylamine	<1.98	1.98	19.8		µg/L	1	11/13/23 08:13 PM
N-Nitrosodiphenylamine	<1.98	1.98	19.8		µg/L	1	11/13/23 08:13 PM
Pyrene	<1.98	1.98	9.89		µg/L	1	11/13/23 08:13 PM
1,2,4-Trichlorobenzene	<1.98	1.98	9.89		µg/L	1	11/13/23 08:13 PM
Surr: 2,4,6-Tribromophenol	94.3	0	10-123		%REC	1	11/13/23 08:13 PM
Surr: 2-Fluorobiphenyl	78.0	0	43-116		%REC	1	11/13/23 08:13 PM
Surr: 2-Fluorophenol	44.0	0	21-100		%REC	1	11/13/23 08:13 PM
Surr: 4-Terphenyl-d14	78.5	0	33-141		%REC	1	11/13/23 08:13 PM
Surr: Nitrobenzene-d5	86.5	0	35-115		%REC	1	11/13/23 08:13 PM
Surr: Phenol-d5	29.5	0	10-94		%REC	1	11/13/23 08:13 PM
625.1 PESTICIDE BY GC/MS		**E625.1**					Analyst: **DEW**
Aldrin	<0.00988	0.00988	0.00988		µg/L	1	11/14/23 08:25 PM
Carbaryl	<0.00988	0.00988	0.0296	N	µg/L	1	11/14/23 08:25 PM
Chlordane	<0.0593	0.0593	0.198	N	µg/L	1	11/14/23 08:25 PM
Chlorpyrifos	<0.00988	0.00988	0.0296	N	µg/L	1	11/14/23 08:25 PM
4,4´-DDD	<0.00988	0.00988	0.0198		µg/L	1	11/14/23 08:25 PM
4,4´-DDE	<0.00988	0.00988	0.0198		µg/L	1	11/14/23 08:25 PM
4,4´-DDT	<0.00988	0.00988	0.0198		µg/L	1	11/14/23 08:25 PM
Demeton (O & S)	<0.00988	0.00988	0.0296	N	µg/L	1	11/14/23 08:25 PM
Diazinon	<0.00988	0.00988	0.0296	N	µg/L	1	11/14/23 08:25 PM
Dieldrin	<0.00988	0.00988	0.0198		µg/L	1	11/14/23 08:25 PM
Endosulfan I	<0.00988	0.00988	0.00988		µg/L	1	11/14/23 08:25 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *01-Dec-23*

CLIENT:	Brazos River Authority	**Client Sample ID:**	Permit Outfall
Project:	Sugarland New Territory	**Lab ID:**	2311075-01
Project No:		**Collection Date:**	11/07/23 07:59 AM
Lab Order:	2311075	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
625.1 PESTICIDE BY GC/MS		**E625.1**					Analyst: **DEW**
Endosulfan II	<0.00988	0.00988	0.0198		µg/L	1	11/14/23 08:25 PM
Endosulfan sulfate	<0.00988	0.00988	0.0198		µg/L	1	11/14/23 08:25 PM
Endrin	<0.00988	0.00988	0.0198		µg/L	1	11/14/23 08:25 PM
Guthion (Azinphosmethyl)	<0.00988	0.00988	0.0296	N	µg/L	1	11/14/23 08:25 PM
Heptachlor	<0.00988	0.00988	0.00988		µg/L	1	11/14/23 08:25 PM
Heptachlor epoxide	<0.00988	0.00988	0.00988		µg/L	1	11/14/23 08:25 PM
alpha-BHC (Hexachlorocyclohexane)	<0.00988	0.00988	0.0198		µg/L	1	11/14/23 08:25 PM
beta-BHC (Hexachlorocyclohexane)	<0.00988	0.00988	0.0198		µg/L	1	11/14/23 08:25 PM
gamma-BHC (Lindane)	<0.00988	0.00988	0.0198		µg/L	1	11/14/23 08:25 PM
Malathion	<0.00988	0.00988	0.0296	N	µg/L	1	11/14/23 08:25 PM
Methoxychlor	<0.0198	0.0198	0.0198	N	µg/L	1	11/14/23 08:25 PM
Mirex	<0.00988	0.00988	0.0198	N	µg/L	1	11/14/23 08:25 PM
Parathion, ethyl	<0.00988	0.00988	0.0296	N	µg/L	1	11/14/23 08:25 PM
Toxaphene	<0.296	0.296	0.296		µg/L	1	11/14/23 08:25 PM
delta-BHC (Hexachlorocyclohexane)	<0.00988	0.00988	0.0198		µg/L	1	11/14/23 08:25 PM
Endrin aldehyde	<0.00988	0.00988	0.0198		µg/L	1	11/14/23 08:25 PM
Surr: 2-Fluorobiphenyl	70.7	0	43-116		%REC	1	11/14/23 08:25 PM
Surr: 4-Terphenyl-d14	90.0	0	33-141		%REC	1	11/14/23 08:25 PM
DICOFOL IN WATER BY ASTM METHOD		**D5812-96**					Analyst: **DEW**
Dicofol	<0.198	0.198	0.395	N	µg/L	1	11/14/23 08:25 PM
NONYLPHENOL IN WATER BY ASTM METHOD		**D7065-17**					Analyst: **DEW**
Technical Nonylphenol	<69.2	69.2	98.9	N	µg/L	1	11/13/23 08:13 PM
624.1 VOLATILES WATER		**E624.1**					Analyst: **JVR**
Acrylonitrile	<3.00	3.00	50.0		µg/L	1	11/08/23 04:32 PM
Benzene	<1.00	1.00	10.0		µg/L	1	11/08/23 04:32 PM
Bromodichloromethane	14.3	1.00	10.0		µg/L	1	11/08/23 04:32 PM
Bromoform	<1.00	1.00	10.0		µg/L	1	11/08/23 04:32 PM
Carbon tetrachloride	<1.00	1.00	2.00		µg/L	1	11/08/23 04:32 PM
Chlorobenzene	<1.00	1.00	10.0		µg/L	1	11/08/23 04:32 PM
Chlorodibromomethane	3.52	1.00	10.0	J	µg/L	1	11/08/23 04:32 PM
Chloroform	52.3	1.00	10.0		µg/L	1	11/08/23 04:32 PM
1,2-Dibromoethane	<1.00	1.00	2.00		µg/L	1	11/08/23 04:32 PM
m-Dichlorobenzene	<1.00	1.00	5.00		µg/L	1	11/08/23 04:32 PM
o-Dichlorobenzene	<1.00	1.00	5.00		µg/L	1	11/08/23 04:32 PM
p-Dichlorobenzene	<1.00	1.00	5.00		µg/L	1	11/08/23 04:32 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *01-Dec-23*

CLIENT:	Brazos River Authority	**Client Sample ID:**	Permit Outfall
Project:	Sugarland New Territory	**Lab ID:**	2311075-01
Project No:		**Collection Date:**	11/07/23 07:59 AM
Lab Order:	2311075	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
624.1 VOLATILES WATER		**E624.1**					Analyst: **JVR**
1,2-Dichloroethane	<1.00	1.00	10.0		µg/L	1	11/08/23 04:32 PM
1,1-Dichloroethylene	<1.00	1.00	10.0		µg/L	1	11/08/23 04:32 PM
Methylene chloride (DCM)	<2.50	2.50	20.0		µg/L	1	11/08/23 04:32 PM
1,2-Dichloropropane	<1.00	1.00	10.0		µg/L	1	11/08/23 04:32 PM
1,3-Dichloropropene (cis)	<1.00	1.00	10.0		µg/L	1	11/08/23 04:32 PM
1,3-Dichloropropene (trans)	<1.00	1.00	10.0		µg/L	1	11/08/23 04:32 PM
Ethylbenzene	<1.00	1.00	10.0		µg/L	1	11/08/23 04:32 PM
Methyl ethyl ketone	<15.0	15.0	50.0		µg/L	1	11/08/23 04:32 PM
1,1,2,2-Tetrachloroethane	<1.00	1.00	10.0		µg/L	1	11/08/23 04:32 PM
Tetrachloroethylene	<2.00	2.00	10.0		µg/L	1	11/08/23 04:32 PM
Toluene	<2.00	2.00	10.0		µg/L	1	11/08/23 04:32 PM
1,1,1-Trichloroethane	<1.00	1.00	10.0		µg/L	1	11/08/23 04:32 PM
1,1,2-Trichloroethane	<1.00	1.00	10.0		µg/L	1	11/08/23 04:32 PM
Trichloroethene	<1.00	1.00	10.0		µg/L	1	11/08/23 04:32 PM
Total THMs	70.1	5.00	10.0		µg/L	1	11/08/23 04:32 PM
Vinyl chloride	<1.00	1.00	10.0		µg/L	1	11/08/23 04:32 PM
Acrolein	<15.0	15.0	50.0		µg/L	1	11/08/23 04:32 PM
Chloroethane	<2.00	2.00	10.0		µg/L	1	11/08/23 04:32 PM
2-Chloroethylvinylether	<6.00	6.00	10.0		µg/L	1	11/08/23 04:32 PM
1,1-Dichloroethane	<1.00	1.00	10.0		µg/L	1	11/08/23 04:32 PM
Methyl bromide	<5.00	5.00	20.0		µg/L	1	11/08/23 04:32 PM
Methyl chloride	<1.00	1.00	20.0		µg/L	1	11/08/23 04:32 PM
1,2-Trans-Dichloroethylene	<1.00	1.00	10.0		µg/L	1	11/08/23 04:32 PM
Surr: 1,2-Dichloroethane-d4	94.3	0	72-119		%REC	1	11/08/23 04:32 PM
Surr: 4-Bromofluorobenzene	102	0	76-119		%REC	1	11/08/23 04:32 PM
Surr: Dibromofluoromethane	102	0	85-115		%REC	1	11/08/23 04:32 PM
Surr: Toluene-d8	95.2	0	81-120		%REC	1	11/08/23 04:32 PM
TOTAL KJELDAHL NITROGEN (L)		**M4500-NH3-D**					Analyst: **SUB**
Total Kjeldahl Nitrogen	0.540	0.100	0.500		mg/L	1	11/13/23 02:48 PM
CARBONACEOUS BOD		**M5210B**					Analyst: **SUB**
Carbonaceous BOD	3.00	1.00	1.00		mg/L	1	11/09/23 07:50 AM
HERBICIDE IN WATER		**E615**					Analyst: **SUB**
2,4-D	<0.308	0.308	0.967		µg/L	1.93	11/15/23 10:00 AM
2,4,5-TP (Silvex)	<0.173	0.173	0.580		µg/L	1.93	11/15/23 10:00 AM
TOTAL PHENOLS WATER		**E420.1**					Analyst: **SUB**
Phenols, Total	0.0400	0.0200	0.0500	J	mg/L	1	11/14/23 11:13 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *01-Dec-23*

CLIENT:	Brazos River Authority	**Client Sample ID:**	Permit Outfall
Project:	Sugarland New Territory	**Lab ID:**	2311075-01
Project No:		**Collection Date:**	11/07/23 07:59 AM
Lab Order:	2311075	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **RA**
Chloride	140	3.00	10.0		mg/L	10	11/08/23 11:08 PM
Fluoride	0.315	0.100	0.400	J	mg/L	1	11/08/23 05:45 PM
Nitrate-N	21.2	0.100	0.500		mg/L	1	11/08/23 05:45 PM
Sulfate	45.5	1.00	3.00		mg/L	1	11/08/23 05:45 PM
ALKALINITY		**M2320 B**					Analyst: **BTJ**
Alkalinity, Bicarbonate (As CaCO3)	122	10.0	20.0		mg/L @ pH 4.54	1	11/09/23 11:33 AM
Alkalinity, Carbonate (As CaCO3)	<10.0	10.0	20.0		mg/L @ pH 4.54	1	11/09/23 11:33 AM
Alkalinity, Hydroxide (As CaCO3)	<10.0	10.0	20.0		mg/L @ pH 4.54	1	11/09/23 11:33 AM
Alkalinity, Total (As CaCO3)	122	10.0	20.0		mg/L @ pH 4.54	1	11/09/23 11:33 AM
AMMONIA AQUEOUS		**M4500-NH3-D**					Analyst: **SMA**
Ammonia-N (As N)	<0.100	0.100	0.250		mg/L	1	11/15/23 10:12 AM
CYANIDE - WATER SAMPLE		**M4500-CN E**					Analyst: **BTJ**
Cyanide, Amenable to Chlorination	<0.0100	0.0100	0.0100		mg/L	1	11/16/23 03:47 PM
Cyanide, Total	<0.0100	0.0100	0.0100		mg/L	1	11/16/23 03:47 PM
SPECIFIC CONDUCTANCE		**M2510 B**					Analyst: **JS**
Specific Conductance	930	10.0	10.0		µmhos/cm @25°C	1	11/09/23 03:25 PM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **JS**
Total Dissolved Solids (Residue, Filterable)	576	10.0	10.0		mg/L	1	11/09/23 05:05 PM
TOTAL PHOSPHORUS		**M4500-P E**					Analyst: **BTJ**
Total Phosphorus (As P)	4.73	0.400	1.00		mg/L	10	11/14/23 05:38 PM
TOTAL SUSPENDED SOLIDS		**M2540D**					Analyst: **JS**
Suspended Solids (Residue, Non-Filterable)	13.6	5.00	5.00		mg/L	1	11/09/23 02:25 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *01-Dec-23*

CLIENT:	Brazos River Authority	**Client Sample ID:**	Permit Outfall Hg
Project:	Sugarland New Territory	**Lab ID:**	2311075-02
Project No:		**Collection Date:**	11/07/23 09:05 AM
Lab Order:	2311075	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
MERCURY LOW LEVEL		**E245.7**					Analyst: **SUB**
Mercury	0.00900	0.00500	0.00500		µg/L	1	11/22/23 12:25 PM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level		C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor		E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL		MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit		RL	Reporting Limit
	S	Spike Recovery outside control limits		N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *01-Dec-23*

CLIENT:	Brazos River Authority	**Client Sample ID:**	Permit Outfall
Project:	Sugarland New Territory	**Lab ID:**	2311075-03
Project No:		**Collection Date:**	11/16/23 02:00 PM
Lab Order:	2311075	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
HEXAVALENT CHROMIUM-WATER		**M3500-CR B**					Analyst: **JS**
Chromium (Hex)	<3.00	3.00	3.00		µg/L	1	11/17/23 11:22 AM
Chromium (Tri)	<2.00	2.00	3.00	N	µg/L	1	11/17/23 11:22 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
	S	Spike Recovery outside control limits	N	Parameter not NELAP certified

CLIENT: Brazos River Authority
Work Order: 2311075
Project: Sugarland New Territory

ANALYTICAL QC SUMMARY REPORT

RunID: LCMS2_231110A

The QC data in batch 112864 applies to the following samples: 2311075-01K

Sample ID: **MB-112864**	Batch ID: **112864**	TestNo: **E632**	Units: **µg/L**
SampType: **MBLK**	Run ID: **LCMS2_231110A**	Analysis Date: **11/10/2023 10:14:20 A**	Prep Date: **11/9/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diuron	<0.0300	0.0800								N
Hexachlorophene	<1.00	5.00								N
Surr: Carbazole	5.07		10.00		50.7	35	145			

Sample ID: **LCS-112864**	Batch ID: **112864**	TestNo: **E632**	Units: **µg/L**
SampType: **LCS**	Run ID: **LCMS2_231110A**	Analysis Date: **11/10/2023 10:25:38 A**	Prep Date: **11/9/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diuron	1.52	0.0800	2.000	0	76.2	35	145			N
Hexachlorophene	1.82	5.00	2.000	0	91.2	35	145			N
Surr: Carbazole	6.27		10.00		62.7	35	145			

Sample ID: **2311075-01KMS**	Batch ID: **112864**	TestNo: **E632**	Units: **µg/L**
SampType: **MS**	Run ID: **LCMS2_231110A**	Analysis Date: **11/10/2023 10:59:38 A**	Prep Date: **11/9/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diuron	17.4	0.762	19.05	0	91.5	35	145			N
Hexachlorophene	16.1	47.6	19.05	0	84.3	35	145			N
Surr: Carbazole	56.9		95.24		59.7	35	145			

Sample ID: **2311075-01KMSD**	Batch ID: **112864**	TestNo: **E632**	Units: **µg/L**
SampType: **MSD**	Run ID: **LCMS2_231110A**	Analysis Date: **11/10/2023 11:10:58 A**	Prep Date: **11/9/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diuron	16.1	0.778	19.46	0	83.0	35	145	7.68	30	N
Hexachlorophene	15.2	48.6	19.46	0	77.9	35	145	5.81	30	N
Surr: Carbazole	55.5		97.28		57.0	35	145	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Brazos River Authority
Work Order: 2311075
Project: Sugarland New Territory

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_231113B

The QC data in batch 112898 applies to the following samples: 2311075-01B

Sample ID: **MB-112898** Batch ID: **112898** TestNo: **E200.8** Units: **µg/L**
SampType: **MBLK** Run ID: **ICP-MS4_231113B** Analysis Date: **11/13/2023 2:54:00 PM** Prep Date: **11/13/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aluminum	<10.0	30.0								
Antimony	<0.800	2.50								
Arsenic	<2.00	5.00								
Barium	<3.00	10.0								
Beryllium	<0.300	1.00								
Cadmium	<0.300	1.00								
Chromium	<2.00	5.00								
Copper	<2.00	10.0								
Lead	<0.300	1.00								
Nickel	<3.00	10.0								
Selenium	<2.00	5.00								
Silver	<1.00	2.00								
Thallium	<0.500	1.50								
Zinc	<2.00	5.00								

Sample ID: **LCS-112898** Batch ID: **112898** TestNo: **E200.8** Units: **µg/L**
SampType: **LCS** Run ID: **ICP-MS4_231113B** Analysis Date: **11/13/2023 2:58:00 PM** Prep Date: **11/13/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aluminum	4930	30.0	5000	0	98.6	85	115			
Antimony	197	2.50	200.0	0	98.7	85	115			
Arsenic	197	5.00	200.0	0	98.7	85	115			
Barium	197	10.0	200.0	0	98.4	85	115			
Beryllium	199	1.00	200.0	0	99.7	85	115			
Cadmium	199	1.00	200.0	0	99.4	85	115			
Chromium	205	5.00	200.0	0	103	85	115			
Copper	206	10.0	200.0	0	103	85	115			
Lead	200	1.00	200.0	0	100	85	115			
Nickel	202	10.0	200.0	0	101	85	115			
Selenium	200	5.00	200.0	0	100	85	115			
Silver	201	2.00	200.0	0	101	85	115			
Thallium	191	1.50	200.0	0	95.5	85	115			
Zinc	202	5.00	200.0	0	101	85	115			

Sample ID: **LCSD-112898** Batch ID: **112898** TestNo: **E200.8** Units: **µg/L**
SampType: **LCSD** Run ID: **ICP-MS4_231113B** Analysis Date: **11/13/2023 3:03:00 PM** Prep Date: **11/13/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aluminum	4910	30.0	5000	0	98.3	85	115	0.346	15	
Antimony	196	2.50	200.0	0	97.9	85	115	0.834	15	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Brazos River Authority
Work Order: 2311075
Project: Sugarland New Territory

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_231113B

Sample ID: **LCSD-112898**	Batch ID: **112898**	TestNo: **E200.8**	Units: **µg/L**
SampType: **LCSD**	Run ID: **ICP-MS4_231113B**	Analysis Date: **11/13/2023 3:03:00 PM**	Prep Date: **11/13/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	195	5.00	200.0	0	97.6	85	115	1.12	15	
Barium	196	10.0	200.0	0	98.0	85	115	0.355	15	
Beryllium	198	1.00	200.0	0	98.8	85	115	0.916	15	
Cadmium	197	1.00	200.0	0	98.3	85	115	1.07	15	
Chromium	204	5.00	200.0	0	102	85	115	0.599	15	
Copper	205	10.0	200.0	0	102	85	115	0.287	15	
Lead	197	1.00	200.0	0	98.6	85	115	1.69	15	
Nickel	201	10.0	200.0	0	101	85	115	0.451	15	
Selenium	199	5.00	200.0	0	99.3	85	115	0.812	15	
Silver	201	2.00	200.0	0	101	85	115	0.120	15	
Thallium	187	1.50	200.0	0	93.4	85	115	2.18	15	
Zinc	199	5.00	200.0	0	99.7	85	115	1.12	15	

Sample ID: **2311070-03A SD**	Batch ID: **112898**	TestNo: **E200.8**	Units: **µg/L**
SampType: **SD**	Run ID: **ICP-MS4_231113B**	Analysis Date: **11/13/2023 3:09:00 PM**	Prep Date: **11/13/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aluminum	<50.0	150	0	21.39				0	10	
Antimony	<4.00	12.5	0	0				0	10	
Arsenic	<10.0	25.0	0	0				0	10	
Barium	<15.0	50.0	0	9.442				0	10	
Beryllium	<1.50	5.00	0	0				0	10	
Cadmium	<1.50	5.00	0	0				0	10	
Chromium	<10.0	25.0	0	3.936				0	10	
Copper	132	50.0	0	129.5				1.76	10	
Lead	<1.50	5.00	0	0				0	10	
Nickel	<15.0	50.0	0	6.304				0	10	
Selenium	<10.0	25.0	0	0				0	10	
Silver	<5.00	10.0	0	0				0	10	
Thallium	<2.50	7.50	0	0				0	10	
Zinc	15.2	25.0	0	15.02				1.31	10	

Sample ID: **2311070-03A PDS**	Batch ID: **112898**	TestNo: **E200.8**	Units: **µg/L**
SampType: **PDS**	Run ID: **ICP-MS4_231113B**	Analysis Date: **11/13/2023 3:29:00 PM**	Prep Date: **11/13/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aluminum	4760	30.0	5000	21.39	94.9	75	125			
Antimony	185	2.50	200.0	0	92.5	75	125			
Arsenic	197	5.00	200.0	0	98.5	75	125			
Barium	209	10.0	200.0	9.442	99.8	75	125			
Beryllium	196	1.00	200.0	0	98.0	75	125			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Brazos River Authority
Work Order: 2311075
Project: Sugarland New Territory

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_231113B

Sample ID: **2311070-03A PDS** Batch ID: **112898** TestNo: **E200.8** Units: **µg/L**
SampType: **PDS** Run ID: **ICP-MS4_231113B** Analysis Date: **11/13/2023 3:29:00 PM** Prep Date: **11/13/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cadmium	199	1.00	200.0	0	99.7	75	125			
Chromium	207	5.00	200.0	3.936	102	75	125			
Copper	326	10.0	200.0	129.5	98.4	75	125			
Lead	199	1.00	200.0	0	99.4	75	125			
Nickel	212	10.0	200.0	6.304	103	75	125			
Selenium	195	5.00	200.0	0	97.6	75	125			
Silver	198	2.00	200.0	0	98.9	75	125			
Thallium	194	1.50	200.0	0	97.0	75	125			
Zinc	213	5.00	200.0	15.02	98.7	75	125			

Sample ID: **2311070-03A MS** Batch ID: **112898** TestNo: **E200.8** Units: **µg/L**
SampType: **MS** Run ID: **ICP-MS4_231113B** Analysis Date: **11/13/2023 3:31:00 PM** Prep Date: **11/13/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aluminum	4820	30.0	5000	21.39	95.9	70	130			
Antimony	202	2.50	200.0	0	101	70	130			
Arsenic	198	5.00	200.0	0	99.2	70	130			
Barium	209	10.0	200.0	9.442	99.6	70	130			
Beryllium	194	1.00	200.0	0	96.8	70	130			
Cadmium	198	1.00	200.0	0	98.8	70	130			
Chromium	204	5.00	200.0	3.936	99.8	70	130			
Copper	328	10.0	200.0	129.5	99.4	70	130			
Lead	197	1.00	200.0	0	98.6	70	130			
Nickel	203	10.0	200.0	6.304	98.3	70	130			
Selenium	193	5.00	200.0	0	96.7	70	130			
Silver	196	2.00	200.0	0	98.0	70	130			
Thallium	188	1.50	200.0	0	93.9	70	130			
Zinc	211	5.00	200.0	15.02	97.8	70	130			

Sample ID: **2311070-03A MSD** Batch ID: **112898** TestNo: **E200.8** Units: **µg/L**
SampType: **MSD** Run ID: **ICP-MS4_231113B** Analysis Date: **11/13/2023 3:33:00 PM** Prep Date: **11/13/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aluminum	5040	30.0	5000	21.39	100	70	130	4.49	15	
Antimony	210	2.50	200.0	0	105	70	130	3.60	15	
Arsenic	206	5.00	200.0	0	103	70	130	3.64	15	
Barium	216	10.0	200.0	9.442	103	70	130	3.27	15	
Beryllium	204	1.00	200.0	0	102	70	130	5.26	15	
Cadmium	205	1.00	200.0	0	103	70	130	3.77	15	
Chromium	214	5.00	200.0	3.936	105	70	130	5.19	15	
Copper	339	10.0	200.0	129.5	105	70	130	3.21	15	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Brazos River Authority
Work Order: 2311075
Project: Sugarland New Territory

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_231113B

Sample ID: **2311070-03A MSD** Batch ID: **112898** TestNo: **E200.8** Units: **µg/L**
SampType: **MSD** Run ID: **ICP-MS4_231113B** Analysis Date: **11/13/2023 3:33:00 PM** Prep Date: **11/13/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead	205	1.00	200.0	0	103	70	130	4.10	15	
Nickel	211	10.0	200.0	6.304	102	70	130	3.82	15	
Selenium	204	5.00	200.0	0	102	70	130	5.52	15	
Silver	205	2.00	200.0	0	103	70	130	4.68	15	
Thallium	199	1.50	200.0	0	99.5	70	130	5.77	15	
Zinc	220	5.00	200.0	15.02	102	70	130	4.10	15	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Brazos River Authority
Work Order: 2311075
Project: Sugarland New Territory

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS10_231114A

The QC data in batch 112922 applies to the following samples: 2311075-01I, 2311075-01J

Sample ID: **LCS-112922** Batch ID: **112922** TestNo: **E625.1** Units: **µg/L**
SampType: **LCS** Run ID: **GCMS10_231114A** Analysis Date: **11/14/2023 3:45:00 PM** Prep Date: **11/14/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4,4´-DDD	0.386	0.0200	0.4000	0	96.4	0.1	135			
4,4´-DDE	0.343	0.0200	0.4000	0	85.7	19	120			
4,4´-DDT	0.384	0.0200	0.4000	0	96.0	0.1	171			
Aldrin	0.277	0.0100	0.4000	0	69.3	7	152			
alpha-BHC (Hexachlorocyclohexane)	0.297	0.0200	0.4000	0	74.1	42	108			
beta-BHC (Hexachlorocyclohexane)	0.297	0.0200	0.4000	0	74.2	42	131			
Carbaryl	0.396	0.0300	0.4000	0	99.0	38	168			N
Chlorpyrifos	0.389	0.0300	0.4000	0	97.3	42	131			N
delta-BHC (Hexachlorocyclohexane)	0.309	0.0200	0.4000	0	77.4	0.1	120			
Diazinon	0.359	0.0300	0.4000	0	89.8	52	120			N
Dieldrin	0.330	0.0200	0.4000	0	82.4	44	119			
Endosulfan I	0.342	0.0100	0.4000	0	85.4	47	128			
Endosulfan II	0.351	0.0200	0.4000	0	87.8	52	125			
Endosulfan sulfate	0.375	0.0200	0.4000	0	93.6	0.1	120			
Endrin	0.431	0.0200	0.4000	0	108	50	151			
Endrin aldehyde	0.00104	0.0200	0.4000	0	0.260	0.1	189			
gamma-BHC (Lindane)	0.330	0.0200	0.4000	0	82.5	41	111			
Guthion (Azinphosmethyl)	0.478	0.0300	0.4000	0	120	44	193			N
Heptachlor	0.324	0.0100	0.4000	0	80.9	0.1	172			
Heptachlor epoxide	0.340	0.0100	0.4000	0	84.9	71	120			
Malathion	0.511	0.0300	0.4000	0	128	56	161			N
Methoxychlor	0.455	0.0200	0.4000	0	114	38	156			N
Mirex	0.270	0.0200	0.4000	0	67.5	27	131			N
Parathion, ethyl	0.486	0.0300	0.4000	0	122	13	184			N
Demeton (O & S)	0.361	0.0300	0.4000	0	90.3	28	154			N
Surr: 2-Fluorobiphenyl	3.02		4.000		75.4	43	116			
Surr: 4-Terphenyl-d14	3.62		4.000		90.5	33	141			

Sample ID: **LCSD-112922** Batch ID: **112922** TestNo: **E625.1** Units: **µg/L**
SampType: **LCSD** Run ID: **GCMS10_231114A** Analysis Date: **11/14/2023 4:20:00 PM** Prep Date: **11/14/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4,4´-DDD	0.364	0.0200	0.4000	0	91.0	0.1	135	5.80	50	
4,4´-DDE	0.300	0.0200	0.4000	0	75.0	19	120	13.3	50	
4,4´-DDT	0.354	0.0200	0.4000	0	88.6	0.1	171	7.97	50	
Aldrin	0.227	0.0100	0.4000	0	56.7	7	152	20.1	50	
alpha-BHC (Hexachlorocyclohexane)	0.285	0.0200	0.4000	0	71.2	42	108	3.98	50	
beta-BHC (Hexachlorocyclohexane)	0.289	0.0200	0.4000	0	72.3	42	131	2.57	50	
Carbaryl	0.400	0.0300	0.4000	0	100	38	168	1.05	50	N
Chlorpyrifos	0.383	0.0300	0.4000	0	95.7	42	131	1.65	50	N

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Brazos River Authority
Work Order: 2311075
Project: Sugarland New Territory

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS10_231114A

Sample ID: **LCSD-112922**	Batch ID: **112922**	TestNo: **E625.1**	Units: **µg/L**
SampType: **LCSD**	Run ID: **GCMS10_231114A**	Analysis Date: **11/14/2023 4:20:00 PM**	Prep Date: **11/14/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
delta-BHC (Hexachlorocyclohexane)	0.306	0.0200	0.4000	0	76.4	0.1	120	1.22	50	
Diazinon	0.349	0.0300	0.4000	0	87.3	52	120	2.86	50	N
Dieldrin	0.319	0.0200	0.4000	0	79.8	44	119	3.29	50	
Endosulfan I	0.321	0.0100	0.4000	0	80.2	47	128	6.23	50	
Endosulfan II	0.355	0.0200	0.4000	0	88.8	52	125	1.04	50	
Endosulfan sulfate	0.363	0.0200	0.4000	0	90.6	0.1	120	3.28	50	
Endrin	0.418	0.0200	0.4000	0	104	50	151	3.16	50	
Endrin aldehyde	0.0374	0.0200	0.4000	0	9.36	0.1	189	189	50	R
gamma-BHC (Lindane)	0.307	0.0200	0.4000	0	76.7	41	111	7.29	50	
Guthion (Azinphosmethyl)	0.476	0.0300	0.4000	0	119	44	193	0.419	50	N
Heptachlor	0.272	0.0100	0.4000	0	67.9	0.1	172	17.5	50	
Heptachlor epoxide	0.329	0.0100	0.4000	0	82.2	71	120	3.27	50	
Malathion	0.484	0.0300	0.4000	0	121	56	161	5.47	50	N
Methoxychlor	0.425	0.0200	0.4000	0	106	38	156	6.80	50	N
Mirex	0.216	0.0200	0.4000	0	54.1	27	131	22.0	50	N
Parathion, ethyl	0.437	0.0300	0.4000	0	109	13	184	10.6	50	N
Demeton (O & S)	0.364	0.0300	0.4000	0	91.0	28	154	0.805	50	N
Surr: 2-Fluorobiphenyl	2.86		4.000		71.5	43	116	0	0	
Surr: 4-Terphenyl-d14	3.37		4.000		84.1	33	141	0	0	

Sample ID: **MB-112922**	Batch ID: **112922**	TestNo: **E625.1**	Units: **µg/L**
SampType: **MBLK**	Run ID: **GCMS10_231114A**	Analysis Date: **11/14/2023 7:15:00 PM**	Prep Date: **11/14/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4,4´-DDD	<0.0100	0.0200								
4,4´-DDE	<0.0100	0.0200								
4,4´-DDT	<0.0100	0.0200								
Aldrin	<0.0100	0.0100								
alpha-BHC (Hexachlorocyclohexane)	<0.0100	0.0200								
beta-BHC (Hexachlorocyclohexane)	<0.0100	0.0200								
Carbaryl	<0.0100	0.0300								N
Chlordane	<0.0600	0.200								N
Chlorpyrifos	<0.0100	0.0300								N
delta-BHC (Hexachlorocyclohexane)	<0.0100	0.0200								
Diazinon	<0.0100	0.0300								N
Dieldrin	<0.0100	0.0200								
Endosulfan I	<0.0100	0.0100								
Endosulfan II	<0.0100	0.0200								
Endosulfan sulfate	<0.0100	0.0200								
Endrin	<0.0100	0.0200								
Endrin aldehyde	<0.0100	0.0200								

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Brazos River Authority
Work Order: 2311075
Project: Sugarland New Territory

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS10_231114A

Sample ID: **MB-112922** Batch ID: **112922** TestNo: **E625.1** Units: **µg/L**
SampType: **MBLK** Run ID: **GCMS10_231114A** Analysis Date: **11/14/2023 7:15:00 PM** Prep Date: **11/14/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
gamma-BHC (Lindane)	<0.0100	0.0200								
Guthion (Azinphosmethyl)	<0.0100	0.0300								N
Heptachlor	<0.0100	0.0100								
Heptachlor epoxide	<0.0100	0.0100								
Malathion	<0.0100	0.0300								N
Methoxychlor	<0.0200	0.0200								N
Mirex	<0.0100	0.0200								N
Parathion, ethyl	<0.0100	0.0300								N
Toxaphene	<0.300	0.300								
Demeton (O & S)	<0.0100	0.0300								N
Surr: 2-Fluorobiphenyl	2.79		4.000		69.8	43	116			
Surr: 4-Terphenyl-d14	3.44		4.000		86.1	33	141			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Brazos River Authority
Work Order: 2311075
Project: Sugarland New Territory

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS10_231114B

The QC data in batch 112922 applies to the following samples: 2311075-01I, 2311075-01J

Sample ID: **LCS-112922-DI**	Batch ID: **112922**	TestNo: **D5812-96**	Units: **µg/L**
SampType: **LCS**	Run ID: **GCMS10_231114B**	Analysis Date: **11/14/2023 5:30:00 PM**	Prep Date: **11/14/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Dicofol	1.08	0.400	1.000	0	108	22	180			N

Sample ID: **MB-112922**	Batch ID: **112922**	TestNo: **D5812-96**	Units: **µg/L**
SampType: **MBLK**	Run ID: **GCMS10_231114B**	Analysis Date: **11/14/2023 7:15:00 PM**	Prep Date: **11/14/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Dicofol	<0.200	0.400								N

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Brazos River Authority
Work Order: 2311075
Project: Sugarland New Territory

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS6_231114A

The QC data in batch 112922 applies to the following samples: 2311075-01I, 2311075-01J

Sample ID: **LCS-112922-PCB** Batch ID: **112922** TestNo: **E625.1** Units: **µg/L**
SampType: **LCS** Run ID: **GCMS6_231114A** Analysis Date: **11/14/2023 5:34:00 PM** Prep Date: **11/14/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	3.08	0.200	4.000	0	76.9	37	130			
Aroclor 1260	3.61	0.200	4.000	0	90.3	19	130			
Total PCBs	6.69	0.200	8.000	0	83.6	19	130			
Surr: 2-Fluorobiphenyl	3.64		4.000		90.9	43	116			
Surr: 4-Terphenyl-d14	4.23		4.000		106	33	141			

Sample ID: **MB-112922** Batch ID: **112922** TestNo: **E625.1** Units: **µg/L**
SampType: **MBLK** Run ID: **GCMS6_231114A** Analysis Date: **11/14/2023 6:03:00 PM** Prep Date: **11/14/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	<0.100	0.200								
Aroclor 1221	<0.100	0.200								
Aroclor 1232	<0.100	0.200								
Aroclor 1242	<0.100	0.200								
Aroclor 1248	<0.100	0.200								
Aroclor 1254	<0.100	0.200								
Aroclor 1260	<0.100	0.200								
Total PCBs	<0.100	0.200								
Surr: 2-Fluorobiphenyl	3.13		4.000		78.3	43	116			
Surr: 4-Terphenyl-d14	3.58		4.000		89.6	33	141			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Brazos River Authority
Work Order: 2311075
Project: Sugarland New Territory

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_231113B

The QC data in batch 112902 applies to the following samples: 2311075-01H

Sample ID: **LCS-112902** Batch ID: **112902** TestNo: **E625.1** Units: **µg/L**
SampType: **LCS** Run ID: **GCMS9_231113B** Analysis Date: **11/13/2023 4:04:00 PM** Prep Date: **11/13/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzidine	19.8	50.0	40.00	0	49.6	5	125			
Benzo[a]anthracene	37.6	5.00	40.00	0	94.1	33	143			
Benzo[a]pyrene	41.0	5.00	40.00	0	102	17	163			
Chrysene	39.1	5.00	40.00	0	97.7	17	168			
2,4-Dimethylphenol	35.6	10.0	40.00	0	88.9	32	120			
4,6-Dinitro-o-cresol	41.3	10.0	40.00	0	103	10	181			
p-Chloro-m-Cresol	35.8	10.0	40.00	0	89.5	22	147			
p-Cresol	30.1	10.0	40.00	0	75.2	10	125			
Hexachlorobenzene	38.7	5.00	40.00	0	96.7	10	152			
Hexachlorobutadiene	32.0	10.0	40.00	0	80.0	24	120			
Hexachloroethane	33.3	20.0	40.00	0	83.3	40	120			
Nitrobenzene	39.7	10.0	40.00	0	99.4	35	180			
N-Nitrosodiethylamine	34.6	20.0	40.00	0	86.4	20	125			
N-Nitrosodi-n-butylamine	40.5	20.0	40.00	0	101	20	125			
Pentachlorobenzene	35.8	20.0	40.00	0	89.6	40	140			
Pentachlorophenol	39.1	5.00	40.00	0	97.8	14	176			
Phenanthrene	39.1	10.0	40.00	0	97.9	54	120			
Pyridine	18.2	20.0	40.00	0	45.5	10	75			
1,2,4,5-Tetrachlorobenzene	33.7	20.0	40.00	0	84.4	30	140			
2,4,5-Trichlorophenol	40.4	10.0	40.00	0	101	25	125			
2-Chlorophenol	34.2	10.0	40.00	0	85.6	23	134			
2,4-Dichlorophenol	37.7	10.0	40.00	0	94.3	39	135			
2,4-Dinitrophenol	37.6	50.0	40.00	0	94.0	10	191			
2-Nitrophenol	38.7	10.0	40.00	0	96.7	29	182			
4-Nitrophenol	31.9	50.0	40.00	0	79.8	10	132			
Phenol	21.2	10.0	40.00	0	52.9	5	120			
2,4,6-Trichlorophenol	40.5	10.0	40.00	0	101	37	144			
3,4-Benzofluoranthene	43.4	10.0	40.00	0	108	24	159			
Acenaphthene	37.3	10.0	40.00	0	93.3	47	145			
Acenaphthylene	33.4	10.0	40.00	0	83.6	33	145			
Anthracene	38.3	10.0	40.00	0	95.8	27	133			
Benzo[g,h,i]perylene	46.0	20.0	40.00	0	115	10	219			
Benzo[k]fluoranthene	41.5	5.00	40.00	0	104	11	162			
Bis(2-chloroethoxy)methane	37.5	10.0	40.00	0	93.9	33	184			
Bis(2-chloroethyl)ether	36.4	10.0	40.00	0	91.1	12	158			
Bis(2-chloroisopropyl)ether	34.3	10.0	40.00	0	85.7	36	166			
Bis(2-ethylhexyl)phthalate	45.7	10.0	40.00	0	114	10	158			
4-Bromophenyl phenyl ether	40.8	10.0	40.00	0	102	53	127			
Butyl benzyl phthalate	41.6	10.0	40.00	0	104	10	152			
2-Chloronaphthalene	37.9	10.0	40.00	0	94.6	60	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Brazos River Authority
Work Order: 2311075
Project: Sugarland New Territory

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_231113B

Sample ID: **LCS-112902**	Batch ID: **112902**	TestNo: **E625.1**	Units: **µg/L**
SampType: **LCS**	Run ID: **GCMS9_231113B**	Analysis Date: **11/13/2023 4:04:00 PM**	Prep Date: **11/13/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Chlorophenyl phenyl ether	37.5	10.0	40.00	0	93.8	25	158			
Dibenzo(a,h)Anthracene	45.2	5.00	40.00	0	113	10	125			
3,3´-Dichlorobenzidine	35.6	5.00	40.00	0	89.0	10	262			
Diethyl phthalate	40.6	10.0	40.00	0	102	10	120			
Dimethyl phthalate	39.4	10.0	40.00	0	98.4	10	120			
Di-n-butyl phthalate	47.0	10.0	40.00	0	118	10	120			
2,4-Dinitrotoluene	40.2	10.0	40.00	0	101	39	139			
2,6-Dinitrotoluene	39.7	10.0	40.00	0	99.2	50	158			
Di-n-octyl phthalate	45.6	10.0	40.00	0	114	10	146			
1,2-Diphenylhydrazine	40.2	20.0	40.00	0	101	40	140			
Fluoranthene	45.5	10.0	40.00	0	114	26	137			
Fluorene	39.4	10.0	40.00	0	98.4	59	121			
Hexachlorocyclopentadiene	34.1	10.0	40.00	0	85.2	8	130			
Indeno[1,2,3-cd]pyrene	44.1	5.00	40.00	0	110	10	171			
Isophorone	37.8	10.0	40.00	0	94.5	21	196			
Naphthalene	35.2	10.0	40.00	0	88.0	21	133			
N-Nitrosodimethylamine	19.2	20.0	40.00	0	48.0	10	125			
N-Nitrosodi-n-propylamine	39.0	20.0	40.00	0	97.6	10	230			
N-Nitrosodiphenylamine	38.0	20.0	40.00	0	95.0	20	125			
Pyrene	36.9	10.0	40.00	0	92.2	52	120			
1,2,4-Trichlorobenzene	34.5	10.0	40.00	0	86.2	44	142			
Phenols, Total	21.2	10.0	40.00	0	52.9	5	120			
Surr: 2,4,6-Tribromophenol	81.6		80.00		102	10	123			
Surr: 2-Fluorobiphenyl	70.6		80.00		88.2	43	116			
Surr: 2-Fluorophenol	51.6		80.00		64.5	21	100			
Surr: 4-Terphenyl-d14	67.0		80.00		83.8	33	141			
Surr: Nitrobenzene-d5	76.6		80.00		95.8	35	115			
Surr: Phenol-d5	39.2		80.00		49.0	10	94			

Sample ID: **LCSD-112902**	Batch ID: **112902**	TestNo: **E625.1**	Units: **µg/L**
SampType: **LCSD**	Run ID: **GCMS9_231113B**	Analysis Date: **11/13/2023 4:26:00 PM**	Prep Date: **11/13/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzidine	16.7	50.0	40.00	0	41.8	5	125	17.1	50	
Benzo[a]anthracene	32.6	5.00	40.00	0	81.6	33	143	14.3	50	
Benzo[a]pyrene	34.1	5.00	40.00	0	85.3	17	163	18.3	50	
Chrysene	33.3	5.00	40.00	0	83.3	17	168	16.0	50	
2,4-Dimethylphenol	30.8	10.0	40.00	0	77.0	32	120	14.3	50	
4,6-Dinitro-o-cresol	36.0	10.0	40.00	0	90.1	10	181	13.5	50	
p-Chloro-m-Cresol	31.2	10.0	40.00	0	78.0	22	147	13.7	50	
p-Cresol	24.4	10.0	40.00	0	61.0	10	125	20.8	50	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Brazos River Authority
Work Order: 2311075
Project: Sugarland New Territory

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_231113B

Sample ID: **LCSD-112902** Batch ID: **112902** TestNo: **E625.1** Units: **µg/L**
SampType: **LCSD** Run ID: **GCMS9_231113B** Analysis Date: **11/13/2023 4:26:00 PM** Prep Date: **11/13/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Hexachlorobenzene	34.7	5.00	40.00	0	86.7	10	152	10.9	50	
Hexachlorobutadiene	28.6	10.0	40.00	0	71.4	24	120	11.4	50	
Hexachloroethane	30.0	20.0	40.00	0	74.9	40	120	10.6	50	
Nitrobenzene	35.1	10.0	40.00	0	87.7	35	180	12.5	50	
N-Nitrosodiethylamine	29.9	20.0	40.00	0	74.8	20	125	14.5	50	
N-Nitrosodi-n-butylamine	36.3	20.0	40.00	0	90.8	20	125	11.0	50	
Pentachlorobenzene	32.5	20.0	40.00	0	81.3	40	140	9.71	50	
Pentachlorophenol	35.3	5.00	40.00	0	88.4	14	176	10.2	50	
Phenanthrene	34.7	10.0	40.00	0	86.9	54	120	11.9	39	
Pyridine	11.7	20.0	40.00	0	29.2	10	75	43.6	50	
1,2,4,5-Tetrachlorobenzene	30.4	20.0	40.00	0	76.0	30	140	10.5	50	
2,4,5-Trichlorophenol	36.0	10.0	40.00	0	90.1	25	125	11.3	50	
2-Chlorophenol	28.4	10.0	40.00	0	70.9	23	134	18.8	50	
2,4-Dichlorophenol	33.0	10.0	40.00	0	82.6	39	135	13.3	50	
2,4-Dinitrophenol	26.5	50.0	40.00	0	66.3	10	191	34.5	50	
2-Nitrophenol	34.8	10.0	40.00	0	86.9	29	182	10.7	50	
4-Nitrophenol	26.0	50.0	40.00	0	65.0	10	132	20.4	50	
Phenol	15.6	10.0	40.00	0	39.1	5	120	30.0	50	
2,4,6-Trichlorophenol	36.3	10.0	40.00	0	90.7	37	144	10.9	50	
3,4-Benzofluoranthene	38.0	10.0	40.00	0	95.0	24	159	13.2	50	
Acenaphthene	33.2	10.0	40.00	0	83.1	47	145	11.5	48	
Acenaphthylene	30.0	10.0	40.00	0	75.0	33	145	10.8	50	
Anthracene	34.1	10.0	40.00	0	85.2	27	133	11.7	50	
Benzo[g,h,i]perylene	38.5	20.0	40.00	0	96.2	10	219	17.7	50	
Benzo[k]fluoranthene	34.4	5.00	40.00	0	86.0	11	162	18.8	50	
Bis(2-chloroethoxy)methane	33.3	10.0	40.00	0	83.3	33	184	11.9	50	
Bis(2-chloroethyl)ether	32.2	10.0	40.00	0	80.6	12	158	12.3	50	
Bis(2-chloroisopropyl)ether	30.4	10.0	40.00	0	75.9	36	166	12.1	50	
Bis(2-ethylhexyl)phthalate	38.3	10.0	40.00	0	95.8	10	158	17.6	50	
4-Bromophenyl phenyl ether	36.4	10.0	40.00	0	91.0	53	127	11.5	43	
Butyl benzyl phthalate	37.5	10.0	40.00	0	93.8	10	152	10.4	50	
2-Chloronaphthalene	33.9	10.0	40.00	0	84.9	60	120	10.9	24	
4-Chlorophenyl phenyl ether	33.8	10.0	40.00	0	84.4	25	158	10.5	50	
Dibenzo(a,h)Anthracene	37.4	5.00	40.00	0	93.5	10	125	18.9	50	
3,3´-Dichlorobenzidine	31.1	5.00	40.00	0	77.8	10	262	13.4	50	
Diethyl phthalate	35.8	10.0	40.00	0	89.5	10	120	12.6	50	
Dimethyl phthalate	34.9	10.0	40.00	0	87.3	10	120	12.0	50	
Di-n-butyl phthalate	41.9	10.0	40.00	0	105	10	120	11.6	47	
2,4-Dinitrotoluene	35.8	10.0	40.00	0	89.4	39	139	11.7	42	
2,6-Dinitrotoluene	35.7	10.0	40.00	0	89.2	50	158	10.7	48	
Di-n-octyl phthalate	37.9	10.0	40.00	0	94.8	10	146	18.4	50	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_231113B

Sample ID: **LCSD-112902** Batch ID: **112902** TestNo: **E625.1** Units: **µg/L**
SampType: **LCSD** Run ID: **GCMS9_231113B** Analysis Date: **11/13/2023 4:26:00 PM** Prep Date: **11/13/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Diphenylhydrazine	35.8	20.0	40.00	0	89.5	40	140	11.6	50	
Fluoranthene	40.6	10.0	40.00	0	102	26	137	11.3	50	
Fluorene	35.1	10.0	40.00	0	87.8	59	121	11.5	38	
Hexachlorocyclopentadiene	31.9	10.0	40.00	0	79.9	8	130	6.48	50	
Indeno[1,2,3-cd]pyrene	36.7	5.00	40.00	0	91.7	10	171	18.3	50	
Isophorone	33.6	10.0	40.00	0	84.0	21	196	11.8	50	
Naphthalene	31.3	10.0	40.00	0	78.2	21	133	11.9	50	
N-Nitrosodimethylamine	15.7	20.0	40.00	0	39.3	10	125	19.8	50	
N-Nitrosodi-n-propylamine	34.6	20.0	40.00	0	86.5	10	230	12.1	50	
N-Nitrosodiphenylamine	33.9	20.0	40.00	0	84.8	20	125	11.4	50	
Pyrene	32.7	10.0	40.00	0	81.8	52	120	11.9	49	
1,2,4-Trichlorobenzene	30.8	10.0	40.00	0	77.0	44	142	11.3	50	
Phenols, Total	15.6	10.0	40.00	0	39.1	5	120	30.0	50	
Surr: 2,4,6-Tribromophenol	73.2		80.00		91.5	10	123	0	0	
Surr: 2-Fluorobiphenyl	62.8		80.00		78.5	43	116	0	0	
Surr: 2-Fluorophenol	38.8		80.00		48.5	21	100	0	0	
Surr: 4-Terphenyl-d14	56.0		80.00		70.0	33	141	0	0	
Surr: Nitrobenzene-d5	67.6		80.00		84.5	35	115	0	0	
Surr: Phenol-d5	28.6		80.00		35.8	10	94	0	0	

Sample ID: **SB-231113** Batch ID: **112902** TestNo: **E625.1** Units: **µg/L**
SampType: **SBLK** Run ID: **GCMS9_231113B** Analysis Date: **11/13/2023 5:34:00 PM** Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzidine	<5.00	50.0	0							
Benzo[a]anthracene	<2.00	5.00	0							
Benzo[a]pyrene	<2.00	5.00	0							
Chrysene	<2.00	5.00	0							
2,4-Dimethylphenol	<2.00	10.0	0							
4,6-Dinitro-o-cresol	<2.00	10.0	0							
p-Chloro-m-Cresol	<2.00	10.0	0							
p-Cresol	<2.00	10.0	0							
Hexachlorobenzene	<2.00	5.00	0							
Hexachlorobutadiene	<2.00	10.0	0							
Hexachloroethane	<2.00	20.0	0							
Nitrobenzene	<2.00	10.0	0							
N-Nitrosodiethylamine	<2.00	20.0	0							
N-Nitrosodi-n-butylamine	<2.00	20.0	0							
Pentachlorobenzene	<2.00	20.0	0							
Pentachlorophenol	<2.00	5.00	0							
Phenanthrene	<2.00	10.0	0							

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Brazos River Authority
Work Order: 2311075
Project: Sugarland New Territory

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_231113B

Sample ID: **SB-231113** Batch ID: **112902** TestNo: **E625.1** Units: **µg/L**
SampType: **SBLK** Run ID: **GCMS9_231113B** Analysis Date: **11/13/2023 5:34:00 PM** Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Pyridine	<4.00	20.0	0							
1,2,4,5-Tetrachlorobenzene	<2.00	20.0	0							
2,4,5-Trichlorophenol	<2.00	10.0	0							
2-Chlorophenol	<2.00	10.0	0							
2,4-Dichlorophenol	<2.00	10.0	0							
2,4-Dinitrophenol	<2.00	50.0	0							
2-Nitrophenol	<2.00	10.0	0							
4-Nitrophenol	<2.00	50.0	0							
Phenol	<2.00	10.0	0							
2,4,6-Trichlorophenol	<2.00	10.0	0							
3,4-Benzofluoranthene	<2.00	10.0	0							
Acenaphthene	<2.00	10.0	0							
Acenaphthylene	<2.00	10.0	0							
Anthracene	<2.00	10.0	0							
Benzo[g,h,i]perylene	<2.00	20.0	0							
Benzo[k]fluoranthene	<2.00	5.00	0							
Bis(2-chloroethoxy)methane	<2.00	10.0	0							
Bis(2-chloroethyl)ether	<2.00	10.0	0							
Bis(2-chloroisopropyl)ether	<2.00	10.0	0							
Bis(2-ethylhexyl)phthalate	<2.00	10.0	0							
4-Bromophenyl phenyl ether	<2.00	10.0	0							
Butyl benzyl phthalate	<4.00	10.0	0							
2-Chloronaphthalene	<2.00	10.0	0							
4-Chlorophenyl phenyl ether	<2.00	10.0	0							
Dibenzo(a,h)Anthracene	<2.00	5.00	0							
3,3´-Dichlorobenzidine	<2.00	5.00	0							
Diethyl phthalate	<4.00	10.0	0							
Dimethyl phthalate	<4.00	10.0	0							
Di-n-butyl phthalate	<4.00	10.0	0							
2,4-Dinitrotoluene	<2.00	10.0	0							
2,6-Dinitrotoluene	<2.00	10.0	0							
Di-n-octyl phthalate	<4.00	10.0	0							
1,2-Diphenylhydrazine	<2.00	20.0	0							
Fluoranthene	<2.00	10.0	0							
Fluorene	<2.00	10.0	0							
Hexachlorocyclopentadiene	<2.00	10.0	0							
Indeno[1,2,3-cd]pyrene	<2.00	5.00	0							
Isophorone	<2.00	10.0	0							
Naphthalene	<2.00	10.0	0							
N-Nitrosodimethylamine	<2.00	20.0	0							
N-Nitrosodi-n-propylamine	<2.00	20.0	0							

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

Sample ID: **SB-231113**	Batch ID: **112902**	TestNo: **E625.1**	Units: **µg/L**
SampType: **SBLK**	Run ID: **GCMS9_231113B**	Analysis Date: **11/13/2023 5:34:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
N-Nitrosodiphenylamine	<2.00	20.0	0							
Pyrene	<2.00	10.0	0							
1,2,4-Trichlorobenzene	<2.00	10.0	0							
Phenols, Total	<2.00	10.0	0							

Sample ID: **MB-112902**	Batch ID: **112902**	TestNo: **E625.1**	Units: **µg/L**
SampType: **MBLK**	Run ID: **GCMS9_231113B**	Analysis Date: **11/14/2023 11:31:00 A**	Prep Date: **11/13/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzidine	<5.00	50.0								
Benzo[a]anthracene	<2.00	5.00								
Benzo[a]pyrene	<2.00	5.00								
Chrysene	<2.00	5.00								
2,4-Dimethylphenol	<2.00	10.0								
4,6-Dinitro-o-cresol	<2.00	10.0								
p-Chloro-m-Cresol	<2.00	10.0								
p-Cresol	<2.00	10.0								
Hexachlorobenzene	<2.00	5.00								
Hexachlorobutadiene	<2.00	10.0								
Hexachloroethane	<2.00	20.0								
Nitrobenzene	<2.00	10.0								
N-Nitrosodiethylamine	<2.00	20.0								
N-Nitrosodi-n-butylamine	<2.00	20.0								
Pentachlorobenzene	<2.00	20.0								
Pentachlorophenol	<2.00	5.00								
Phenanthrene	<2.00	10.0								
Pyridine	<4.00	20.0								
1,2,4,5-Tetrachlorobenzene	<2.00	20.0								
2,4,5-Trichlorophenol	<2.00	10.0								
2-Chlorophenol	<2.00	10.0								
2,4-Dichlorophenol	<2.00	10.0								
2,4-Dinitrophenol	<2.00	50.0								
2-Nitrophenol	<2.00	10.0								
4-Nitrophenol	<2.00	50.0								
Phenol	<2.00	10.0								
2,4,6-Trichlorophenol	<2.00	10.0								
3,4-Benzofluoranthene	<2.00	10.0								
Acenaphthene	<2.00	10.0								
Acenaphthylene	<2.00	10.0								
Anthracene	<2.00	10.0								
Benzo[g,h,i]perylene	<2.00	20.0								

CLIENT: Brazos River Authority
Work Order: 2311075
Project: Sugarland New Territory

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_231113B

Sample ID: **MB-112902** Batch ID: **112902** TestNo: **E625.1** Units: **µg/L**
SampType: **MBLK** Run ID: **GCMS9_231113B** Analysis Date: **11/14/2023 11:31:00 A** Prep Date: **11/13/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzo[k]fluoranthene	<2.00	5.00								
Bis(2-chloroethoxy)methane	<2.00	10.0								
Bis(2-chloroethyl)ether	<2.00	10.0								
Bis(2-chloroisopropyl)ether	<2.00	10.0								
Bis(2-ethylhexyl)phthalate	<2.00	10.0								
4-Bromophenyl phenyl ether	<2.00	10.0								
Butyl benzyl phthalate	<4.00	10.0								
2-Chloronaphthalene	<2.00	10.0								
4-Chlorophenyl phenyl ether	<2.00	10.0								
Dibenzo(a,h)Anthracene	<2.00	5.00								
3,3´-Dichlorobenzidine	<2.00	5.00								
Diethyl phthalate	<4.00	10.0								
Dimethyl phthalate	<4.00	10.0								
Di-n-butyl phthalate	<4.00	10.0								
2,4-Dinitrotoluene	<2.00	10.0								
2,6-Dinitrotoluene	<2.00	10.0								
Di-n-octyl phthalate	<4.00	10.0								
1,2-Diphenylhydrazine	<2.00	20.0								
Fluoranthene	<2.00	10.0								
Fluorene	<2.00	10.0								
Hexachlorocyclopentadiene	<2.00	10.0								
Indeno[1,2,3-cd]pyrene	<2.00	5.00								
Isophorone	<2.00	10.0								
Naphthalene	<2.00	10.0								
N-Nitrosodimethylamine	<2.00	20.0								
N-Nitrosodi-n-propylamine	<2.00	20.0								
N-Nitrosodiphenylamine	<2.00	20.0								
Pyrene	<2.00	10.0								
1,2,4-Trichlorobenzene	<2.00	10.0								
Phenols, Total	<2.00	10.0								
Surr: 2,4,6-Tribromophenol	75.2		80.00		94.0	10	123			
Surr: 2-Fluorobiphenyl	62.8		80.00		78.5	43	116			
Surr: 2-Fluorophenol	41.2		80.00		51.5	21	100			
Surr: 4-Terphenyl-d14	59.8		80.00		74.8	33	141			
Surr: Nitrobenzene-d5	68.2		80.00		85.3	35	115			
Surr: Phenol-d5	28.0		80.00		35.0	10	94			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Brazos River Authority
Work Order: 2311075
Project: Sugarland New Territory

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_231113C

The QC data in batch 112902 applies to the following samples: 2311075-01H

Sample ID: **LCS-112902-NP**	Batch ID: **112902**			TestNo: **D7065-17**				Units: **µg/L**			
SampType: **LCS**	Run ID: **GCMS9_231113C**			Analysis Date: **11/13/2023 5:12:00 PM**				Prep Date: **11/13/2023**			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Technical Nonylphenol	960	100	1000	0	96.0	40	140			N	

Sample ID: **SB-231113**	Batch ID: **112902**			TestNo: **D7065-17**				Units: **µg/L**			
SampType: **SBLK**	Run ID: **GCMS9_231113C**			Analysis Date: **11/13/2023 5:34:00 PM**				Prep Date:			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Technical Nonylphenol	<70.0	100	0							N	

Sample ID: **MB-112902**	Batch ID: **112902**			TestNo: **D7065-17**				Units: **µg/L**			
SampType: **MBLK**	Run ID: **GCMS9_231113C**			Analysis Date: **11/14/2023 5:15:00 PM**				Prep Date: **11/13/2023**			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Technical Nonylphenol	<70.0	100								N	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Brazos River Authority
Work Order: 2311075
Project: Sugarland New Territory

ANALYTICAL QC SUMMARY REPORT

RunID: WC_231110B

The QC data in batch 112891 applies to the following samples: 2311075-01L

Sample ID: **MB-112891**	Batch ID: **112891**	TestNo: **E1664A**	Units: **mg/L**
SampType: **MBLK**	Run ID: **WC_231110B**	Analysis Date: **11/10/2023 4:30:00 PM**	Prep Date: **11/10/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Oil & Grease	2.08	5.21								

Sample ID: **LCS-112891**	Batch ID: **112891**	TestNo: **E1664A**	Units: **mg/L**
SampType: **LCS**	Run ID: **WC_231110B**	Analysis Date: **11/10/2023 4:30:00 PM**	Prep Date: **11/10/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Oil & Grease	37.3	5.28	42.25	0	88.3	78	114			

Sample ID: **LCSD-112891**	Batch ID: **112891**	TestNo: **E1664A**	Units: **mg/L**
SampType: **LCSD**	Run ID: **WC_231110B**	Analysis Date: **11/10/2023 4:30:00 PM**	Prep Date: **11/10/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Oil & Grease	36.4	5.24	41.92	0	86.8	78	114	2.50	18	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Brazos River Authority
Work Order: 2311075
Project: Sugarland New Territory

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS7_231108B

The QC data in batch 112850 applies to the following samples: 2311075-01A

Sample ID: **LCS-112850** Batch ID: **112850** TestNo: **E624.1** Units: **µg/L**
SampType: **LCS** Run ID: **GCMS7_231108B** Analysis Date: **11/8/2023 9:32:00 AM** Prep Date: **11/8/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	23.6	10.0	23.20	0	102	65	135			
Carbon tetrachloride	23.1	2.00	23.20	0	99.7	70	130			
Chlorobenzene	22.4	10.0	23.20	0	96.8	35	135			
Chloroform	23.1	2.00	23.20	0	99.6	70	135			
Chlorodibromomethane	21.3	5.00	23.20	0	91.8	70	135			
1,2-Dibromoethane	21.7	2.00	23.20	0	93.7	60	140			
1,2-Dichloroethane	22.5	5.00	23.20	0	97.0	70	130			
1,1-Dichloroethylene	23.4	5.00	23.20	0	101	50	150			
Methyl ethyl ketone	103	50.0	116.0	0	88.9	60	140			
Tetrachloroethylene	22.1	10.0	23.20	0	95.3	70	130			
Trichloroethene	23.3	5.00	23.20	0	101	65	135			
1,1,1-Trichloroethane	23.2	10.0	23.20	0	100	70	130			
Total THMs	86.9	10.0	92.80	0	93.7	60	140			
Vinyl chloride	21.0	10.0	23.20	0	90.6	5	195			
Acrolein	62.9	50.0	58.00	0	108	60	140			
Acrylonitrile	41.8	50.0	46.40	0	90.1	60	140			
1,1,2,2-Tetrachloroethane	20.8	10.0	23.20	0	89.4	60	140			
Bromoform	19.7	10.0	23.20	0	85.0	65	135			
Chloroethane	21.6	10.0	23.20	0	93.1	40	160			
2-Chloroethylvinylether	21.5	10.0	23.20	0	92.7	5	225			
Bromodichloromethane	22.8	5.00	23.20	0	98.4	65	135			
1,1-Dichloroethane	22.7	10.0	23.20	0	97.7	70	130			
1,2-Dichloropropane	22.0	10.0	23.20	0	94.9	35	165			
1,3-Dichloropropene (cis)	22.1	10.0	23.20	0	95.3	25	175			
1,3-Dichloropropene (trans)	21.8	10.0	23.20	0	94.0	50	150			
Ethylbenzene	22.4	10.0	23.20	0	96.6	60	140			
Methyl bromide	19.8	20.0	23.20	0	85.3	15	185			
Methyl chloride	19.0	20.0	23.20	0	81.9	5	205			
Methylene chloride (DCM)	23.0	5.00	23.20	0	99.0	60	140			
Toluene	23.5	10.0	23.20	0	101	70	130			
1,2-Trans-Dichloroethylene	23.8	2.00	23.20	0	102	70	130			
1,1,2-Trichloroethane	23.0	10.0	23.20	0	99.1	70	130			
m-Dichlorobenzene	22.2	5.00	23.20	0	95.8	70	130			
o-Dichlorobenzene	22.2	5.00	23.20	0	95.7	65	135			
p-Dichlorobenzene	22.1	5.00	23.20	0	95.3	65	135			
Surr: 1,2-Dichloroethane-d4	188		200.0		93.9	72	119			
Surr: 4-Bromofluorobenzene	197		200.0		98.7	76	119			
Surr: Dibromofluoromethane	198		200.0		99.2	85	115			
Surr: Toluene-d8	188		200.0		94.2	81	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Brazos River Authority
Work Order: 2311075
Project: Sugarland New Territory

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS7_231108B

Sample ID: **2310260-01BMS** Batch ID: **112850** TestNo: **E624.1** Units: **µg/L**
SampType: **MS** Run ID: **GCMS7_231108B** Analysis Date: **11/8/2023 9:58:00 AM** Prep Date: **11/8/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	239	100	232.0	0	103	37	151			
Carbon tetrachloride	233	20.0	232.0	0	100	70	140			
Chlorobenzene	231	100	232.0	0	99.6	37	160			
Chloroform	235	20.0	232.0	0	101	51	138			
Chlorodibromomethane	218	50.0	232.0	0	93.8	53	149			
1,2-Dibromoethane	217	20.0	232.0	0	93.5	40	160			
1,2-Dichloroethane	231	50.0	232.0	0	99.7	49	155			
1,1-Dichloroethylene	238	50.0	232.0	0	103	10	234			
Methyl ethyl ketone	1210	500	1160	0	104	40	160			
Tetrachloroethylene	219	100	232.0	0	94.4	64	148			
Trichloroethene	237	50.0	232.0	0	102	70	157			
1,1,1-Trichloroethane	232	100	232.0	0	100	52	162			
Total THMs	891	100	928.0	0	96.0	40	160			
Vinyl chloride	236	100	232.0	0	102	10	251			
Acrolein	647	500	580.0	0	112	40	160			
Acrylonitrile	429	500	464.0	0	92.5	40	160			
1,1,2,2-Tetrachloroethane	219	100	232.0	0	94.3	46	157			
Bromoform	207	100	232.0	0	89.4	45	169			
Chloroethane	248	100	232.0	0	107	14	230			
2-Chloroethylvinylether	280	100	232.0	0	121	5	273			
Bromodichloromethane	230	50.0	232.0	0	99.2	35	155			
1,1-Dichloroethane	226	100	232.0	0	97.5	59	155			
1,2-Dichloropropane	225	100	232.0	0	97.0	10	210			
1,3-Dichloropropene (cis)	228	100	232.0	0	98.5	10	227			
1,3-Dichloropropene (trans)	219	100	232.0	0	94.4	17	183			
Ethylbenzene	229	100	232.0	0	98.7	37	162			
Methyl bromide	226	200	232.0	0	97.2	10	242			
Methyl chloride	212	200	232.0	0	91.3	5	273			
Methylene chloride (DCM)	235	50.0	232.0	0	101	10	221			
Toluene	248	100	232.0	0	107	47	150			
1,2-Trans-Dichloroethylene	233	20.0	232.0	0	100	54	156			
1,1,2-Trichloroethane	232	100	232.0	0	100	52	150			
m-Dichlorobenzene	228	50.0	232.0	0	98.2	59	156			
o-Dichlorobenzene	230	50.0	232.0	0	99.2	18	190			
p-Dichlorobenzene	226	50.0	232.0	0	97.6	18	190			
Surr: 1,2-Dichloroethane-d4	1860		2000		92.9	72	119			
Surr: 4-Bromofluorobenzene	1970		2000		98.4	76	119			
Surr: Dibromofluoromethane	1980		2000		99.2	85	115			
Surr: Toluene-d8	1890		2000		94.7	81	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Brazos River Authority
Work Order: 2311075
Project: Sugarland New Territory

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS7_231108B

Sample ID: **2310260-01BMSD** Batch ID: **112850** TestNo: **E624.1** Units: **µg/L**
SampType: **MSD** Run ID: **GCMS7_231108B** Analysis Date: **11/8/2023 10:24:00 AM** Prep Date: **11/8/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	254	100	232.0	0	110	37	151	6.16	40	
Carbon tetrachloride	251	20.0	232.0	0	108	70	140	7.36	40	
Chlorobenzene	242	100	232.0	0	104	37	160	4.82	40	
Chloroform	251	20.0	232.0	0	108	51	138	6.37	40	
Chlorodibromomethane	231	50.0	232.0	0	99.7	53	149	6.10	40	
1,2-Dibromoethane	234	20.0	232.0	0	101	40	160	7.50	40	
1,2-Dichloroethane	244	50.0	232.0	0	105	49	155	5.47	40	
1,1-Dichloroethylene	251	50.0	232.0	0	108	10	234	5.56	32	
Methyl ethyl ketone	1120	500	1160	0	96.7	40	160	7.26	40	
Tetrachloroethylene	235	100	232.0	0	101	64	148	7.05	39	
Trichloroethene	252	50.0	232.0	0	109	70	157	6.34	40	
1,1,1-Trichloroethane	250	100	232.0	0	108	52	162	7.42	36	
Total THMs	948	100	928.0	0	102	40	160	6.23	40	
Vinyl chloride	223	100	232.0	0	96.1	10	251	5.49	40	
Acrolein	651	500	580.0	0	112	40	160	0.585	40	
Acrylonitrile	468	500	464.0	0	101	40	160	8.69	40	
1,1,2,2-Tetrachloroethane	232	100	232.0	0	100	46	157	5.86	40	
Bromoform	220	100	232.0	0	94.7	45	169	5.81	40	
Chloroethane	228	100	232.0	0	98.1	14	230	8.62	40	
2-Chloroethylvinylether	234	100	232.0	0	101	5	273	17.8	40	
Bromodichloromethane	246	50.0	232.0	0	106	35	155	6.60	40	
1,1-Dichloroethane	242	100	232.0	0	104	59	155	6.92	40	
1,2-Dichloropropane	240	100	232.0	0	103	10	210	6.41	40	
1,3-Dichloropropene (cis)	240	100	232.0	0	103	10	227	4.91	40	
1,3-Dichloropropene (trans)	236	100	232.0	0	102	17	183	7.39	40	
Ethylbenzene	244	100	232.0	0	105	37	162	6.30	40	
Methyl bromide	212	200	232.0	0	91.3	10	242	6.22	40	
Methyl chloride	194	200	232.0	0	83.8	5	273	8.52	40	
Methylene chloride (DCM)	246	50.0	232.0	0	106	10	221	4.74	28	
Toluene	260	100	232.0	0	112	47	150	4.53	40	
1,2-Trans-Dichloroethylene	254	20.0	232.0	0	110	54	156	8.66	40	
1,1,2-Trichloroethane	253	100	232.0	0	109	52	150	8.54	40	
m-Dichlorobenzene	249	50.0	232.0	0	107	59	156	8.81	40	
o-Dichlorobenzene	246	50.0	232.0	0	106	18	190	6.80	40	
p-Dichlorobenzene	239	50.0	232.0	0	103	18	190	5.25	40	
Surr: 1,2-Dichloroethane-d4	1860		2000		93.2	72	119	0	0	
Surr: 4-Bromofluorobenzene	1980		2000		99.2	76	119	0	0	
Surr: Dibromofluoromethane	1970		2000		98.7	85	115	0	0	
Surr: Toluene-d8	1900		2000		94.8	81	120	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Brazos River Authority
Work Order: 2311075
Project: Sugarland New Territory

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS7_231108B

Sample ID: **MB-112850** Batch ID: **112850** TestNo: **E624.1** Units: **µg/L**
SampType: **MBLK** Run ID: **GCMS7_231108B** Analysis Date: **11/8/2023 11:22:00 AM** Prep Date: **11/8/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	<1.00	10.0								
Carbon tetrachloride	<1.00	2.00								
Chlorobenzene	<1.00	10.0								
Chloroform	<1.00	2.00								
Chlorodibromomethane	<1.00	5.00								
1,2-Dibromoethane	<1.00	2.00								
1,2-Dichloroethane	<1.00	5.00								
1,1-Dichloroethylene	<1.00	5.00								
Methyl ethyl ketone	<15.0	50.0								
Tetrachloroethylene	<2.00	10.0								
Trichloroethene	<1.00	5.00								
1,1,1-Trichloroethane	<1.00	10.0								
Total THMs	<5.00	10.0								
Vinyl chloride	<1.00	10.0								
Acrolein	<5.00	50.0								
Acrylonitrile	<3.00	50.0								
1,1,2,2-Tetrachloroethane	<1.00	10.0								
Bromoform	<1.00	10.0								
Chloroethane	<2.00	10.0								
2-Chloroethylvinylether	<6.00	10.0								
Bromodichloromethane	<1.00	5.00								
1,1-Dichloroethane	<1.00	10.0								
1,2-Dichloropropane	<1.00	10.0								
1,3-Dichloropropene (cis)	<1.00	10.0								
1,3-Dichloropropene (trans)	<1.00	10.0								
Ethylbenzene	<1.00	10.0								
Methyl bromide	<5.00	20.0								
Methyl chloride	<1.00	20.0								
Methylene chloride (DCM)	<2.50	5.00								
Toluene	<2.00	10.0								
1,2-Trans-Dichloroethylene	<1.00	2.00								
1,1,2-Trichloroethane	<1.00	10.0								
m-Dichlorobenzene	<1.00	5.00								
o-Dichlorobenzene	<1.00	5.00								
p-Dichlorobenzene	<1.00	5.00								
Surr: 1,2-Dichloroethane-d4	197		200.0		98.3	72	119			
Surr: 4-Bromofluorobenzene	205		200.0		103	76	119			
Surr: Dibromofluoromethane	204		200.0		102	85	115			
Surr: Toluene-d8	204		200.0		102	81	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Brazos River Authority
Work Order: 2311075
Project: Sugarland New Territory

ANALYTICAL QC SUMMARY REPORT

RunID: WC_231115C

The QC data in batch 112940 applies to the following samples: 2311075-01C

Sample ID: **MB-112940**	Batch ID: **112940**	TestNo: **M4500-NH3-D**	Units: **mg/L**
SampType: **MBLK**	Run ID: **WC_231115C**	Analysis Date: **11/15/2023 10:13:00 A**	Prep Date: **11/15/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ammonia-N (As N)	<0.100	0.250								

Sample ID: **LCS-112940**	Batch ID: **112940**	TestNo: **M4500-NH3-D**	Units: **mg/L**
SampType: **LCS**	Run ID: **WC_231115C**	Analysis Date: **11/15/2023 10:12:59 A**	Prep Date: **11/15/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ammonia-N (As N)	4.69	0.250	5.000	0	93.8	80	120			

Sample ID: **LCSD-112940**	Batch ID: **112940**	TestNo: **M4500-NH3-D**	Units: **mg/L**
SampType: **LCSD**	Run ID: **WC_231115C**	Analysis Date: **11/15/2023 10:12:59 A**	Prep Date: **11/15/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ammonia-N (As N)	5.04	0.250	5.000	0	101	80	120	7.19	25	

Sample ID: **2311111-05BMS**	Batch ID: **112940**	TestNo: **M4500-NH3-D**	Units: **mg/L**
SampType: **MS**	Run ID: **WC_231115C**	Analysis Date: **11/15/2023 10:12:59 A**	Prep Date: **11/15/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ammonia-N (As N)	4.88	0.250	5.000	0	97.6	80	120			

Sample ID: **2311111-05BMSD**	Batch ID: **112940**	TestNo: **M4500-NH3-D**	Units: **mg/L**
SampType: **MSD**	Run ID: **WC_231115C**	Analysis Date: **11/15/2023 10:12:59 A**	Prep Date: **11/15/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ammonia-N (As N)	4.63	0.250	5.000	0	92.6	80	120	5.26	25	

Sample ID: **2311115-02AMS**	Batch ID: **112940**	TestNo: **M4500-NH3-D**	Units: **mg/L**
SampType: **MS**	Run ID: **WC_231115C**	Analysis Date: **11/15/2023 10:12:59 A**	Prep Date: **11/15/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ammonia-N (As N)	4.54	0.250	5.000	0	90.8	80	120			

Sample ID: **2311115-02AMSD**	Batch ID: **112940**	TestNo: **M4500-NH3-D**	Units: **mg/L**
SampType: **MSD**	Run ID: **WC_231115C**	Analysis Date: **11/15/2023 10:12:59 A**	Prep Date: **11/15/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ammonia-N (As N)	4.65	0.250	5.000	0	93.0	80	120	2.39	25	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Brazos River Authority
Work Order: 2311075
Project: Sugarland New Territory

ANALYTICAL QC SUMMARY REPORT

RunID: IC4_231108B

The QC data in batch 112853 applies to the following samples: 2311075-01F

Sample ID: **MB-112853**	Batch ID: **112853**	TestNo: **E300**	Units: **mg/L**
SampType: **MBLK**	Run ID: **IC4_231108B**	Analysis Date: **11/8/2023 12:02:24 PM**	Prep Date: **11/8/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	<0.300	1.00								
Fluoride	<0.100	0.400								
Nitrate-N	<0.100	0.500								
Sulfate	<1.00	3.00								

Sample ID: **LCS-112853**	Batch ID: **112853**	TestNo: **E300**	Units: **mg/L**
SampType: **LCS**	Run ID: **IC4_231108B**	Analysis Date: **11/8/2023 12:21:24 PM**	Prep Date: **11/8/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	9.80	1.00	10.00	0	98.0	90	110			
Fluoride	4.34	0.400	4.000	0	109	90	110			
Nitrate-N	4.86	0.500	5.000	0	97.2	90	110			
Sulfate	29.6	3.00	30.00	0	98.6	90	110			

Sample ID: **LCSD-112853**	Batch ID: **112853**	TestNo: **E300**	Units: **mg/L**
SampType: **LCSD**	Run ID: **IC4_231108B**	Analysis Date: **11/8/2023 12:40:24 PM**	Prep Date: **11/8/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	9.79	1.00	10.00	0	97.9	90	110	0.121	20	
Fluoride	4.37	0.400	4.000	0	109	90	110	0.591	20	
Nitrate-N	4.85	0.500	5.000	0	97.0	90	110	0.238	20	
Sulfate	29.7	3.00	30.00	0	99.0	90	110	0.335	20	

Sample ID: **2311074-01FMS**	Batch ID: **112853**	TestNo: **E300**	Units: **mg/L**
SampType: **MS**	Run ID: **IC4_231108B**	Analysis Date: **11/8/2023 7:39:00 PM**	Prep Date: **11/8/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	2180	100	2000	237.6	97.1	90	110			
Fluoride	2130	40.0	2000	0	106	90	110			
Nitrate-N	442	50.0	451.6	0	97.8	90	110			
Sulfate	1960	300	2000	0	97.9	90	110			

Sample ID: **2311074-01FMSD**	Batch ID: **112853**	TestNo: **E300**	Units: **mg/L**
SampType: **MSD**	Run ID: **IC4_231108B**	Analysis Date: **11/8/2023 7:58:00 PM**	Prep Date: **11/8/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	2180	100	2000	237.6	97.2	90	110	0.008	20	
Fluoride	2130	40.0	2000	0	107	90	110	0.270	20	
Nitrate-N	442	50.0	451.6	0	97.9	90	110	0.097	20	
Sulfate	1960	300	2000	0	97.8	90	110	0.098	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Brazos River Authority
Work Order: 2311075
Project: Sugarland New Territory

ANALYTICAL QC SUMMARY REPORT

RunID: IC4_231108B

Sample ID: **2311076-01FMS**	Batch ID: **112853**	TestNo: **E300**	Units: **mg/L**
SampType: **MS**	Run ID: **IC4_231108B**	Analysis Date: **11/8/2023 8:55:00 PM**	Prep Date: **11/8/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	2150	100	2000	199.8	97.3	90	110			
Fluoride	2110	40.0	2000	0	105	90	110			
Nitrate-N	453	50.0	451.6	14.82	97.0	90	110			
Sulfate	1980	300	2000	0	99.0	90	110			

Sample ID: **2311076-01FMSD**	Batch ID: **112853**	TestNo: **E300**	Units: **mg/L**
SampType: **MSD**	Run ID: **IC4_231108B**	Analysis Date: **11/8/2023 9:14:00 PM**	Prep Date: **11/8/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	2150	100	2000	199.8	97.5	90	110	0.203	20	
Fluoride	2130	40.0	2000	0	106	90	110	1.05	20	
Nitrate-N	453	50.0	451.6	14.82	97.1	90	110	0.075	20	
Sulfate	1980	300	2000	0	99.1	90	110	0.078	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Brazos River Authority
Work Order: 2311075
Project: Sugarland New Territory

ANALYTICAL QC SUMMARY REPORT

RunID: TITRATOR_231109B

The QC data in batch 112862 applies to the following samples: 2311075-01F

Sample ID: **MB-112862**	Batch ID: **112862**	TestNo: **M2320 B**	Units: **mg/L @ pH 4.53**
SampType: **MBLK**	Run ID: **TITRATOR_231109B**	Analysis Date: **11/9/2023 9:59:00 AM**	Prep Date: **11/9/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	<10.0	20.0								
Alkalinity, Carbonate (As CaCO3)	<10.0	20.0								
Alkalinity, Hydroxide (As CaCO3)	<10.0	20.0								
Alkalinity, Total (As CaCO3)	<10.0	20.0								

Sample ID: **LCS-112862**	Batch ID: **112862**	TestNo: **M2320 B**	Units: **mg/L @ pH 4.52**
SampType: **LCS**	Run ID: **TITRATOR_231109B**	Analysis Date: **11/9/2023 10:05:00 AM**	Prep Date: **11/9/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Total (As CaCO3)	51.0	20.0	50.00	0	102	74	129			

Sample ID: **LCSD-112862**	Batch ID: **112862**	TestNo: **M2320 B**	Units: **mg/L @ pH 4.53**
SampType: **LCSD**	Run ID: **TITRATOR_231109B**	Analysis Date: **11/9/2023 10:10:00 AM**	Prep Date: **11/9/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Total (As CaCO3)	51.2	20.0	50.00	0	102	74	129	0.470	20	

Sample ID: **2311074-01F-DUP**	Batch ID: **112862**	TestNo: **M2320 B**	Units: **mg/L @ pH 4.54**
SampType: **DUP**	Run ID: **TITRATOR_231109B**	Analysis Date: **11/9/2023 11:26:00 AM**	Prep Date: **11/9/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	206	20.0	0	210.2				1.87	20	
Alkalinity, Carbonate (As CaCO3)	<10.0	20.0	0	0				0	20	
Alkalinity, Hydroxide (As CaCO3)	<10.0	20.0	0	0				0	20	
Alkalinity, Total (As CaCO3)	206	20.0	0	210.2				1.87	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Brazos River Authority
Work Order: 2311075
Project: Sugarland New Territory

ANALYTICAL QC SUMMARY REPORT

RunID: UV/VIS_2_231114D

The QC data in batch 112914 applies to the following samples: 2311075-01C

Sample ID: **MB-112914**	Batch ID: **112914**	TestNo: **M4500-P E**	Units: **mg/L**
SampType: **MBLK**	Run ID: **UV/VIS_2_231114D**	Analysis Date: **11/14/2023 5:16:00 PM**	Prep Date: **11/14/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Phosphorus (As P)	<0.0400	0.100								

Sample ID: **LCS-112914**	Batch ID: **112914**	TestNo: **M4500-P E**	Units: **mg/L**
SampType: **LCS**	Run ID: **UV/VIS_2_231114D**	Analysis Date: **11/14/2023 5:16:00 PM**	Prep Date: **11/14/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Phosphorus (As P)	0.521	0.100	0.5000	0	104	80	120			

Sample ID: **LCSD-112914**	Batch ID: **112914**	TestNo: **M4500-P E**	Units: **mg/L**
SampType: **LCSD**	Run ID: **UV/VIS_2_231114D**	Analysis Date: **11/14/2023 5:16:00 PM**	Prep Date: **11/14/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Phosphorus (As P)	0.524	0.100	0.5000	0	105	80	120	0.574	20	

Sample ID: **2311129-02CMS**	Batch ID: **112914**	TestNo: **M4500-P E**	Units: **mg/L**
SampType: **MS**	Run ID: **UV/VIS_2_231114D**	Analysis Date: **11/14/2023 6:21:00 PM**	Prep Date: **11/14/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Phosphorus (As P)	0.684	0.100	0.5000	0.2080	95.2	80	120			

Sample ID: **2311129-02CMSD**	Batch ID: **112914**	TestNo: **M4500-P E**	Units: **mg/L**
SampType: **MSD**	Run ID: **UV/VIS_2_231114D**	Analysis Date: **11/14/2023 6:21:00 PM**	Prep Date: **11/14/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Phosphorus (As P)	0.686	0.100	0.5000	0.2080	95.6	80	120	0.292	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Brazos River Authority
Work Order: 2311075
Project: Sugarland New Territory

ANALYTICAL QC SUMMARY REPORT

RunID: UV/VIS_2_231116B

The QC data in batch 112958 applies to the following samples: 2311075-01D

Sample ID: **MB-112958**	Batch ID: **112958**	TestNo: **M4500-CN E**	Units: **mg/L**
SampType: **MBLK**	Run ID: **UV/VIS_2_231116B**	Analysis Date: **11/16/2023 3:39:00 PM**	Prep Date: **11/16/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Amenable to Chlorination	<0.0100	0.0200								
Cyanide, Total	<0.0100	0.0200								

Sample ID: **LCS-112958**	Batch ID: **112958**	TestNo: **M4500-CN E**	Units: **mg/L**
SampType: **LCS**	Run ID: **UV/VIS_2_231116B**	Analysis Date: **11/16/2023 3:40:00 PM**	Prep Date: **11/16/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Total	0.176	0.0200	0.2000	0	88.0	85	115			

Sample ID: **2311111-05CMS**	Batch ID: **112958**	TestNo: **M4500-CN E**	Units: **mg/L**
SampType: **MS**	Run ID: **UV/VIS_2_231116B**	Analysis Date: **11/16/2023 3:48:00 PM**	Prep Date: **11/16/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Total	0.178	0.0200	0.2000	0	88.9	79	114			

Sample ID: **2311111-05CMSD**	Batch ID: **112958**	TestNo: **M4500-CN E**	Units: **mg/L**
SampType: **MSD**	Run ID: **UV/VIS_2_231116B**	Analysis Date: **11/16/2023 3:48:00 PM**	Prep Date: **11/16/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Total	0.177	0.0200	0.2000	0	88.4	79	114	0.553	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Brazos River Authority
Work Order: 2311075
Project: Sugarland New Territory

ANALYTICAL QC SUMMARY REPORT

RunID: **UV/VIS_2_231117A**

The QC data in batch 112972 applies to the following samples: 2311075-03A

Sample ID: **MB-112972**	Batch ID: **112972**	TestNo: **M3500-Cr B**	Units: **µg/L**
SampType: **MBLK**	Run ID: **UV/VIS_2_231117A**	Analysis Date: **11/17/2023 11:16:00 A**	Prep Date: **11/17/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chromium (Hex)	<3.00	3.00								
Chromium (Tri)	<2.00	3.00								N

Sample ID: **LCS-112972**	Batch ID: **112972**	TestNo: **M3500-Cr B**	Units: **µg/L**
SampType: **LCS**	Run ID: **UV/VIS_2_231117A**	Analysis Date: **11/17/2023 11:16:00 A**	Prep Date: **11/17/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chromium (Hex)	100	3.00	100.0	0	100	85	115			

Sample ID: **LCSD-112972**	Batch ID: **112972**	TestNo: **M3500-Cr B**	Units: **µg/L**
SampType: **LCSD**	Run ID: **UV/VIS_2_231117A**	Analysis Date: **11/17/2023 11:16:00 A**	Prep Date: **11/17/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chromium (Hex)	101	3.00	100.0	0	101	85	115	0.784	15	

Sample ID: **2311074-03AMS**	Batch ID: **112972**	TestNo: **M3500-Cr B**	Units: **µg/L**
SampType: **MS**	Run ID: **UV/VIS_2_231117A**	Analysis Date: **11/17/2023 11:19:00 A**	Prep Date: **11/17/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chromium (Hex)	84.7	3.00	100.0	0	84.7	85	115			

Sample ID: **2311074-03AMSD**	Batch ID: **112972**	TestNo: **M3500-Cr B**	Units: **µg/L**
SampType: **MSD**	Run ID: **UV/VIS_2_231117A**	Analysis Date: **11/17/2023 11:19:00 A**	Prep Date: **11/17/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chromium (Hex)	91.9	3.00	100.0	0	91.9	85	115	8.09	15	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Brazos River Authority
Work Order: 2311075
Project: Sugarland New Territory

ANALYTICAL QC SUMMARY REPORT

RunID: WC_231109B

The QC data in batch 112878 applies to the following samples: 2311075-01F

Sample ID: **MB-112878**	Batch ID: **112878**	TestNo: **M2510 B**	Units: **µmhos/cm @25°C**
SampType: **MBLK**	Run ID: **WC_231109B**	Analysis Date: **11/9/2023 3:25:00 PM**	Prep Date: **11/9/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Specific Conductance	<10.0	10.0								

Sample ID: **LCS-112878**	Batch ID: **112878**	TestNo: **M2510 B**	Units: **µmhos/cm @25°C**
SampType: **LCS**	Run ID: **WC_231109B**	Analysis Date: **11/9/2023 3:25:00 PM**	Prep Date: **11/9/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Specific Conductance	1400	10.0	1413	0	98.7	95	105			

Sample ID: **2311076-01F-DUP**	Batch ID: **112878**	TestNo: **M2510 B**	Units: **µmhos/cm @25°C**
SampType: **DUP**	Run ID: **WC_231109B**	Analysis Date: **11/9/2023 3:25:00 PM**	Prep Date: **11/9/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Specific Conductance	1260	10.0	0	1255				0.635	2	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Brazos River Authority
Work Order: 2311075
Project: Sugarland New Territory

ANALYTICAL QC SUMMARY REPORT

RunID: WC_231109D

The QC data in batch 112865 applies to the following samples: 2311075-01G

Sample ID: **MB-112865**	Batch ID: **112865**	TestNo: **M2540D**	Units: **mg/L**
SampType: **MBLK**	Run ID: **WC_231109D**	Analysis Date: **11/9/2023 2:25:00 PM**	Prep Date: **11/9/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter	<2.50	2.50								

Sample ID: **LCS-112865**	Batch ID: **112865**	TestNo: **M2540D**	Units: **mg/L**
SampType: **LCS**	Run ID: **WC_231109D**	Analysis Date: **11/9/2023 2:25:00 PM**	Prep Date: **11/9/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter	90.0	25.0	100.0	0	90.0	85	115			

Sample ID: **LCSD-112865**	Batch ID: **112865**	TestNo: **M2540D**	Units: **mg/L**
SampType: **LCSD**	Run ID: **WC_231109D**	Analysis Date: **11/9/2023 2:25:00 PM**	Prep Date: **11/9/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter	92.0	25.0	100.0	0	92.0	85	115	2.20	5	

Sample ID: **2311065-02E-DUP**	Batch ID: **112865**	TestNo: **M2540D**	Units: **mg/L**
SampType: **DUP**	Run ID: **WC_231109D**	Analysis Date: **11/9/2023 2:25:00 PM**	Prep Date: **11/9/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter	36.5	6.25	0	35.75				2.08	5	

Sample ID: **2311065-03E-DUP**	Batch ID: **112865**	TestNo: **M2540D**	Units: **mg/L**
SampType: **DUP**	Run ID: **WC_231109D**	Analysis Date: **11/9/2023 2:25:00 PM**	Prep Date: **11/9/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter	26.8	6.25	0	25.75				3.81	5	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Brazos River Authority
Work Order: 2311075
Project: Sugarland New Territory

ANALYTICAL QC SUMMARY REPORT

RunID: WC_231109E

The QC data in batch 112877 applies to the following samples: 2311075-01F

Sample ID: **MB-112877**	Batch ID: **112877**	TestNo: **M2540C**	Units: **mg/L**
SampType: **MBLK**	Run ID: **WC_231109E**	Analysis Date: **11/9/2023 5:05:00 PM**	Prep Date: **11/9/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	<10.0	10.0								

Sample ID: **LCS-112877**	Batch ID: **112877**	TestNo: **M2540C**	Units: **mg/L**
SampType: **LCS**	Run ID: **WC_231109E**	Analysis Date: **11/9/2023 5:05:00 PM**	Prep Date: **11/9/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	748	10.0	745.6	0	100	90	113			

Sample ID: **2311111-04D-DUP**	Batch ID: **112877**	TestNo: **M2540C**	Units: **mg/L**
SampType: **DUP**	Run ID: **WC_231109E**	Analysis Date: **11/9/2023 5:05:00 PM**	Prep Date: **11/9/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	2040	50.0	0	2125				4.08	5	

Sample ID: **2311111-05D-DUP**	Batch ID: **112877**	TestNo: **M2540C**	Units: **mg/L**
SampType: **DUP**	Run ID: **WC_231109E**	Analysis Date: **11/9/2023 5:05:00 PM**	Prep Date: **11/9/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	156	10.0	0	154.0				1.29	5	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Brazos River Authority
Work Order: 2311075
Project: Sugarland New Territory

ANALYTICAL QC SUMMARY REPORT

RunID: WC_231115C

The QC data in batch 112940 applies to the following samples: 2311075-01C

Sample ID: **MB-112940**	Batch ID: **112940**	TestNo: **M4500-NH3-D**	Units: **mg/L**
SampType: **MBLK**	Run ID: **WC_231115C**	Analysis Date: **11/15/2023 10:13:00 A**	Prep Date: **11/15/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ammonia-N (As N)	<0.100	0.250								

Sample ID: **LCS-112940**	Batch ID: **112940**	TestNo: **M4500-NH3-D**	Units: **mg/L**
SampType: **LCS**	Run ID: **WC_231115C**	Analysis Date: **11/15/2023 10:12:59 A**	Prep Date: **11/15/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ammonia-N (As N)	4.69	0.250	5.000	0	93.8	80	120			

Sample ID: **LCSD-112940**	Batch ID: **112940**	TestNo: **M4500-NH3-D**	Units: **mg/L**
SampType: **LCSD**	Run ID: **WC_231115C**	Analysis Date: **11/15/2023 10:12:59 A**	Prep Date: **11/15/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ammonia-N (As N)	5.04	0.250	5.000	0	101	80	120	7.19	25	

Sample ID: **2311111-05BMS**	Batch ID: **112940**	TestNo: **M4500-NH3-D**	Units: **mg/L**
SampType: **MS**	Run ID: **WC_231115C**	Analysis Date: **11/15/2023 10:12:59 A**	Prep Date: **11/15/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ammonia-N (As N)	4.88	0.250	5.000	0	97.6	80	120			

Sample ID: **2311111-05BMSD**	Batch ID: **112940**	TestNo: **M4500-NH3-D**	Units: **mg/L**
SampType: **MSD**	Run ID: **WC_231115C**	Analysis Date: **11/15/2023 10:12:59 A**	Prep Date: **11/15/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ammonia-N (As N)	4.63	0.250	5.000	0	92.6	80	120	5.26	25	

Sample ID: **2311115-02AMS**	Batch ID: **112940**	TestNo: **M4500-NH3-D**	Units: **mg/L**
SampType: **MS**	Run ID: **WC_231115C**	Analysis Date: **11/15/2023 10:12:59 A**	Prep Date: **11/15/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ammonia-N (As N)	4.54	0.250	5.000	0	90.8	80	120			

Sample ID: **2311115-02AMSD**	Batch ID: **112940**	TestNo: **M4500-NH3-D**	Units: **mg/L**
SampType: **MSD**	Run ID: **WC_231115C**	Analysis Date: **11/15/2023 10:12:59 A**	Prep Date: **11/15/2023**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ammonia-N (As N)	4.65	0.250	5.000	0	93.0	80	120	2.39	25	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

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

Project
1080455

DHL1-C

DHL Analytical
John Dupont
2300 Double Creek Dr
Round Rock, TX 78664

Printed 11/16/2023 9:17

TABLE OF CONTENTS

2311075

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

Report Name	Description	Pages
1080455_r00_00__TRRPcover	SPL Kilgore Project P:1080455 C:DHL1 TRRP Project Report Cover Page	1
1080455_r02_01_ProjectSamples	SPL Kilgore Project P:1080455 C:DHL1 Project Sample Cross Reference t:304	1
1080455_r02_03_ProjectPrep	SPL Kilgore Project P:1080455 C:DHL1 Project Preparation And QCgroup (Set) Listings t:304	1
1080455_r03_01_ProjectHold	SPL Kilgore Project P:1080455 C:DHL1 Project Holding Time Compliance	1
1080455_r03_03_ProjectResults	SPL Kilgore Project P:1080455 C:DHL1 Project Results t:304 PO: 20479	2
1080455_r03_06_O_ProjectTRRP	SPL Kilgore Project P:1080455 C:DHL1 Project TRRP Results Report for Class O	2
1080455_r10_01_ProjectQCgroup	SPL Kilgore Project P:1080455 C:DHL1 Project Sample QCgroup Reference	1
1080455_r10_05_ProjectQC	SPL Kilgore Project P:1080455 C:DHL1 Project Quality Control Groups	1
1080455_r99_09_CoC__1_of_1	SPL Kilgore CoC DHL1 1080455_1_of_1	2
1080455_SETQA_1090562_1090977	SPL Kilgore Project P:1080455 C:DHL1 Project Quality Control TRRP-13 Check Lists 1090562_1090977	2
1080455_SETQA_er_1090562_1090977	SPL Kilgore Project P:1080455 C:DHL1 Project Quality Control TRRP-13 Check List Error Report 1090562_1090977	1
	Total Pages:	15

Email: Kilgore.projectmanager@spl-inc.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

1

LABORATORY DATA PACKAGE COVER PAGE

Project
1080455

2311075

This data package consists of:

☑ This signature page, the laboratory review checklist, and the following reportable data:

☑ R1 Field chain-of-custody documentation;

☑ R2 Sample identification cross-reference;

☑ R3 Test reports (analytical data sheets) for each environmental sample that includes:
- a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
- b) dilution factors,
- c) preparation methods,
- d) cleanup methods, and
- e) if required for the project, tentatively identified compounds (TICs).

☑ R4 Surrogate recovery data including: (R4 - R8: See QC Report)
- a) Calculated recovery (%R), and
- b) The laboratory's surrogate QC limits.

☑ R5 Test reports/summary forms for blank samples;

☑ R6 Test reports/summary forms for laboratory control samples (LCSs) including:
- a) LCS spiking amounts,
- b) Calculated %R for each analyte, and
- c) The laboratory's LCS QC limits.

☑ R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
- a) Samples associated with the MS/MSD clearly identified,
- b) MS/MSD spiking amounts,
- c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
- d) Calculated %Rs and relative percent differences (RPDs), and
- e) The laboratory's MS/MSD QC limits

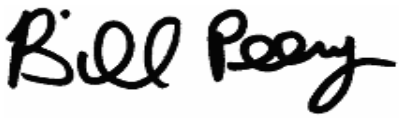
☑ R8 Laboratory analytical duplicate (if applicable) recovery and precision:
- a) the amount of analyte measured in the duplicate,
- b) the calculated RPD, and
- c) the laboratory's QC limits for analytical duplicates.

☑ R9 List of method quantitation limits (MQLs) for each analyte for each method and matrix; See Results Summary

☑ R10 Other problems or anomalies.

☑ The Exception Report for every "No" or "Not Reviewed (NR)" item in laboratory review checklist.

Release Statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By me signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.



Name	Signature	Official Title	Date
Bill Peery (WJP)		VP Technical Services	11/16/2023

Email: Kilgore.projectmanager@spl-inc.com

Central TX Region: 8101 Cameron Rd - Ste 305 Austin TX 78754

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

1
2

SAMPLE CROSS REFERENCE

Project
1080455

Printed 11/16/2023
2311075

DHL Analytical
John Dupont
2300 Double Creek Dr
Round Rock, TX 78664

Sample	Sample ID	Taken	Time	Received
2247599	*Permit Outfall*	11/07/2023	07:59:00	11/10/2023

Bottle 01 Client Supplied Amber Glass
Bottle 02 Prepared Bottle: 2 mL Autosampler Vial (Batch 1090562) Volume: 10.00000 mL <== Derived from 01 (517 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 615	02	1090562	11/13/2023	1090977	11/15/2023

Email: Kilgore.projectmanager@spl-inc.com

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

SAMPLE PREPARATION

11/16/2023 Page 1 of 1

Project
1080455

DHL Analytical
John Dupont
2300 Double Creek Dr
Round Rock, TX 78664

2311075

Prep Set # 1090562 11/13/2023

Analytical Set # 1090977 EPA 615 11/15/2023

Sample	Sample ID	Bottle
2247599	Permit Outfall	02

Email: Kilgore.projectmanager@spl-inc.com

Central TX Region: 8101 Cameron Rd - Ste 305 Austin TX 78754

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

HOLDING TIME COMPLIANCE

Project
1080455

DHL Analytical
John Dupont
2300 Double Creek Dr
Round Rock, TX 78664

2311075

Name	Method	Taken:	Received	Analyzed	Hold	Elapsed
	2247599	11/7/23 7:59	11/10/2023			
Herbicides by GC	EPA 615			11/15/23 10:00	45.00	8.00
Esterification of Sample	EPA 615			11/13/23 14:30	7.00	6.00

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

DHL1-C

Project
1080455

DHL Analytical
John Dupont
2300 Double Creek Dr
Round Rock, TX 78664

Printed: 11/16/2023

2311075

RESULTS

Sample Results

2247599 **Permit Outfall** Received: 11/10/2023

Non-Potable Water Collected by: Client DHL Analytical PO: 20479
Taken: 11/07/2023 07:59:00

EPA 615 Prepared: 1090562 11/13/2023 14:30:00 Analyzed 1090977 11/15/2023 10:00:00 BLF

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	2,4 Dichlorophenoxyacetic acid	<0.967	ug/L	0.967	X	94-75-7	02
NELAC	2,4,5-TP (Silvex)	<0.580	ug/L	0.580	X	93-72-1	02

Sample Preparation

2247599 **Permit Outfall** Received: 11/10/2023

20479

11/07/2023

Prepared: 11/13/2023 12:02:52 Calculated 11/13/2023 12:02:52 CAL

z	Environmental Fee (per Project)	Verified						

EPA 615 Prepared: 1090562 11/13/2023 14:30:00 Analyzed 1090562 11/13/2023 14:30:00 MCC

NELAC	Esterification of Sample	10/517	ml					01

EPA 615 Prepared: 1090562 11/13/2023 14:30:00 Analyzed 1090977 11/15/2023 10:00:00 BLF

NELAC	Herbicides by GC	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

DHL1-C

DHL Analytical
John Dupont
2300 Double Creek Dr
Round Rock, TX 78664

Project
1080455

Printed: 11/16/2023

Qualifiers:

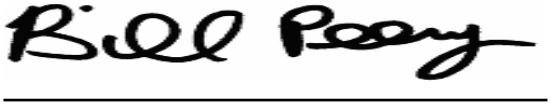
X - Standard reads higher than desired.

We report results on an As Received (or Wet) basis unless marked Dry Weight.

Unless otherwise noted, testing was performed at SPL, Inc.- Kilgore laboratory which holds International, Federal, and state accreditations. Please see our Websites for details.

(N)ELAC - Covered in our NELAC scope of accreditation
z -- Not covered by our NELAC scope of accreditation

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of SPL Kilgore. Unless otherwise specified, these test results meet the requirements of NELAC.
RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.



Bill Peery, MS, VP Technical Services

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

RESULTS

Project
1080455

DHL1

Printed 11/16/2023

DHL Analytical
John Dupont
2300 Double Creek Dr
Round Rock, TX 78664

2311075

CAS	Parameter	Results	MDL	SDL	MQL	MQLAdj	Flag	Units	Target	Bottle	Dilute
Non-Potable Water	**Organics**									**EPA 615**	
2247599	**Permit Outfall**										
		Collection:	11/07/2023	07:59:00	Client				*Received:*	11/10/2023	
	Prepared: *1090562*			*Analyzed:*	*1090977*			11/15/23	10:00:00		
94-75-7	**2,4 Dichlorophenoxyacetic acid**	**ND**	0.159	0.308	0.500	0.967	X	**ug/L**	0.700	02	1.93
93-72-1	**2,4,5-TP (Silvex)**	**ND**	0.0893	0.173	0.300	0.580	X	**ug/L**	0.300	02	1.93

MDL is Method Detection Limit (40 CFR 136 Appendix B)
SDL is Sample Detection Limit and is the adjusted MDL (sample specific dilutions, dry weight)
MQL is the Method Quantitation Limit and corresponds to a low standard
MQLADJ is the Adjusted Method Quantitation Limit (dilutions, dry weight)

Qualifiers:

X - Standard reads higher than desired.

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

Email: Kilgore.projectmanager@spl-inc.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

RESULTS

Project
1080455

Printed 11/16/2023

2311075

DHL1

DHL Analytical
John Dupont
2300 Double Creek Dr
Round Rock, TX 78664

Bill Peery

Bill Peery, MS, VP Technical Services

Email: Kilgore.projectmanager@spl-inc.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

QC GROUPS

11/16/2023

Project
1080455

DHL Analytical
John Dupont
2300 Double Creek Dr
Round Rock, TX 78664

	Test	*QCgroup*	*Analyzed*	
	ESRL	1,090,562	11/13/2023	
1545	HP 5890A - ECD5890 w/autosampler	HP		3336A57718
	!HER	1,090,977	11/15/2023	

QUALITY CONTROL

DHL1-C

DHL Analytical
John Dupont
2300 Double Creek Dr
Round Rock, TX 78664

Project
1080455

Printed 11/16/2023

Analytical Set 1090977 EPA 615

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
2,4 Dichlorophenoxyacetic acid	1090562	ND	0.159	0.500	ug/L	125647468
2,4,5-TP (Silvex)	1090562	ND	0.0893	0.300	ug/L	125647468

CCV

Parameter	Reading	Known	Units	Recover%	Limits%		File
2,4 Dichlorophenoxyacetic acid	156	150	ug/L	104	80.0 - 115		125647467
2,4 Dichlorophenoxyacetic acid	192	150	ug/L	128	80.0 - 115	*	125649118
2,4,5-TP (Silvex)	151	150	ug/L	100	80.0 - 115		125647467
2,4,5-TP (Silvex)	187	150	ug/L	125	80.0 - 115	*	125649118

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
2,4 Dichlorophenoxyacetic acid	1090562	0.888	1.08	1.00	0.100 - 319	88.8	108	ug/L	19.5	30.0
2,4,5-TP (Silvex)	1090562	0.905	1.08	1.00	0.100 - 244	90.5	108	ug/L	17.6	30.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
2,4-Dichlorophenylacetic Acid		CCV	154	200	ug/L	77.0	0.100 - 313	125647467
2,4-Dichlorophenylacetic Acid		CCV	192	200	ug/L	96.0	0.100 - 313	125649118
2,4-Dichlorophenylacetic Acid	1090562	Blank	101	200	ug/L	50.5	0.100 - 313	125647468
2,4-Dichlorophenylacetic Acid	1090562	LCS	130	200	ug/L	65.0	0.100 - 313	125647469
2,4-Dichlorophenylacetic Acid	1090562	LCS Dup	147	200	ug/L	73.5	0.100 - 313	125649117
2,4-Dichlorophenylacetic Acid	2247599	Unknown	4.41	3.87	ug/L	114	0.100 - 313	125647477

* 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.); Surrogate - Surrogate (mimics the analyte of interest but is unlikely to be found in environmental samples; added to analytical samples for QC purposes. **ANSI/ASQC E4 1994 Ref #4 TRADE QA Resources Guide.)

DHL Analytical, Inc.
2300 Double Creek Drive
Round Rock, TX 78664
TEL: *(512) 388-8222* FAX:

CHAIN-OF-CUSTODY RECORD

Work Order: 2311075

Subcontractor:

SPL Laboratory Kilgore
2600 Dudley Rd
Kilgore, TX 75662

TEL: (903) 984-0551
FAX:
Acct #:

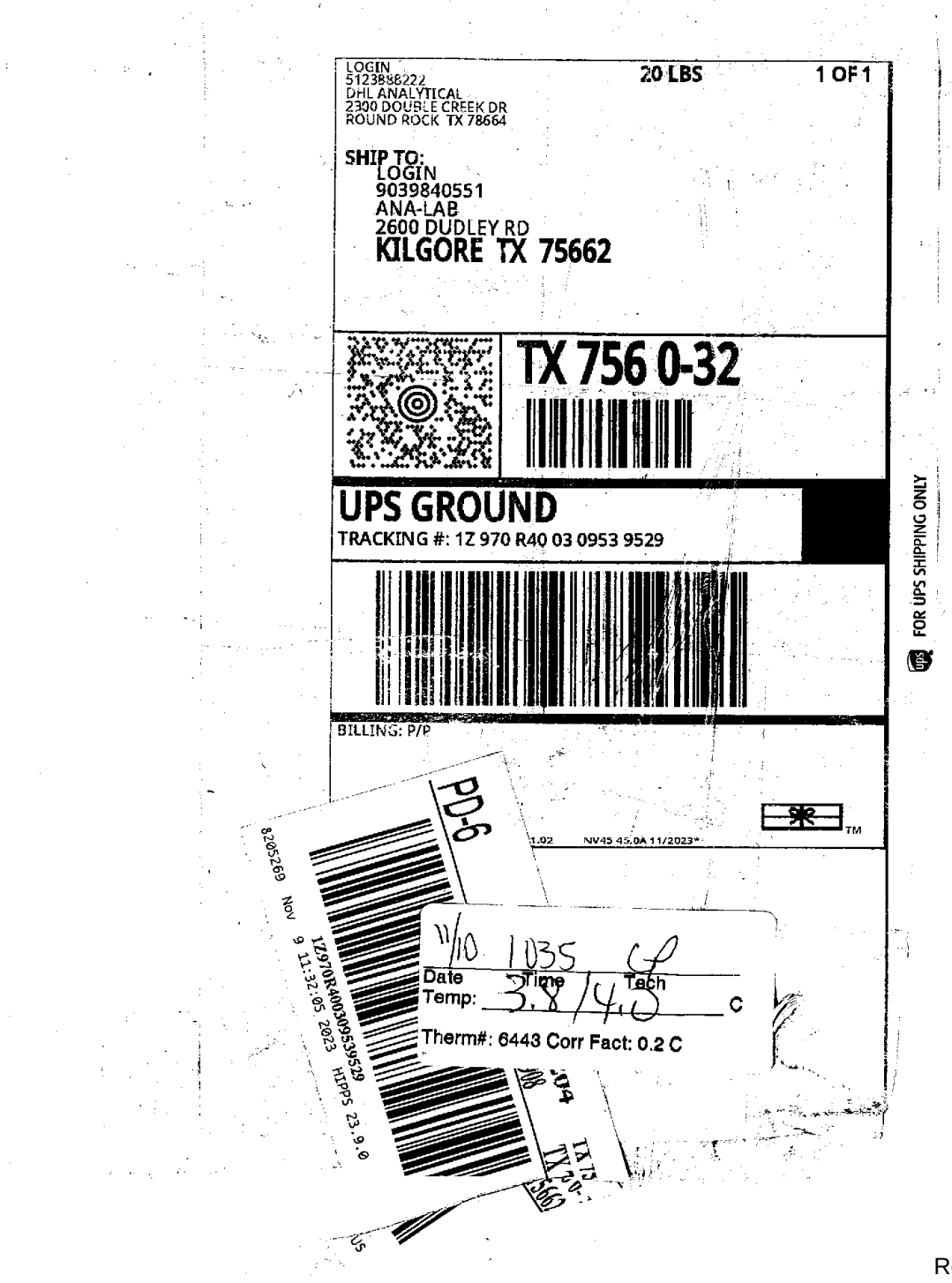
08-Nov-23

Sample ID	Matrix	DHL#	Date Collected	Bottle Type	Requested Tests: Herb_W E615
Permit Outfall	Aqueous	01M	11/07/23 07:59 AM	500AMGU	2

2 2 4 7 5 5 4

General Comments: Please analyze these samples with a Standard Turnaround Time.
Quality Control Package Needed: Standard - SEND PDF & Excel EDD Please
EMAIL report to both cac@dhlanalytical.com & dupont@dhlanalytical.com
Call John DuPont if you have questions.

		Date/Time			Date/Time
Relinquished by:		11/8/23 1800	Received by:	UPS	11/8/23 1800
Relinquished by:	UPS	11/10/23 1020	Received by:	Raytheon	11/10/23 1020


LOGIN
5123886222
DHL ANALYTICAL
2300 DOUBLE CREEK DR
ROUND ROCK TX 78664
20 LBS
1 OF 1
SHIP TO:
LOGIN
9039840551
ANA-LAB
2600 DUDLEY RD
KILGORE TX 75662
TX 756 0-32
UPS GROUND
TRACKING #: 1Z 970 R40 03 0953 9529
BILLING: P/P
FOR UPS SHIPPING ONLY
PD-6
11/10 1035 CP
Date Time Tech
Temp: 3.8/4.5 C
Therm#: 6443 Corr Fact: 0.2 C

Appendix A:		Laboratory Review Checklist: Reportable Data						
Laboratory Name: SPL Kilgore			LRC Date: 11/16/2023					
Project Name: 2311075			Laboratory Job (Project) Number: 1080455					
Reviewer Name: Bill Peery (WJP)			PrepSet: 1090562 QCgroup: 1090977					
#	A	Description	Yes	No	NA	NR	ER#	
R01	OI	**Chain-of-Custody (C-O-C)**						
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?				X	1	
		Were all departures from standard conditions described in the exception report?	X					
R02	OI	**Sample and Quality Control (QC) Identification**						
		Are all field sample ID numbers cross referenced to the laboratory ID numbers?	X					
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X					
R03	OI	**Test Reports**						
		Were all samples prepared and analyzed within holding times?	X					
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X					
		Were calculations checked by a peer or supervisor?	X					
		Were all analyte identifications checked by a peer or supervisor?	X					
		Were sample quantitation limits reported for all analytes not detected?	X					
		Were all results for soil and sediment samples reported on a dry weight basis?			X			
		Were % moisture (or solids) reported for all soil and sediment samples?			X			
		If required for the project, tentatively identified compounds reported?			X			
R04	O	**Surrogate Recovery Data**						
		Were surrogates added prior to extraction?	X					
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X					
R05	OI	**Test Reports/Summary Forms for Blank Samples**						
		Were appropriate type(s) of blanks analyzed?	X					
		Were blanks analyzed at the appropriate frequency?	X					
		Were blank concentrations < MQL?	X					
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X					
R06	OI	**Laboratory Control Samples (LCS)**						
		Were all chemicals of concern included in the LCS?			X			
		Was each LCS taken though the entire analytical procedure, including prep and cleanup steps?			X			
		Were LCSs analyzed at the required frequency?			X			
		Were LCS (and LCS duplicate, if applicable) %Rs within the laboratory QC limits?	X					
		Does the detectability data document the laboratory's capability to detect the chemicals of concern at the MDL used to calculate the SQLs?	X					
		Was the LCS duplicate relative percent difference within QC limits?	X					
R07		**Matrix Spike (MS) and Matrix Spike Duplicate (MSD) data**						
		Were the project/method specified analytes included in the MS and MSD?			X			
		Were MS/MSD analyzed at the appropriate frequency?			X			
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?			X			
		Were MS/MSD RPDs within laboratory QC limits?			X			
R08	OI	**Analytical Duplicate Data**						
		Were appropriate analytical duplicates analyzed for each matrix?			X			
		Were analytical duplicates analyzed at the appropriate frequency?			X			
		Were RPDs or relative standard deviations within the laboratory QC limits?			X			
R09	OI	**Method Quantitation Limits (MQLs)**						
		Are the MQLs for each method analyte included in the laboratory data package?	X					
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X					
		Are unadjusted MQLs included in the laboratory data package?	X					
R10	OI	**Other Problems/Anomalies**						
		Are all known problems/anomalies/special condition noted in this LRC and ER?	X					
		Were all necessary corrective actions preformed for the reported data?	X					
		Was applicable and available technology used to lower the SQL and minimize the matrix interference effects on the sample results?	X					

Appendix A:		Laboratory Review Checklist: Reportable Data						
Laboratory Name: SPL Kilgore			LRC Date: 11/16/2023					
Project Name: 2311075			Laboratory Job (Project) Number: 1080455					
Reviewer Name: Bill Peery (WJP)			PrepSet: 1090562 QCgroup: 1090977					
#	A	Description	Yes	No	NA	NR	ER#	
S01	OI	**Initial Calibration (ICAL)**						
		Were response factors and/or relative response factors for each analyte within QC limits?	X					
		Were percent RSDs or correlation coefficient criteria met?	X					
		Was the number of standards recommended in the method used for all analytes?	X					
		Were all points generated between the lowest and highest standard used to calculate the curve?	X					
		Are ICAL data available for all instruments used?	X					
		Has the initial calibration curve been verified using an appropriate second source standard?	X					
S02	OI	**Initial and Continuing Calibration Verification (ICCV and CCV) and Continuing Calibration**						
		Was the CCV analyzed at the method-required frequency?	X					
		Were percent differences for each analyte within the method-required QC limits?		X			2	
		Was the ICAL curve verified for each analyte?	X					
		Was the absolute value of the analyte concentration in the inorganic CCB < MQL?			X			
S03	O	**Mass Spectral Tuning**						
		Was the appropriate compound for the method used for tuning?			X			
		Were ion abundance data within the method-required QC limits?			X			
S04	O	**Internal Standards (IS)**						
		Were IS area counts and retention times within the method-required QC limits?			X			
S05	OI	**Raw Data (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section . . .)**						
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X					
		Were data associated with manual integrations flagged on the raw data?	X					
S06	O	**Dual Column Confirmation**						
		Did dual column confirmation results meet the method-required QC?	X					
S07	O	**Tentatively Identified Compounds (TICs)**						
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X			
S08	I	**Interference Check Sample (ICS) Results**						
		Were precent recoveries within method QC limits?			X			
S09	I	**Serial Dilutions, Post Digestion Spikes, and Method of Standard Additions**						
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X			
S10	OI	**Method Detection Limit (MDL) Studies**						
		Was a MDL study performed for each reported analyte?	X					
		Is the MDL either adjusted or suppported by the analysis of detectability check samples?	X					
S11	OI	**Proficiency Test Reports**						
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X					
S12	OI	**Standards Documentation**						
		Are all standards used in the analyses NIST-traceable or obtained from other apropriate sources?	X					
S13	IO	**Compound/Analyte Identification Procedures**						
		Are the procedures for compound/analyte identification documented?	X					
S14	OI	**Demonstration of Analyst Compentency (DOC)**						
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC Section 4?	X					
		Is documentation of the analyst's competency up-to-date and on file?	X					
S15	OI	**Verification/Validation Documentation Methods (NELAC Chapter 5 or ISO/IEC Section 5)**						
		Are all the methods used to generate the data documented, verified and validated, where applicable?	X					
S16	OI	**Laboratory Standard Operating Procedures (SOPs)**						
		Are laboratory SOPs current and on file for each method performed?	X					

1. Items identified by the letter "R" must be included on the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention
2. O = organic analyses; I = ionorganic analyses (and general chemistry, when applicable);
3. N/A = Not applicable;
4. NR = Not reviewed
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A: (cont'd):	Laboratory Review Checklist: Exception Reports		
Laboratory Name:	SPL Kilgore	LRC Date:	11/16/2023
Project Name:	2311075	Laboratory Job (Project) Number:	1080455
Reviewer Name:	Bill Peery (WJP)	PrepSet: 1090562	QCgroup: 1090977

ER#	Description
1	Bottles were reviewed at login. Please see the chain of custody record for sample receipt details.
2	The following CCV constituents have recoveries outside of laboratory QC limits: 2,4 Dichlorophenoxyacetic acid, 2,4,5-TP (Silvex)

1 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

November 14, 2023

John Dupont
DHL Analytical
2300 Double Creek Drive
Round Rock, TX 78664

Work Order: **HS23110752**

Laboratory Results for: **2311075**

Dear John Dupont,

ALS Environmental received 1 sample(s) on Nov 09, 2023 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL
Tyler Monroe

Client: DHL Analytical
Project: 2311075
Work Order: HS23110752

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23110752-01	Permit Outfall	Aqueous		07-Nov-2023 07:59	09-Nov-2023 09:40	☐

Client: DHL Analytical **CASE NARRATIVE**
Project: 2311075
Work Order: HS23110752

WetChemistry by Method E420.1

Batch ID: 203479

• The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

WetChemistry by Method M4500 NH3 D

Batch ID: 203442

• The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Client: DHL Analytical
Project: 2311075
Sample ID: Permit Outfall
Collection Date: 07-Nov-2023 07:59

ANALYTICAL REPORT
WorkOrder:HS23110752
Lab ID:HS23110752-01
Matrix:Aqueous

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
PHENOLICS BY E420.1,1978	**Method:E420.1**				Prep:E420.1 / 14-Nov-2023		Analyst: AB
Phenolics, Total Recoverable	**0.0400**	J	**0.0200**	**0.0500**	**mg/L**	1	14-Nov-2023 11:13
TOTAL KJELDAHL NITROGEN BY SM4500 NH3 D-2011	**Method:M4500 NH3 D**				Prep:M4500-N C / 13-Nov-2023		Analyst: AB
Nitrogen, Total Kjeldahl	**0.54**		**0.10**	**0.50**	**mg/L**	1	13-Nov-2023 14:48

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: DHL Analytical
Project: 2311075
WorkOrder: HS23110752

Batch ID: 203442 **Start Date:** 13 Nov 2023 09:00 **End Date:** 13 Nov 2023 09:00
Method: TKN WATER - PREP **Prep Code:** TKN_W_PR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23110752-01		25 (mL)	50 (mL)	2	250 mL amber glass, H2SO4 to pH <2

Batch ID: 203479 **Start Date:** 14 Nov 2023 09:00 **End Date:** 14 Nov 2023 09:00
Method: PHENOLICS_W_PR420.1 **Prep Code:** PHENOLICS_W_PR420.1

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23110752-01		50 (mL)	50 (mL)	1	250 mL amber glass, H2SO4 to pH <2

Client: DHL Analytical
Project: 2311075
WorkOrder: HS23110752

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 203442 (0)	**Test Name :** TOTAL KJELDAHL NITROGEN BY SM4500 NH3 D-2011				**Matrix:** Aqueous	
HS23110752-01	Permit Outfall	07 Nov 2023 07:59		13 Nov 2023 09:00	13 Nov 2023 14:48	1
Batch ID: 203479 (0)	**Test Name :** PHENOLICS BY E420.1,1978				**Matrix:** Aqueous	
HS23110752-01	Permit Outfall	07 Nov 2023 07:59		14 Nov 2023 09:00	14 Nov 2023 11:13	1

Client: DHL Analytical
Project: 2311075
WorkOrder: HS23110752

QC BATCH REPORT

Batch ID: 203442 (0) **Instrument: WetChem_HS** **Method: TOTAL KJELDAHL NITROGEN BY SM4500 NH3 D-2011**

MBLK Sample ID: **MBLK-203442** Units: **mg/L** Analysis Date: **13-Nov-2023 14:48**
Client ID: Run ID: **WetChem_HS_451676** SeqNo: **7671227** PrepDate: **13-Nov-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen, Total Kjeldahl	U	0.50								

LCS Sample ID: **LCS-203442** Units: **mg/L** Analysis Date: **13-Nov-2023 14:48**
Client ID: Run ID: **WetChem_HS_451676** SeqNo: **7671224** PrepDate: **13-Nov-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen, Total Kjeldahl	18.93	0.50	20	0	94.6	85 - 115				

LCSD Sample ID: **LCSD-203442** Units: **mg/L** Analysis Date: **13-Nov-2023 14:48**
Client ID: Run ID: **WetChem_HS_451676** SeqNo: **7671225** PrepDate: **13-Nov-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen, Total Kjeldahl	19.57	0.50	20	0	97.9	85 - 115	18.93	3.36	20	

MS Sample ID: **HS23110198-01MS** Units: **mg/L** Analysis Date: **13-Nov-2023 14:48**
Client ID: Run ID: **WetChem_HS_451676** SeqNo: **7671222** PrepDate: **13-Nov-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen, Total Kjeldahl	20.26	0.50	20	0.602	98.3	75 - 125				

MSD Sample ID: **HS23110198-01MSD** Units: **mg/L** Analysis Date: **13-Nov-2023 14:48**
Client ID: Run ID: **WetChem_HS_451676** SeqNo: **7671223** PrepDate: **13-Nov-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen, Total Kjeldahl	21.51	0.50	20	0.602	105	75 - 125	20.26	5.99	20	

The following samples were analyzed in this batch: HS23110752-01

Client: DHL Analytical
Project: 2311075
WorkOrder: HS23110752

QC BATCH REPORT

Batch ID: 203479 (0) **Instrument: UV-2450** **Method: PHENOLICS BY E420.1,1978**

MBLK Sample ID: **MBLK-203479** Units: **mg/L** Analysis Date: **14-Nov-2023 11:13**
Client ID: Run ID: **UV-2450_451754** SeqNo: **7673181** PrepDate: **14-Nov-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Phenolics, Total Recoverable	U	0.0500								

LCS Sample ID: **LCS-203479** Units: **mg/L** Analysis Date: **14-Nov-2023 11:13**
Client ID: Run ID: **UV-2450_451754** SeqNo: **7673180** PrepDate: **14-Nov-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Phenolics, Total Recoverable	0.469	0.0500	0.5	0	93.8	84.6 - 104				

MS Sample ID: **HS23110462-02MS** Units: **mg/L** Analysis Date: **14-Nov-2023 11:13**
Client ID: Run ID: **UV-2450_451754** SeqNo: **7673178** PrepDate: **14-Nov-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Phenolics, Total Recoverable	0.53	0.0500	0.5	0.051	95.8	80 - 120				

MSD Sample ID: **HS23110462-02MSD** Units: **mg/L** Analysis Date: **14-Nov-2023 11:13**
Client ID: Run ID: **UV-2450_451754** SeqNo: **7673179** PrepDate: **14-Nov-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Phenolics, Total Recoverable	0.526	0.0500	0.5	0.051	95.0	80 - 120	0.53	0.758	20	

The following samples were analyzed in this batch: HS23110752-01

Client: DHL Analytical
Project: 2311075
WorkOrder: **HS23110752**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
mg/L	Milligrams per Liter

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087 2023-2024	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2023-140	31-Aug-2024
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

Sample Receipt Checklist

Work Order ID: HS23110752 **Date/Time Received:** **09-Nov-2023 09:40**

Client Name: DHL **Received by:** **Corey Grandits**

Completed By:	/S/ Corey Grandits	11-Nov-2023 01:43	**Reviewed by:**	/S/ Tyler Monroe	14-Nov-2023 10:20
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **W** Carrier name: **UPS**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	Not Present ☐
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Samplers name present on COC?	Yes ☐	No ☑	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	2.4UC/2.3C	IR31	
Cooler(s)/Kit(s):	Blue		
Date/Time sample(s) sent to storage:	11/11/23		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☑	N/A ☐
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

DHL Analytical, Inc.
2300 Double Creek Drive
Round Rock, TX 78664
TEL: *(512) 388-8222* FAX:

CHAIN-OF-CUSTODY RECORD

Work Order: 2311075

HS23110752
DHL Analytical
2311075

Subcontractor:
ALS Laboratory Group
P.O. Box 975444
Houston, Texas 77099

TEL: (281) 530-5656
FAX:
Acct #:

3-Nov-23

Sample ID	Matrix	DHL#	Date Collected	Bottle Type	Requested Tests					
					PHENOL	TKN				
					E420.1	M4500-NH3-D				
Permit Outfall	Aqueous	01N	11/07/23 07:59 AM	250HDPEH2SO4		1				
Permit Outfall	Aqueous	01P	11/07/23 07:59 AM	250GAM-H2SO4	1					

General Comments:
Please analyze these samples with a Standard Turnaround Time.
Quality Control Package Needed: Standard - SEND PDF & Excel EDD Please
EMAIL report to both cac@dhlanalytical.com & dupont@dhlanalytical.com
Call John DuPont if you have questions.

Cooler = Blue 1R21 2.4° wet CLF-0.1

	Date/Time		Date/Time
Relinquished by:	11/8/23 1800	Received by:	11.9.23 0940
Relinquished by:		Received by:	

CUSTODY SEAL Bmc

DATE 11/8/2023

SIGNATURE

DHL ANALYTICAL

11/09/23

Bmc

NOV 09 2023

CUSTODY SEAL Bmc

DATE 11/8/2023

SIGNATURE

DHL ANALYTICAL

11/09/23

LOGIN
5123885222
DHL ANALYTICAL
2300 DOUBLE CREEK DR
ROUND ROCK TX 78664

20 LBS

1 OF 1

Bmc.

SHIP TO:
SAMPLE RECEIVING
281 530 5656
ALS LABORATORY GROUP
SUITE 210
10450 STANCLIFF RD.
HOUSTON TX 77099

TX 774 9-08

UPS GROUND

TRACKING #: 1Z 970 R40 03 2081 3380

FOR UPS SHIPPING ONLY

BILLING: P/P

PD-2

Door- 0130
UPST992529

TX 774 9-08
TX 77099

1Z970R400320813380

ST/724130M Nov 9 00:47:32 2023 HIPPS 23.9.0 US 7765 N

Email information for report date:
11/24/23 13:49

G038227

DHL Analytical

Attn: John DuPont
dupont@dhlanalytical.com

2300 Double Creek Drive
Round Rock, TX 78664

HOLIDAY SCHEDULES ARE HERE!

The Thanksgiving schedule is posted at www.aqua-techlabs.com.

Christmas and New Years sample receiving schedules will follow shortly.

Aqua-Tech encourages you to reach out to samplingbryan@aqua-techlabs.com or samplingaustin@aqua-techlabs.com if you have questions.

Thank you for your business,
June M. Brien
Executive Technical Director

BRYAN FACILITY
635 Phil Gramm Boulevard
Bryan, TX 77807
Phone: (979) 778-3707
Fax: (979) 778-3193

AQUA-TECH LABORATORIES

AUSTIN FACILITY
3512 Montopolis Dr. Suite A
Austin, TX 78744
Phone: (512) 301-9559
Fax: (512) 301-9552

The analyses summarized in this report were performed by Aqua-Tech Laboratories, Inc. unless otherwise noted. Aqua-Tech Laboratories, Inc. holds accreditation from the State of Texas in accordance with TNI and/or through the TCEQ Drinking Water Commercial Laboratory Approval Program.

The following abbreviations indicate certification status:

NEL	TNI accredited parameter.
ANR	Accreditation not offered by the State of Texas.
DWP	Approval through the TCEQ Drinking Water Commercial Laboratory Approval Program.
INF	Aqua-Tech Laboratories, Inc. is not accredited for this parameter. It is reported on an informational basis only.

Subcontracted data summarized in this report is indicated by "Sub" in the Lab column.

Certificate: T104704371-22-26

TCEQ Lab ID T104704371

General Definitions:

NR	Not Reported.
RPD	Relative Percent Difference.
% R	Percent Recovery.
dry	Results with the "dry" unit designation are reported on a "dry weight" basis.
SQL	The Sample Quantitation Limit is the value below which the parameter cannot reliably be detected. The SQL includes all sample preparations, dilutions and / or concentrations.
Adj MDL	The Adjusted Method Detection Limit is the MDL value adjusted for any sample dilutions or concentrations .
MDL	The Method Detection Limit is the lowest theoretical value that is statistically different from zero for a specific method, taking into account all preparation steps and instrument settings.

All samples are reported on an "as received" basis unless the designation "dry" is added to the reported unit.

Copies of Aqua-Tech Laboratories, Inc. procedures and individual sampling plans are available upon request. Note that samples are collected by Aqua-Tech Laboratories, Inc. personnel unless otherwise noted in the "Sample Collected" field of this report as "Client" or "CLT".

Samples included in this report were received in acceptable condition according to Aqua-Tech Laboratories, Inc. procedures and 40 CFR, Chapter I, Subchapter D, Part 136.3, TABLE II. - *Required containers, preservation techniques, and holding times*, unless otherwise noted in this report.

Record Retention:

All reports, raw data, and associated quality control data are kept on file for 10 years before being destroyed. Any client that would like copies of records must contact Aqua-Tech Laboratories, Inc. no later than six months prior to the scheduled disposal. An administrative fee for retrieval and distribution will apply.

This report was approved by:

June M. Brien, Technical Director

BRYAN FACILITY
635 Phil Gramm Boulevard
Bryan, TX 77807
Phone: (979) 778-3707
Fax: (979) 778-3193

AQUA-TECH LABORATORIES

AUSTIN FACILITY
3512 Montopolis Dr. Suite A
Austin, TX 78744
Phone: (512) 301-9559
Fax: (512) 301-9552

Analytical Report

DHL Analytical

Report Printed: **11/24/23** **13:49**

G038227

DHL Permit Outfall

Collected: 11/07/23 07:59 by CLIENT
Received: 11/08/23 14:00 by Kaitlyn Johnson

Type: Grab
Matrix: Non Potable
C-O-C #: G038227

Lab ID# G038227-01

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
General Chemistry											
Carbonaceous BOD (5 day)	**3**	mg/L		1	1	1	*Austin*	11/09/23 07:50 SAR	SM5210 B 2016	M169244	NEL

General Chemistry - Quality Control

	Result	Units	Notes	MDL	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	RPD	RPD Limit	Batch	
Carbonaceous BOD (5 day) - SM5210 B 2016														*Austin*
Diln Water Blk	0.20	mg/L		1	1	11/09/23 07:50 SAR		0.2		< or = 0.2 mg/L			2311101	
GGA	207	mg/L		1	1	11/09/23 07:50 SAR	198		105	84.6 - 115.4			2311101	
GGA	211	mg/L		1	1	11/09/23 07:50 SAR	198		107	84.6 - 115.4			2311101	
GGA	189	mg/L		1	1	11/09/23 07:50 SAR	198		95.5	84.6 - 115.4			2311101	
Seed Blank	<1	mg/L		1	1	11/09/23 07:50 SAR							2311101	
Seed Blank	<1	mg/L		1	1	11/09/23 07:50 SAR							2311101	
Seed Blank	<1	mg/L		1	1	11/09/23 07:50 SAR							2311101	
Duplicate	1	mg/L		1	1	11/09/23 07:50 SAR		1			10.4	47.7	M169244	

Sample Preparation Summary

Sample	Method	Prepared	Lab	Bottle	Initial	Units	Final	Units	External Dilution Factor	Batch
G038227-01										
Carbonaceous BOD (5 day)	SM5210 B 2016	11/9/23 7:50 SAR	Austin	A	300	mL	300	mL	1	M169244

G038227

DHL Analytical, Inc.
2300 Double Creek Drive
Round Rock, TX 78664
TEL: *(512) 388-8222* FAX:

CHAIN-OF-CUSTODY RECORD

Work Order: 2311075

Subcontractor:

AquaTech (Austin Office)
3512 Montopolis Drive
Austin, Texas 78744

TEL: (512) 301-9559
FAX:
Acct #:

08-Nov-23

Sample ID	Matrix	DHL#	Date Collected	Bottle Type	Requested Tests					
					C-BOD					
					M5210B					
Permit Outfall	Aqueous	01O	11/07/23 07:59 AM	1LHDPE	1				G038227-01A	

DTL
5.8/5.8LT
0704480
LB

General Comments:

Please analyze these samples with a Standard Turnaround Time.
Quality Control Package Needed: Standard - SEND PDF & Excel EDD Please
EMAIL report to both cac@dhlanalytical.com & dupont@dhlanalytical.com
Call John DuPont if you have questions.

		Date/Time			Date/Time
Relinquished by:	[signature]	11/8/23 1200	**Received by:**	Andle	
Relinquished by:	Andle		**Received by:**	Kaitlyn Johnson [signature]	11/08/23 1400

POLLUTION CONTROL SERVICES

Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
John DuPont **DHL Analytical, Inc.** **2300 Double Creek Dr.** **Round Rock, TX 78664**	**Project Name: 2311075** **Sample ID: Permit Outfall Hg** **Matrix: Non-Potable Water** **Date/Time Taken: 11/7/2023 0905**	**PCS Sample #: 740747 Page 1 of 1** **Date/Time Received: 11/8/2023 16:15** **Report Date: 11/27/2023** **Approved by:** Chuck Wallgren, President

Test Description	Result	Units	RL	Analysis Date/Time	Method	Analyst
Mercury/CVAFS	0.000009	mg/L	0.000005	11/22/2023 12:25	EPA 245.7	DJL

Quality Assurance Summary

Test Description	Precision	Limit	LCL	MS	MSD	UCL	LCS	LCS Limit	Blank
Mercury/CVAFS	1	20	70	82	83	130	104	70 - 130	<1.8ng/L

Quality Statement: All supporting quality data adhered to data quality objectives and test results meet the requirements of NELAC unless otherwise noted as flagged exceptions or in a case narrative attachment. Reports with full quality data deliverables are abailable on request.

These analytical results relate only to the sample tested.
All data is reported on an 'As Is' basis unless designated as 'Dry Wt'.
RL = Reporting Limits

www.pcslab.net
chuck@pcslab.net

1532 Universal City Blvd
Universal City, TX 78148-3318

Main: 210-340-0343
Fax: 210-658-7903

DHL Analytical, Inc.
2300 Double Creek Drive
Round Rock, TX 78664
TEL: *(512) 388-8222* FAX:

CHAIN-OF-CUSTODY RECORD

Work Order: 2311075 New Territory

Subcontractor:

Pollution Control Services
1532 Universal City Blvd #100
Universal City, Texas 78148

TEL: (210) 340-0949
FAX: (210) 658-7903
Acct #:

08-Nov-23

Sample ID	Matrix	DHL#	Date Collected	Bottle Type	Requested Tests					
					Hg-LoLevel					
					E245.7					
Permit Outfall Hg	Aqueous	02A	11/07/23 09:05 AM	500GHCL	1	740747				

General Comments:

Please analyze these samples with a Standard Turnaround Time.
Quality Control Package Needed: Standard - SEND PDF & Excel EDD Please
EMAIL report to both cac@dhlanalytical.com & dupont@dhlanalytical.com
Call John DuPont if you have questions.

		Date/Time			Date/Time
Relinquished by:	[signature]	11/8/23 1400	**Received by:**		
Relinquished by:			**Received by:**	[signature]	11-8-23 / 1615

Pollution Control Services

Sample Log-In Checklist 740747

PCS Sample No(s) 740747 **COC No.** _____

Client/Company Name: DHL **Checklist Completed by:** JAA

Sample Delivery to Lab Via:
Client Drop Off _____ Commercial Carrier: Bus ____ UPS ____ Lone Star ____ FedEx ____ USPS ____
PCS Field Services: Collection/Pick Up ✓ Other: _____

Sample Kit/Coolers
Sample Kit/Cooler? Yes ✓ No ____ Sample Kit/Cooler: Intact? Yes ✓ No ___
Custody Seals on Sample Kit/Cooler: Not Present ✓ If Present, Intact ___ Broken ___
Sample Containers Intact; Unbroken and Not Leaking? Yes ✓ No ___
Custody Seals on Sample Bottles: Not Present ✓ If Present, Intact ___ Broken ___
COC Present with Shipment or Delivery or Completed at Drop Off? Yes ✓ No ___
Has COC sample date/time and other pertinent information been provided by client/sampler? Yes: ✓ No: ___
Has COC been properly Signed when Received/Relinquished? Yes ✓ No ___
Does COC agree with Sample Bottle Information, Bottle Types, Preservation, etc.? Yes ✓ No ___
All Samples Received before Hold Time Expiration? Yes ✓ No ___
Sufficient Sample Volumes for Analysis Requested? Yes ✓ No ___
Zero Headspace in VOA Vial? Yes ___ No ✓

Sample Preservation:
* ***Cooling:*** **Not Required** _____ or **Required** ✓
If cooling required, record temperature of submitted samples Observed/Corrected 23.1/23.3 °C
Is Ice Present in Sample Kit/Cooler? ____ Yes ✓ No Samples received same day as collected? ____ Yes ✓ No
Lab Thermometer Make and Serial Number: Vaughan 1807009583 Other: _____

Acid Preserved Sample - If present, is pH <2? **Yes** ____ **No** ____** ____H_2SO_4 ____HNO_3 ____H_3PO_4
Base Preserved Sample - If present, is pH >12? Yes ____ No ____ ____NaOH
Other Preservation: _____ If Present, Meets Requirements? Yes____ No____
Sample Preservations Checked by: _____ Date _____ Time _____
pH paper used to check sample preservation (PCS log #): _____ (HEM pH checked at analysis).
Samples Preserved/Adjusted by Lab:

Lab #	Parameters Preserved	Preservative Used	Log #

Adjusted by Tech/Analyst: _____ Date : _____ Time: _____

Client Notification/ Documentation for "No" Responses Above/ Discrepancies/ RevisionComments
Person Notified: _____ Contacted by: _____
Notified Date: _____ Time: _____
Method of Contact: At Drop Off: ____ Phone ___ Left Voice Mail ____ E-Mail ____ Fax ____
Unable to Contact ____ Authorized Laboratory to Proceed : _____ (Lab Director)
Regarding / Comments: _____
_____
_____
Actions taken to correct problems/discrepancies: _____
_____
_____
Receiving qualifier needed (*requires client notification above*) Temp. ___ Holding Time ___ Initails: _____
Receiving qualifier entered into LIMS at login Initial/Date: _____
Revision Comments: _____
_____

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

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

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

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

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

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

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

City of Sugar Land (CN600593990) operates City of Sugar Land New Territory North Regional Wastewater Treatment Facility (RN102845930), a municipal wastewater treatment facility. The facility is located at approximately 1.4 miles southwest from the intersection of New Territory Boulevard and Grand Parkway, in Sugar Land, Fort Bend County, Texas 77479. The following application is a renewal of the existing permit to discharge an annual average of 6,000,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD5), total suspended solids (TSS), ammonia nitrogen (NH3-N) and *Escherichia* coli, inside of TPDES permit levels. 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 conventional activated sludge process and the treatment units include a bar screen, aeration

basins, final clarifiers, sludge digesters, filter belt press, chlorine contact chambers, de-chlorination, and an effluent outfall.

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

AGUAS RESIDUALES DOMÉSTICAS **/AGUAS PLUVIALES**

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

La Ciudad de Sugar Land (CN600593990) opera la Planta de Tratamiento de Aguas Residuales Regional del Norte (RN102845930) de la Ciudad de Sugar Land, una instalación municipal de tratamiento de aguas residuales. La instalación está ubicada aproximadamente a 1.4 millas al suroeste de la intersección de New Territory Boulevard y Grand Parkway, en Sugar Land, Fort Bend County, Texas 77479. La siguiente solicitud es una renovación del permiso existente para descargar un promedio anual de 6,000,000 galones por día de aguas residuales domésticas tratadas.

Se espera que las descargas de la instalación contengan una demanda de oxígeno bioquímico carbonoso (CBOD5) de cinco días, sólidos suspendidos totales (TSS), nitrógeno amoniacal (NH3-N) y Escherichia coli, dentro de los niveles permitidos por TPDES. 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 convencional de lodos activados y las unidades de tratamiento incluyen una criba de barras, cuencas de aireación, clarificadores finales, digestores de lodos, prensa de cinta filtrante, cámaras de contacto con cloro, decloración y un emisario de efluentes.

INSTRUCTIONS

1. Enter the name of applicant in this section. The applicant name should match the name associated with the customer number.
2. Enter the Customer Number in this section. Each Individual or Organization is issued a unique 11-digit identification number called a CN (e.g. CN123456789).
3. Choose “operates” in this section for existing facility applications or choose “proposes to operate” for new facility applications.
4. Enter the name of the facility in this section. The facility name should match the name associated with the regulated entity number.
5. Enter the Regulated Entity number in this section. Each site location is issued a unique 11-digit identification number called an RN (e.g. RN123456789).
6. Choose the appropriate article (a or an) to complete the sentence.
7. Enter a description of the facility in this section. For example: steam electric generating facility, nitrogenous fertilizer manufacturing facility, etc.
8. Choose “is” for an existing facility or “will be” for a new facility.
9. Enter the location of the facility in this section.
10. Enter the City nearest the facility in this section.
11. Enter the County nearest the facility in this section.
12. Enter the zip code for the facility address in this section.
13. Enter a summary of the application request in this section. For example: renewal to discharge 25,000 gallons per day of treated domestic wastewater, new application to discharge process wastewater and stormwater on an intermittent and flow-variable basis, or major amendment to reduce monitoring frequency for pH, etc. If more than one outfall is included in the application, provide applicable information for each individual outfall.
14. List all pollutants expected in the discharge from this facility in this section. If applicable, refer to the pollutants from any federal numeric effluent limitations that apply to your facility.
15. Enter the discharge types from your facility in this section (e.g., stormwater, process wastewater, once through cooling water, etc.)
16. Choose the appropriate verb tense to complete the sentence.
17. Enter a description of the wastewater treatment used at your facility. Include a description of each process, starting with initial treatment and finishing with the outfall/point of disposal. Use additional lines for individual discharge types if necessary.

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.

Example

Individual Industrial Wastewater Application

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 are not federal enforceable representations of the permit application.

ABC Corporation (CN600000000) operates the Starr Power Station (RN10000000000), a two-unit gas-fired electric generating facility. Unit 1 has a generating capacity of 393 megawatts (MWs) and Unit 2 has a generating capacity of 528 MWs. The facility is located at 1356 Starr Street, near the City of Austin, Travis County, Texas 78753.

This application is for a renewal to discharge 870,000,000 gallons per day of once through cooling water, auxiliary cooling water, and also authorizes the following waste streams monitored inside the facility (internal outfalls) before it is mixed with the other wastewaters authorized for discharge via main Outfall 001, referred to as “previously monitored effluents” (low-volume wastewater, metal-cleaning waste, and stormwater (from diked oil storage area yards and storm drains)) via Outfall 001. Low-volume waste sources, metal-cleaning waste, and stormwater drains on a continuous and flow-variable basis via internal Outfall 101.

The discharge of once through cooling water via Outfall 001 and low-volume waste and metal-cleaning waste via Outfall 101 from this facility is subject to federal effluent limitation guidelines at 40 CFR Part 423. The pollutants expected from these discharges based on 40 CFR Part 423 are: free available chlorine, total residual chlorine, total suspended solids, oil and grease, total iron, total copper, and pH. Temperature is also expected from these discharges. Additional potential pollutants are included in the Industrial Wastewater Application Technical Report, Worksheet 2.0.

Cooling water and boiler make-up water are supplied by Lake Starr Reservoir. The City of Austin municipal water plant (CN600000000, PWS 00000) supplies the facility’s potable water and serves as an alternate source of boiler make-up water. Water from the Lake Starr Reservoir is withdrawn at the intake structure and treated with sodium hypochlorite to prevent biofouling and sodium bromide as a chlorine enhancer to improve efficacy and then passed through condensers and auxiliary equipment on a once-through basis to cool equipment and condense exhaust steam.

Low-volume wastewater from blowdown of boiler Units 1 and 2 and metal-cleaning wastes receive no treatment prior to discharge via Outfall 101. Plant floor and equipment drains and stormwater runoff from diked oil storage areas, yards, and storm drains are routed through an oil and water separator prior to discharge via Outfall 101. Domestic wastewater, blowdown, and backwash water from the service water filter, clarifier, and sand filter are routed to the Starr Creek Domestic Sewage Treatment Plant, TPDES Permit No. WQ0010000001, for treatment and disposal. Metal-cleaning waste from equipment cleaning is generally disposed of off-site.

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. WQ0013628001

SOLICITUD. City of Sugar Land, 101A Gillingham Lane, Sugar Land, Texas 77478 ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0013628001 (EPA I.D. No. TX0111872) 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 6,000,000 galones por día. La planta está ubicada aproximadamente a 1.4 millas al suroeste de la intersección de New Territory Boulevard y Grand Parkway, en Sugar Land en el Condado de Fort Bend Texas. La ruta de descarga es del sitio de la planta a zanja del Distrito de Mejoramiento de Diques No. 7 del Condado de Fort Bend; de allí al río Brazos por debajo del río Navasota. La TCEQ recibió esta solicitud el July 17, 2024. La solicitud para el permiso estará disponible para leerla y copiarla en Ayuntamiento de la ciudad de Sugar Land, 2700 Town Center Boulevard North, Sugar Land, en Fort Bend Condado, Texas
antes de la fecha de publicación de este aviso en el periódico. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.
https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.696388,29.577222&level=18

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

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

OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO CONTENCIOSO.

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

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

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

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

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

También se puede obtener información adicional del City of Sugar Land a la dirección indicada arriba o llamando a Mr. Randy Lock, Brazos River Authority, al 254-307-9826.

Fecha de emission:

RE: Application to Renew Permit No. WQ0013628001 - Notice of Deficiency Letter

Nathan Gathright <Nathan.Gathright@Brazos.org>
Mon 7/29/2024 2:33 PM
To:Savannah Jackson <Savannah.Jackson@tceq.texas.gov>
Cc:Erwin Madrid <Erwin.Madrid@tceq.texas.gov>;Randy Lock <Randy.Lock@brazos.org>

3 attachments (661 KB)
wq0013628001-nod1.pdf; Attachment 2 - SL New Territory Plain Language Form Updated.docx; 2024 SL New Territory - Municipal Discharge Renewal Spanish NORI.docx;

Good afternoon Savannah,

Thank you for your quick review on our permit renewal. I've included our responses down below. Please see attached for the requested forms: Updated Plain Language Form (English and Spanish) and the Spanish NORI form. Please let me know if you need anything else.

Response to Notice of Deficiency – July 24, 2024

Application to Renew Permit No.: WQ0013628001 (EPA I.D. No. TX0111872)
Applicant Name: City of Sugar Land (CN600593990)
Site Name: City of Sugar Land New Territory North Regional WWTP (RN102845930)
Type of Application: Renewal without changes

1. Core Data Form, Section 2, Item 15:
Correct address: 101A Gillingham Lane

2. Administrative Report 1.0; Section 4, Item A:
Correct zip code: 77479

3. Administrative Report 1.0, Section 8, Item 1:
Individual publishing the notice: Cathy Dominguez - cathy.dominguez@brazos.org

4. The Plain Language Summary facility location contains an address instead of the physical location description in the current permit and provides an incorrect annual average flow amount.
See attached corrected Plain Language Summary

5. The following is a portion of the NORI which contains information relevant to your application. Please read it carefully and indicate if it contains any errors or omissions. The complete notice will be sent to you once the application is declared administratively complete.
Reviewed and approve NORI

6. The application indicates that public notices in Spanish are required. After confirming the portion of the NORI above does not contain any errors or omissions, please use the attached template to translate the NORI into Spanish. Only the first and last paragraphs are unique to this application and require translation. Please provide the translated Spanish NORI in a Microsoft Word document.
See attached Spanish NORI

-
-
Thank you,

Nathan Gathright
Regulatory Compliance & Permitting Coordinator | Enviromental Services
p: +1 (254) 761-3242 | **f**: | Nathan.Gathright@Brazos.org

, ,
www.brazos.org

From: Savannah Jackson <Savannah.Jackson@tceq.texas.gov>
Sent: Wednesday, July 24, 2024 3:23 PM
To: Randy Lock <Randy.Lock@brazos.org>
Cc: Nathan Gathright <Nathan.Gathright@Brazos.org>; Erwin Madrid <Erwin.Madrid@tceq.texas.gov>
Subject: Application to Renew Permit No. WQ0013628001 - Notice of Deficiency Letter

Dear Mr. Randy Lock,

The attached Notice of Deficiency letter sent on July 24, 2024, requests additional information needed to declare the application administratively complete. Please send the complete response to my attention by August 7, 2024.

Thank you,

Savannah Jackson

Texas Commission on Environmental Quality

Water Quality Division

512-239-4306
savannah.jackson@tceq.texas.gov