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 Magnolia (CN600636856) operates City of Magnolia Wastewater Treatment Plant (RN101919769), an activated sludge process plant. The facility is located at 30910 Nichols Sawmill Road, in the City of Magnolia, Montgomery County, Texas 77355. This application is for a renewal to discharge at a daily average flow of 2,000,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain contain five-day carbonaceous biochemical oxygen demand ($CBOD_5$), total suspended solids (TSS), ammonia nitrogen (NH_3-N), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent in the permit application package. Domestic wastewater is treated by an activated sludge process plant and the treatment units include a bar screen, aeration basins, final clarifiers, sludge digesters, a belt filter press, chlorine contact chambers, and a dichlorination chamber.

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 Magnolia (CN600636856) opera La Planta de Tratamiento de Aguas Residuales de la Ciudad de Magnolia (RN101919769), un planta de tratamiento de aguas residuales. La instalación está ubicada en 30910 Nichols Sawmill Road, en la Ciudad de Magnolia, Condado de Montgomery, Texas 77355. renovación para descargar 1,300,000 galones por día de aguas residuales domésticas tratadas.

Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno carbonáceo a cinco días ($CBOD_5$), sólidos suspendidos totales (TTS), nitrógeno amoniacal (NH_3-N) y Escherichia coli. Los contaminantes potenciales adicionales están incluidos en el Informe Técnico Doméstico 1.0, Sección 7, en el paquete de solicitud del permiso. aguas residuales domésticas. está tratado por Una planta de procesamiento de lodos activados y las unidades de tratamiento incluyen una criba de barras, cuencas de aireación, clarificadores finales, digestores de lodos, un filtro prensa de banda, cámaras de contacto de cloro y una cámara de dicloración.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

PERMIT NO. WQ0014903001

APPLICATION. City of Magnolia, 18111 Buddy Riley Boulevard, Magnolia, Texas 77354, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0014903001 (EPA I.D. No. TX0072702) to authorize the discharge of treated wastewater at a volume not to exceed an annual average flow of 2,000,000 gallons per day. The domestic wastewater treatment facility is located at 30910 Nichols Sawmill Road, near the city of Magnolia, in Montgomery County, Texas 77355. The discharge route is from the plant site to Arnold Branch; thence to Mink Branch; thence to Walnut Creek; thence to Spring Creek. TCEQ received this application on January 8, 2025. The permit application will be available for viewing and copying at Magnolia City Hall, City Utility Department Office, 18111 Buddy Riley Boulevard, Magnolia, in Montgomery 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=-95.751666,30.190277&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 Magnolia at the address stated above or by calling Mr. Timothy Robertson, P.E., City Engineer, at 281-305-0546.

Issuance Date: January 31, 2025

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. WQ0014903001

SOLICITUD. City of Magnolia, 18111 Buddy Riley Boulevard, Magnolia, Texas 77354, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0014903001 (EPA I.D. No. TX0072702) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 2,000,000 galones por día. La planta está ubicada 30910 Nichols Sawmill Road, Magnolia, en el Condado de Montgomery, Texas. La ruta de descarga es del sitio de la planta a Arnold Branch; de ahí a Mink Branch; de ahí a Walnut Creek; de ahí a Spring Creek. La TCEQ recibió esta solicitud el 8 de enero de 2025. La solicitud para el permiso estará disponible para leerla y copiarla en 18111 Buddy Riley Boulevard, Magnolia, en el Condado de Montgomery, 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. La solicitud, incluidas las actualizaciones, y los avisos asociados están disponibles electrónicamente en la siguiente página web: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. Este enlace a un mapa electrónico de la ubicación general del sitio o instalación se proporciona como una cortesía pública y no forma parte de la solicitud o aviso. Para conocer la ubicación exacta, consulte la aplicación.
https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications

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

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

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

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

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

LISTA DE CORREO. Si somete comentarios públicos, un pedido para una audiencia administrativa de lo contencioso o una reconsideración de la decisión del Director Ejecutivo, la Oficina del Secretario Principal enviará por correo los avisos públicos en relación con la solicitud. 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 Magnolia a la dirección indicada arriba o llamando a Mr. Timothy Robertson, P.E., Ingeniera Urbana al 281-305-0546.

Fecha de emission: 31 de enero de 2025

BLEYL ENGINEERING

TCEQ TPDES WASTEWATER TREATMENT PLANT
PERMIT RENEWAL APPLICATION

FOR

CITY OF MAGNOLIA

PERMIT NO. WQ0014903001

BE Job No. 13494

December 2024

PREPARED BY:

BLEYL ENGINEERING
PLANNING • DESIGN • MANAGEMENT
100 Nugent Street | Conroe, Texas 77301
O: (936) 441-7833 | F: (936) 760-3833

Firm No. 678
www.bleylengineering.com

Table of Contents

- **ADMINISTRATIVE REPORT 1.0**
- **TECHNICAL REPORT 1.0**
- **WORKSHEET 2.0**
- **WORKSHEET 4.0**
- **WORKSHEET 6.0**
- **ATTACHMENTS**
    - ❖ **Attachment A – Copy of Check for Permit Application**
    - ❖ **Attachment B – Core Data Form**
    - ❖ **Attachment C – Supplemental Permit Information Form (SPIF)**
    - ❖ **Attachment D – USGS Map for Domestic Administrative Report 1.0**
    - ❖ **Attachment E – USGS Map for SPIF**
    - ❖ **Attachment F – Description of Treatment Process**
    - ❖ **Attachment G – Treatment Units**
    - ❖ **Attachment H – Process Flow Diagram**
    - ❖ **Attachment I – Site Drawing**
    - ❖ **Attachment J – Plain Language Summary**
    - ❖ **Attachment K – Effluent Lab Test Results**
    - ❖ **Attachment L – Solids Management Plan**

100 Nugent Street
Conroe, TX 77301
(936) 441-7833

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: City of Magnolia

PERMIT NUMBER (If new, leave blank): WQ00 14903001

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: 51156

Check/Money Order Amount: 2,015.00

Name Printed on Check: TCEQ

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 14903001

EPA I.D. (TPDES only): TX 0072702

Expiration Date: May 27, 2025

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

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

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

City of Magnolia

(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: 600636856

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: Matthew "Doc" Dantzer

Title: Mayor Credential: Click to enter text.

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

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

N/A

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

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

CN: N/A

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

Prefix: N/A Last Name, First Name: N/A

Title: N/A Credential: N/A

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

C. Core Data Form

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

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: Sanson, Koy

Title: Engineer Credential: P.E.

Organization Name: Bleyl Engineering

Mailing Address: 100 Nugent Street City, State, Zip Code: Conroe, Texas, 77301

Phone No.: (936)441-7833 E-mail Address: ksanson@bleylengineering.com

Check one or both: ☐ Administrative Contact ☒ Technical Contact

B. Prefix: Mr. Last Name, First Name: Robertson, Timothy

Title: City Engineer Credential: P.E.

Organization Name: City of Magnolia

Mailing Address: 18111 Buddy Riley Blvd. City, State, Zip Code: Magnolia, Texas, 77354

Phone No.: (281) 305-0546 E-mail Address: trobertson@cityofmagnolia.com

Check one or both: ☒ Administrative Contact ☒ Technical Contact

Section 5. Permit Contact Information (Instructions Page 27)

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

A. Prefix: Mr. Last Name, First Name: Robertson, Timothy

Title: City Engineer Credential: P.E.

Organization Name: City of Magnolia

Mailing Address: 18111 Buddy Riley Blvd. City, State, Zip Code: Magnolia, Texas, 77354

Phone No.: (281) 305-0546 E-mail Address: trobertson@cityofmagnolia.com

B. Prefix: Mr. Last Name, First Name: Smith, Burt

Title: Public Works Director Credential: Click to enter text.

Organization Name: Public Works Director

Mailing Address: 18111 Buddy Riley Blvd. City, State, Zip Code: Magnolia, Texas, 77354

Phone No.: (281)356-2266 E-mail Address: bsmith@cityofmagnolia.com

Section 6. Billing Contact Information (Instructions Page 27)

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

Prefix: Mrs. Last Name, First Name: Standley, Beverly

Title: Finance Officer / Human Resources Administrator Credential: Click to enter text.

Organization Name: City of Magnolia

Mailing Address: 18111 Buddy Riley Blvd. City, State, Zip Code: Magnolia, Texas, 77354

Phone No.: (281)356-2266 E-mail Address: bstandley@cityofmagnolia.com

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

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

Prefix: Mr. Last Name, First Name: Smith, Burt

Title: Public Works Director Credential: Click to enter text.

Organization Name: Public Works Director

Mailing Address: 18111 Buddy Riley Blvd. City, State, Zip Code: Magnolia, Texas, 77354

Phone No.: (281) 356-2266 E-mail Address: bsmith@cityofmagnolia.com

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Mr. Last Name, First Name: Sanson, Koy

Title: Engineer Credential: P.E.

Organization Name: Bleyl Engineering

Mailing Address: 100 Nugent Street City, State, Zip Code: Conroe, Texas, 77301

Phone No.: (936) 441-7833 E-mail Address: ksanson@bleylengineering.com

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

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

☒ E-mail Address

☐ Fax

☐ Regular Mail

C. Contact permit to be listed in the Notices

Prefix: Mr. Last Name, First Name: Robertson, Timothy

Title: City Engineer Credential: P. E.

Organization Name: City of Magnolia

Mailing Address: 18111 Buddy Riley Blvd. City, State, Zip Code: Magnolia, Texas, 77354

Phone No.: (281) 305-0546 E-mail Address: trobertson@cityofmagnolia.com

D. Public Viewing Information

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

Public building name: Magnolia City Hall

Location within the building: City Utility Department Office

Physical Address of Building: 18111 Buddy Riley Blvd.

City: Magnolia County: Montgomery

Contact (Last Name, First Name): Robertson, Timothy

Phone No.: (281) 305-0546 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 I

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** 101919769

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 Magnolia Wastewater Treatment Facility

C. Owner of treatment facility: City of Magnolia

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

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

Prefix: n/a Last Name, First Name: n/a

Title: n/a Credential: n/a

Organization Name: City of Magnolia

Mailing Address: 18111 Buddy Riley Blvd. City, State, Zip Code: 77354

Phone No.: (281)356-2266 E-mail Address: n/a

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

Attachment: n/a

E. Owner of effluent disposal site:

Prefix: n/a Last Name, First Name: n/a

Title: n/a Credential: n/a

Organization Name: City of Magnolia

Mailing Address: 18111 Buddy Riley Blvd. City, State, Zip Code: 77354

Phone No.: (281)356-2266 E-mail Address: n/a

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

Attachment: N/A

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

Prefix: n/a Last Name, First Name: n/a

Title: n/a Credential: n/a

Organization Name: n/a

Mailing Address: n/a City, State, Zip Code: n/a

Phone No.: n/a E-mail Address: n/a

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

Attachment: n/a

Section 10. TPDES Discharge Information (Instructions Page 31)

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

☒ Yes ☐ No

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

n/a

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

☒ Yes ☐ No

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

n/a

City nearest the outfall(s): Magnolia, Texas

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

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

☐ Yes ☒ No

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

☐ Authorization granted ☐ Authorization pending

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

Attachment: n/a

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

Section 11. TLAP Disposal Information (Instructions Page 32)

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

☐ Yes ☐ No

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

n/a

B. City nearest the disposal site: n/a

C. County in which the disposal site is located: n/a

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

n/a

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

Section 12. Miscellaneous Information (Instructions Page 32)

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

☐ Yes ☒ No

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

☐ Yes ☐ No ☒ Not Applicable

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

n/a

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

☐ Yes ☒ No

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

D. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

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

Account number: n/a

Amount past due: n/a

E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

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

Enforcement order number: n/a

Amount past due: n/a

Section 13. Attachments (Instructions Page 33)

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

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

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

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

☐ Attachment 1 for Individuals as co-applicants

☒ Other Attachments. Please specify: Copy of Check and Core Data Form

Section 14. Signature Page (Instructions Page 34)

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

Permit Number: WQ0014903001

Applicant: City of Magnolia

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): Matthew Dantzer

Signatory title: Mayor

Signature: _____ Date: 1-5-25

(Use blue ink)

Subscribed and Sworn to before me by the said Matthew Dantzer

on this 6 day of January, 20 25.

My commission expires on the 26 day of January, 20 27.

_____

Notary Public

[SEAL]

CHRISTIAN GABLE
My Notary ID # 134168130
Expires January 26, 2027

Montgomery

County, Texas

DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

The following information is required for new and amendment applications.

Section 1. Affected Landowner Information (Instructions Page 36)

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

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

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

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

☐ USB Drive ☐ Four sets of labels

D. Provide the source of the landowners' names and mailing addresses: 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 C

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:** WQ0014903001

1. Check or Money Order Number: 51156
2. Check or Money Order Amount: $2,015.00
3. Date of Check or Money Order: November 20, 2024
4. Name on Check or Money Order: TCEQ
5. APPLICATION INFORMATION

   Name of Project or Site: City of Magnolia Wastewater Treatment Facility

   Physical Address of Project or Site: 30910 Nichols Sawmill Road, Magnolia, Texas 77355

   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): N/A

Full legal name (Last Name, First Name, Middle Initial): N/A

Driver's License or State Identification Number: N/A

Date of Birth: N/A

Mailing Address: N/A

City, State, and Zip Code: N/A

Phone Number: N/A Fax Number: N/A

E-mail Address: N/A

CN: N/A

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

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): 1.30

2-Hr Peak Flow (MGD): 5.20

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

B. Interim II Phase

Design Flow (MGD): N/A

2-Hr Peak Flow (MGD): N/A

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

C. Final Phase

Design Flow (MGD): 2.00

2-Hr Peak Flow (MGD): 8.00

Estimated construction start date: 2027

Estimated waste disposal start date: 2027

D. Current Operating Phase

Provide the startup date of the facility: March 2023

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**.

See Attachment F

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)
See Attachment G		

C. Process Flow Diagram

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

Attachment: Attachment H

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

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

- Latitude: 30-deg 11' 26" N
- Longitude: 95-deg 45' 08" 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 I

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

City of Magnolia

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
City of Magnolia WWTP Collection System	City of Magnolia	**Publicly Owned**	Approximately 8,500
		Choose an item.	
		Choose an item.	
		Choose an item.	

Section 4. Unbuilt Phases (Instructions Page 45)

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

☒ Yes ☐ No

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

☐ Yes ☒ No

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

N/A

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.

N/A

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: July 1995/February 2006/July 2019

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**.

Click to enter text.

B. Buffer zones

Have the buffer zone requirements been met?

☒ Yes ☐ No

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

The Buffer Zones are maintained on city owned property.

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*.

N/A

D. Grit and grease treatment

1. Acceptance of grit and grease waste

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

☐ Yes ☒ No

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

2. Grit and grease processing

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

N/A

3. Grit disposal

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

☐ Yes ☒ No

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

Describe the method of grit disposal.

N/A

4. *Grease and decanted liquid disposal*

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

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

N/A

E. Stormwater management

1. *Applicability*

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

☒ Yes ☐ No

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

☐ Yes ☒ No

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

2. *MSGP coverage*

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

☐ Yes ☒ No

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

TXR05 Click to enter text. or TXRNE Click to enter text.

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

☒ Yes ☐ No

3. *Conditional exclusion*

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

☐ Yes ☒ No

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

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.

N/A

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

F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

☒ Yes ☐ No

If yes, attach a Sewage Sludge Solids Management Plan. See Example 5 in the instructions.
Attachment L

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

1. Acceptance of sludge from other WWTPs

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

☐ Yes ☒ No

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

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

N/A

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

2. Acceptance of septic waste

Is the facility accepting or will it accept septic waste?

☐ Yes ☒ No

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

☐ Yes ☐ No

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

☐ Yes ☐ No

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

N/A

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

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

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

☐ Yes ☒ No

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

N/A

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

Is the facility in operation?

☒ Yes ☐ No

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

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

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

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
$CBOD_5$, mg/l	2.97	2.97	1	Grab	11-15-2024 / 7:50 AM
Total Suspended Solids, mg/l	<1.00	<1.00	1	Grab	11-15-2024 / 7:50 AM
Ammonia Nitrogen, mg/l	0.181	0.181	1	Grab	11-15-2024 / 5:00 PM
Nitrate Nitrogen, mg/l	11.9	11.9	1	Grab	11-15-2024 / 5:00 PM
Total Kjeldahl Nitrogen, mg/l	<1.00	<1.00	1	Grab	11-15-2024 / 5:00 PM
Sulfate, mg/l	57.0	57.0	1	Grab	11-15-2024 / 5:00 PM
Chloride, mg/l	169	169	1	Grab	11-15-2024 / 5:00 PM
Total Phosphorus, mg/l	0.866	0.866	1	Grab	11-15-2024 / 5:00 PM
pH, standard units	6.93	6.93	1	Grab	11-15-2024 / 7:50 AM
Dissolved Oxygen*, mg/l	7.18	7.18	1	Grab	11-15-2024 / 7:50 AM
Chlorine Residual, mg/l	0.03	0.03	1	Grab	11-15-2024 / 7:50 AM
E.coli (CFU/100ml) freshwater	<1.00	<1.00	1	Grab	11-15-2024 / 7 :50 AM
Entercocci (CFU/100ml) saltwater	19.9	19.9	1	Grab	11-15-2024 / 7:50 AM
Total Dissolved Solids, mg/l	802	802	1	Grab	11-15-2024 / 5:00 PM
Electrical Conductivity, µmohs/cm, †	1,400	1,400	1	Grab	11-15-2024 / 5:00 PM
Oil & Grease, mg/l					
Alkalinity ($CaCO_3$)*, mg/l	339	339	1	Grab	11-15-2024 / 5:00 PM

*TPDES permits only
†TLAP permits only

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

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

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

Section 8. Facility Operator (Instructions Page 50)

Facility Operator Name: Burt Smith

Facility Operator's License Classification and Level: B

Facility Operator's License Number: WW0065718

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
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.
Choose an item.	Choose an item.	Choose an item.		Choose an item.	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: New Earth

TCEQ permit or registration number: 42041

County where disposal site is located: Waller County

E. Transportation method

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

Name of the hauler: Hydro Clear Services

Hauler registration number: 98827

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:

N/A

B. Permittee enforcement status

Is the permittee currently under enforcement for this facility?

☐ Yes ☒ No

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

☐ Yes ☒ No

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

N/A

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

A. RCRA hazardous wastes

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

☐ Yes ☒ No

B. Remediation activity wastewater

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

☐ Yes ☒ No

C. Details about wastes received

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

Attachment: N/A

Section 14. Laboratory Accreditation (Instructions Page 56)

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

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

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

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

CERTIFICATION:

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

Printed Name: Matthew Dantzer

Title: Mayor

Signature: _____

Date: 1-5-25

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: Arnold Branch

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.

Davis Branch, Mink Branch, Walnut Creek

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.

Arnold Branch, an intermittent stream with perennial pools, flows into Davis Branch, Mink Branch, and Walnut Creek, perennial streams.

E. Normal dry weather characteristics

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

Water is clear upstream and downstream of the outfall. The stream widens at the outfall and narrows back down just past the outfall. Vegetation is seen along the stream bed.

Date and time of observation: November 12, 2024 @ 9:00 AM

Was the water body influenced by stormwater runoff during observations?

☐ Yes ☒ No

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

A. Upstream influences

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

☐ Oil field activities
☐ 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: Click to enter text.

C. Waterbody aesthetics

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

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

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 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: November 15, 2024 at 7:50 AM

Table 4.0(1) – Toxics Analysis

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acrylonitrile	<50.0 U	<50.0 U	1	50
Aldrin	<0.004	<0.004	1	0.01
Aluminum	34.9	34.9	1	2.5
Anthracene	<10.0 U	<10.0 U	1	10
Antimony	<5.00 U	<5.00 U	1	5
Arsenic	1.85	1.85	1	0.5
Barium	85.0	85.0	1	3
Benzene	<10.0 U	<10.0 U	1	10
Benzidine	<50.0 U	<50.0 U	1	50
Benzo(a)anthracene	<5.00 U	<5.00 U	1	5
Benzo(a)pyrene	<5.00 U	<5.00 U	1	5
Bis(2-chloroethyl)ether	<10.0 U	<10.0 U	1	10
Bis(2-ethylhexyl)phthalate	<10.0 U	<10.0 U	1	10
Bromodichloromethane	13.2	13.2	1	10
Bromoform	<10.0 U	<10.0 U	1	10
Cadmium	<1.00 U	<1.00 U	1	1
Carbon Tetrachloride	<2.00 U	<2.00 U	1	2
Carbaryl	<1.22	<1.22	1	5
Chlordane*	<0.100	<0.100	1	0.2
Chlorobenzene	<10.0 U	<10.0 U	1	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Chlorodibromomethane	<10.0 U	<10.0 U	1	10
Chloroform	<10.0 U	<10.0 U	1	10
Chlorpyrifos	<0.0500 U	<0.0500 U	1	0.05
Chromium (Total)	<6.00 U	<6.00 U	1	3
Chromium (Tri) **(*1)**	<0.00900	<0.00900	1	N/A
Chromium (Hex)	<3.00 U	<3.00 U	1	3
Copper	<2.00 U	<2.00 U	1	2
Chrysene	<5.00 U	<5.00 U	1	5
p-Chloro-m-Cresol	<10.0 U	<10.0 U	1	10
4,6-Dinitro-o-Cresol	<50.0 U	<50.0 U	1	50
p-Cresol	<10.0 U	<10.0 U	1	10
Cyanide **(*2)**	<10.0 U	<10.0 U	1	10
4,4'- DDD	<0.002	<0.002	1	0.1
4,4'- DDE	<0.009	<0.009	1	0.1
4,4'- DDT	<0.004	<0.004	1	0.02
2,4-D				0.7
Demeton (O and S)	<0.200 U	<0.200 U	1	0.20
Diazinon	<0.500 U	<0.500 U	1	0.5/0.1
1,2-Dibromoethane	<10.0 U	<10.0 U	1	10
m-Dichlorobenzene	<10.0 U	<10.0 U	1	10
o-Dichlorobenzene	<10.0 U	<10.0 U	1	10
p-Dichlorobenzene	<10.0 U	<10.0 U	1	10
3,3'-Dichlorobenzidine	<5.00 U	<5.00 U	1	5
1,2-Dichloroethane	<10.0 U	<10.0 U	1	10
1,1-Dichloroethylene	<10.0 U	<10.0 U	1	10
Dichloromethane	<20.0 U	<20.0 U	1	20
1,2-Dichloropropane	<10.0 U	<10.0 U	1	10
1,3-Dichloropropene	<10.0 U	<10.0 U	1	10
Dicofol	<0.050	<0.050	1	1
Dieldrin	<0.005	<0.005	1	0.02
2,4-Dimethylphenol	<10.0 U	<10.0 U	1	10
Di-n-Butyl Phthalate	<10.0 U	<10.0 U	1	10
Diuron	<0.045	<0.045	1	0.09

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Endosulfan I (alpha)	<0.007	<0.007	1	0.01
Endosulfan II (beta)	<0.004	<0.004	1	0.02
Endosulfan Sulfate	<0.005	<0.005	1	0.1
Endrin	<0.004	<0.004	1	0.02
Ethylbenzene	<10.0 U	<10.0 U	1	10
Fluoride	383	383	1	500
Guthion	<0.100 U	<0.100 U	1	0.1
Heptachlor	<0.004	<0.004	1	0.01
Heptachlor Epoxide	<0.004	<0.004	1	0.01
Hexachlorobenzene	<5.00 U	<5.00 U	1	5
Hexachlorobutadiene	<10.0 U	<10.0 U	1	10
Hexachlorocyclohexane (alpha)	<0.003	<0.003	1	0.05
Hexachlorocyclohexane (beta)	<0.004	<0.004	1	0.05
gamma-Hexachlorocyclohexane (Lindane)	<0.004	<0.004	1	0.05
Hexachlorocyclopentadiene	<10.0 U	<10.0 U	1	10
Hexachloroethane	<20.0 U	<20.0 U	1	20
Hexachlorophene	<10.0 U	<10.0 U	1	10
Lead	<0.500 U	<0.500 U	1	0.5
Malathion	<0.100 U	<0.100 U	1	0.1
Mercury	<0.00500 U	<0.00500 U	1	0.005
Methoxychlor	<0.003	<0.003	1	2
Methyl Ethyl Ketone	385	385	1	50
Mirex	<0.010	<0.010	1	0.02
Nickel	<2.00 U	<2.00 U	1	2
Nitrate-Nitrogen	11,900	11,900	1	100
Nitrobenzene	<10.0 U	<10.0 U	1	10
N-Nitrosodiethylamine	<50.0 U	<50.0 U	1	20
N-Nitroso-di-n-Butylamine	<20.0 U	<20.0 U	1	20
Nonylphenol	<333 U	<333 U	1	333
Parathion (ethyl)	<0.100 U	<0.100 U	1	0.1
Pentachlorobenzene	<20.0 U	<20.0 U	1	20
Pentachlorophenol	<5.00 U	<5.00 U	1	5

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Phenanthrene	<10.0 U	<10.0 U	1	10
Polychlorinated Biphenyls (PCB's) **(*3)**	<0.03	<0.03	1	0.2
Pyridine	<20.0 U	<20.0 U	1	20
Selenium	<5.00 U	<5.00 U	1	5
Silver	<0.500 U	<0.500 U	1	0.5
1,2,4,5-Tetrachlorobenzene	<10.0 U	<10.0 U	1	20
1,1,2,2-Tetrachloroethane	<10.0 U	<10.0 U	1	10
Tetrachloroethylene	<10.0 U	<10.0 U	1	10
Thallium	<0.500 U	<0.500 U	1	0.5
Toluene	<10.0 U	<10.0 U	1	10
Toxaphene	<0.100	<0.100	1	0.3
2,4,5-TP (Silvex)	<0.300 U	<0.300 U	1	0.3
Tributyltin (see instructions for explanation)	n/a	n/a	n/a	0.01
1,1,1-Trichloroethane	<10.0 U	<10.0 U	1	10
1,1,2-Trichloroethane	<10.0 U	<10.0 U	1	10
Trichloroethylene	<10.0 U	<10.0 U	1	10
2,4,5-Trichlorophenol	<10.0 U	<10.0 U	1	50
TTHM (Total Trihalomethanes)	26.5	26.5	1	10
Vinyl Chloride	<10.0 U	<10.0 U	1	10
Zinc	45.7	45.7	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: Click to enter text.

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

Pollutant	**AVG Effluent Conc. (µg/l)**	**MAX Effluent Conc. (µg/l)**	**Number of Samples**	**MAL (µg/l)**
Antimony	<5.00 U	<5.00 U	1	5
Arsenic	1.85	1.85	1	0.5
Beryllium	<0.500 U	<0.500 U	1	0.5
Cadmium	<1.00 U	<1.00 U	1	1
Chromium (Total)	<6.00 U	<6.00 U	1	3
Chromium (Hex)	<3.00 U	<3.00 U	1	3
Chromium (Tri) **(*1)**	<0.00900	<0.00900	1	N/A
Copper	<2.00 U	<2.00 U	1	2
Lead	<0.500 U	<0.500 U	1	0.5
Mercury	<0.00500 U	<0.00500 U	1	0.005
Nickel	<2.00 U	<2.00 U	1	2
Selenium	<5.00 U	<5.00 U	1	5
Silver	<0.500 U	<0.500 U	1	0.5
Thallium	<0.500 U	<0.500 U	1	0.5
Zinc	45.7	45.7	1	5
Cyanide **(*2)**	<10.0 U	<10.0 U	1	10
Phenols, Total	<10.0 U	<10.0 U	1	10

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

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

Table 4.0(2)B – Volatile Compounds

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acrolein	<17.0 U	<17.0 U	1	50
Acrylonitrile	<50.0 U	<50.0 U	1	50
Benzene	<10.0 U	<10.0 U	1	10
Bromoform	<10.0 U	<10.0 U	1	10
Carbon Tetrachloride	<2.00 U	<2.00 U	1	2
Chlorobenzene	<10.0 U	<10.0 U	1	10
Chlorodibromomethane	<10.0 U	<10.0 U	1	10
Chloroethane	<50.0 U	<50.0 U	1	50
2-Chloroethylvinyl Ether	<10.0 U	<10.0 U	1	10
Chloroform	<10.0 U	<10.0 U	1	10
Dichlorobromomethane [Bromodichloromethane]	13.2	13.2	1	10
1,1-Dichloroethane	<10.0 U	<10.0 U	1	10
1,2-Dichloroethane	<10.0 U	<10.0 U	1	10
1,1-Dichloroethylene	<10.0 U	<10.0 U	1	10
1,2-Dichloropropane	<10.0 U	<10.0 U	1	10
1,3-Dichloropropylene [1,3-Dichloropropene]	<10.0 U	<10.0 U	1	10
1,2-Trans-Dichloroethylene	<10.0 U	<10.0 U	1	10
Ethylbenzene	<10.0 U	<10.0 U	1	10
Methyl Bromide	<50.0 U	<50.0 U	1	50
Methyl Chloride	<50.0 U	<50.0 U	1	50
Methylene Chloride	<20.0 U	<20.0 U	1	20
1,1,2,2-Tetrachloroethane	<10.0 U	<10.0 U	1	10
Tetrachloroethylene	<10.0 U	<10.0 U	1	10
Toluene	<10.0 U	<10.0 U	1	10
1,1,1-Trichloroethane	<10.0 U	<10.0 U	1	10
1,1,2-Trichloroethane	<10.0 U	<10.0 U	1	10
Trichloroethylene	<10.0 U	<10.0 U	1	10
Vinyl Chloride	<10.0 U	<10.0 U	1	10

Table 4.0(2)C – Acid Compounds

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

Table 4.0(2)D – Base/Neutral Compounds

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

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Fluorene	<10.0 U	<10.0 U	1	10
Hexachlorobenzene	<5.0 U	<5.0 U	1	5
Hexachlorobutadiene	<10.0 U	<10.0 U	1	10
Hexachlorocyclo-pentadiene	<10.0 U	<10.0 U	1	10
Hexachloroethane	<20.0 U	<20.0 U	1	20
Indeno(1,2,3-cd)pyrene	<5.00 U	<5.00 U	1	5
Isophorone	<10.0 U	<10.0 U	1	10
Naphthalene	<10.0 U	<10.0 U	1	10
Nitrobenzene	<10.0 U	<10.0 U	1	10
N-Nitrosodimethylamine	<50.0 U	<50.0 U	1	50
N-Nitrosodi-n-Propylamine	<20.0 U	<20.0 U	1	20
N-Nitrosodiphenylamine	<20.0 U	<20.0 U	1	20
Phenanthrene	<10.0 U	<10.0 U	1	10
Pyrene	<10.0 U	<10.0 U	1	10
1,2,4-Trichlorobenzene	<10.0 U	<10.0 U	1	10

Table 4.0(2)E - Pesticides

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Aldrin	<0.004	<0.004	1	0.01
alpha-BHC (Hexachlorocyclohexane)	<0.003	<0.003	1	0.05
beta-BHC (Hexachlorocyclohexane)	<0.004	<0.004	1	0.05
gamma-BHC (Hexachlorocyclohexane)	<0.004	<0.004	1	0.05
delta-BHC (Hexachlorocyclohexane)	<0.006	<0.006	1	0.05
Chlordane	<0.100	<0.100	1	0.2
4,4-DDT	<0.004	<0.004	1	0.02
4,4-DDE	<0.009	<0.009	1	0.1
4,4,-DDD	<0.002	<0.002	1	0.1
Dieldrin	<0.005	<0.005	1	0.02
Endosulfan I (alpha)	<0.007	<0.007	1	0.01
Endosulfan II (beta)	<0.004	<0.004	1	0.02
Endosulfan Sulfate	<0.005	<0.005	1	0.1
Endrin	<0.004	<0.004	1	0.02
Endrin Aldehyde	<0.003	<0.003	1	0.1
Heptachlor	<0.004	<0.004	1	0.01
Heptachlor Epoxide	<0.004	<0.004	1	0.01
PCB-1242	<0.0017	<0.0017	1	0.2
PCB-1254	<0.0047	<0.0047	1	0.2
PCB-1221	<0.02	<0.02	1	0.2
PCB-1232	<0.0049	<0.0049	1	0.2
PCB-1248	<0.01	<0.01	1	0.2
PCB-1260	<0.03	<0.03	1	0.2
PCB-1016	<0.03	<0.03	1	0.2
Toxaphene	<0.100	<0.100	1	0.3

* For PCBS, if all are non-detects, enter the highest non-detect preceded by a “<”.

Section 3. Dioxin/Furan Compounds

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

☐ 2,4,5-trichlorophenoxy acetic acid

Common Name 2,4,5-T, CASRN 93-76-5

☐ 2-(2,4,5-trichlorophenoxy) propanoic acid

Common Name Silvex or 2,4,5-TP, CASRN 93-72-1

☐ 2-(2,4,5-trichlorophenoxy) ethyl 2,2-dichloropropionate

Common Name Erbon, CASRN 136-25-4

☐ 0,0-dimethyl 0-(2,4,5-trichlorophenyl) phosphorothioate

Common Name Ronnel, CASRN 299-84-3

☐ 2,4,5-trichlorophenol

Common Name TCP, CASRN 95-95-4

☐ hexachlorophene

Common Name HCP, CASRN 70-30-4

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

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 6.0: INDUSTRIAL WASTE CONTRIBUTION

The following **is required** for **all publicly owned treatment works**.

Section 1. All POTWs (Instructions Page 89)

A. Industrial users (IUs)

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

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

Categorical IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0

Significant IUs – non-categorical:

Number of IUs: 0

Average Daily Flows, in MGD: 0

Other IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0

B. Treatment plant interference

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

☐ Yes ☒ No

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

N/A

C. Treatment plant pass through

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

☐ Yes ☒ No

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

N/A

D. Pretreatment program

Does your POTW have an approved pretreatment program?

☐ Yes ☒ No

If yes, complete Section 2 only of this Worksheet.

Is your POTW required to develop an approved pretreatment program?

☐ Yes ☒ No

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

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

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

A. Substantial modifications

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

☐ Yes ☐ No

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

Click to enter text.

B. Non-substantial modifications

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

☐ Yes ☐ No

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

Click to enter text.

C. Effluent parameters above the MAL

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

Table 6.0(1) – Parameters Above the MAL

Pollutant	Concentration	MAL	Units	Date

D. Industrial user interruptions

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

☐ Yes ☐ No

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

Click to enter text.

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

A. General information

Company Name: N/A

SIC Code: N/A

Contact name: N/A

Address: N/A

City, State, and Zip Code: N/A

Telephone number: N/A

Email address: N/A

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.

Appendix A – Copy of Check For Permit Application

Appendix B – Core Data Form

TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

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

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

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

☐ Other

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	**3. Regulated Entity Reference Number** *(if issued)*
CN 600636856		**RN 101919769**

SECTION II: Customer Information

4. General Customer Information | **5. Effective Date for Customer Information Updates** (mm/dd/yyyy) 11/20/2024

☐ 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 Magnolia

7. TX SOS/CPA Filing Number	**8. TX State Tax ID** (11 digits)	**9. Federal Tax ID** (9 digits)	**10. DUNS Number** *(if applicable)*
		741701468	n/a

11. Type of Customer:

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

12. Number of Employees

☐ 0-20 ☒ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher

13. Independently Owned and Operated?

☐ **Yes** ☒ **No**

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

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

15. Mailing Address:

18111 Buddy Riley Blvd

City	Magnolia	**State**	TX	**ZIP**	77354	**ZIP + 4**	

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

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(281) 356-2266		( ) -

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.)*

City of Magnolia Wastewater Treatment Facility

23. Street Address of the Regulated Entity: ***(No PO Boxes)***	30910 Nichols Sawmill Road							
	City	Magnolia	**State**	TX	**ZIP**	77355	**ZIP + 4**	
24. County	Montgomery							

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

25. Description to Physical Location:	Approximately 1.5 miles south of the intersection of FM 1774 and FM 1448

26. Nearest City	**State**	**Nearest ZIP Code**
Magnolia	TX	77355

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

27. Latitude (N) In Decimal:	30.190278		**28. Longitude (W) In Decimal:**	-95.75167	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
30	11	25	-95	45	06

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		221320	

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

Wastewater treatment services

34. Mailing Address:	**18111 Buddy Riley Blvd**							
	City	**Magnolia**	**State**	**TX**	**ZIP**	**77354**	**ZIP + 4**	
35. E-Mail Address:								

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(281) 356-2266		**( ) -**

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:
	WQ0014903001			

SECTION IV: Preparer Information

40. Name:	Koy Sanson	**41. Title:**	Project Engineer

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(936 **)** 441-7833		**( )** -	ksanson@bleylengineering.com

SECTION V: Authorized Signature

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

Company:	Bleyl Engineering	**Job Title:**	Project Engineer
Name *(In Print):*	Koy Sanson	**Phone:**	**(** 936 **)** 441- **7833**
Signature:		**Date:**	01/08/2025

Appendix C – Supplemental Permit Information Form (SPIF)

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

TCEQ USE ONLY:

Application type: ____Renewal ____Major Amendment ____Minor Amendment ____New

County: _____ Segment Number: _____

Admin Complete Date: _____

Agency Receiving SPIF:

_____ Texas Historical Commission _____ U.S. Fish and Wildlife

_____ Texas Parks and Wildlife Department _____ U.S. Army Corps of Engineers

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

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

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

The following applies to all applications:

1. Permittee: City of Magnolia

   Permit No. WQ00 14903001 EPA ID No. TX 0072702

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

   30910 Nichols Sawmill Road; Approximately 1.5 miles south of FM 1774 and FM 1488 on Nichols Sawmill Road, Magnolia, TX, Montgomery County

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: Timothy Robertson

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

Title: City Engineer

Mailing Address: 18111 Buddy Riley Blvd.

City, State, Zip Code: 77354

Phone No.: (281) 305-0546 Ext.: Click here to enter text Fax No.: Click here to enter text

E-mail Address: trobertson@cityofmagnolia.com

2. List the county in which the facility is located: Montgomery
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.

To Arnold Branch, thence to Mink Branch, thence to Walnut Creek, Thence to Spring Creek in Segment No. 1008 of the San Jacinto River Basin

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

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

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

☐ Proposed access roads, utility lines, construction easements

☐ Visual effects that could damage or detract from a historic property's integrity

☐ Vibration effects during construction or as a result of project design

☒ Additional phases of development that are planned for the future

☐ Sealing caves, fractures, sinkholes, other karst features

☐ Disturbance of vegetation or wetlands

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

N/A

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

The existing WWTP facility is fenced and cleared of vegetation. The facility is landscaped and maintained regularly.

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

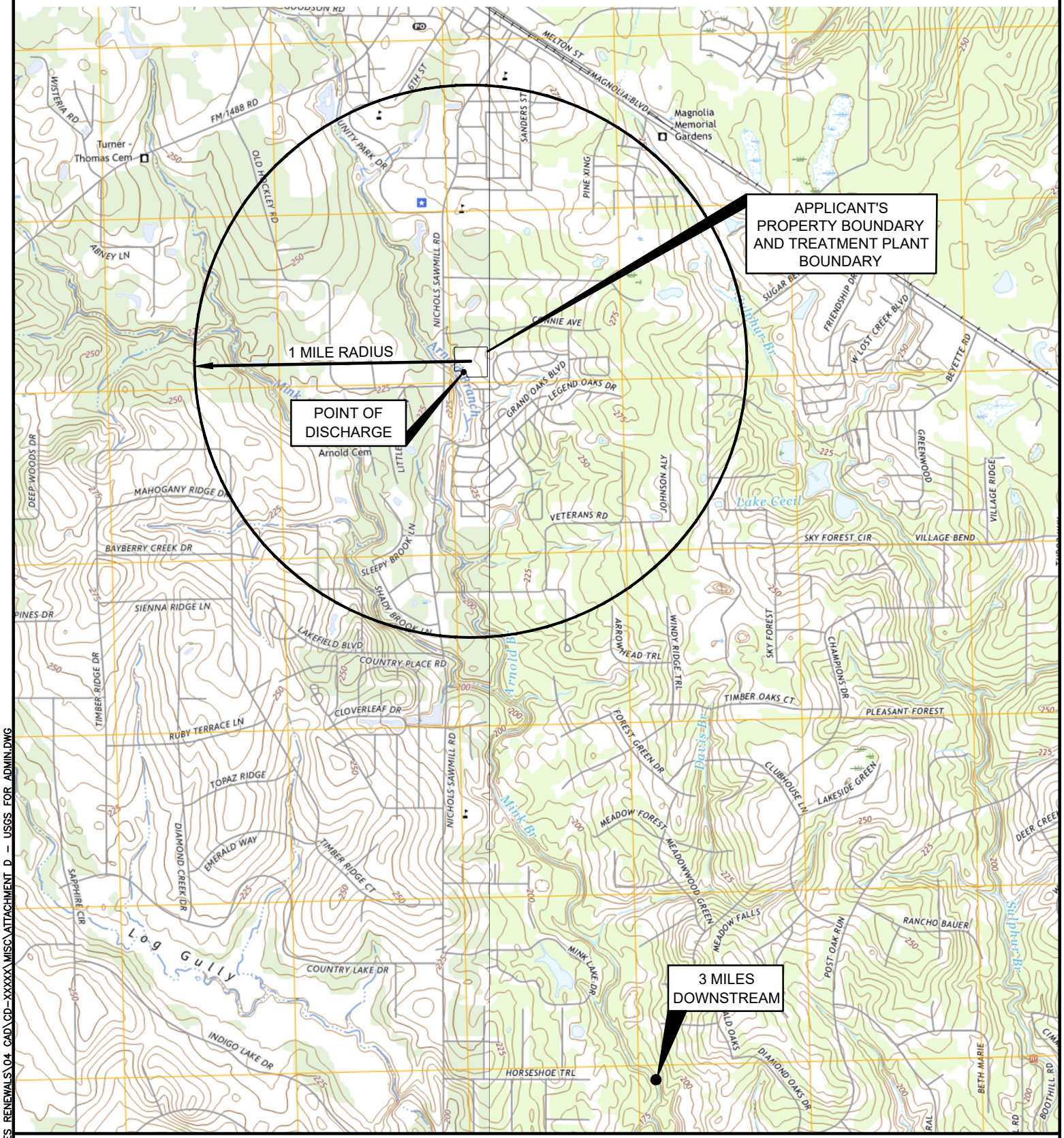
3. List construction dates of all buildings and structures on the property:

N/A

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

N/A

Appendix D – USGS Map for Domestic Administrative Report 1.0



ATTACHMENT D – USGS FOR ADMIN REPORT 1.0

N

0 1250 2500

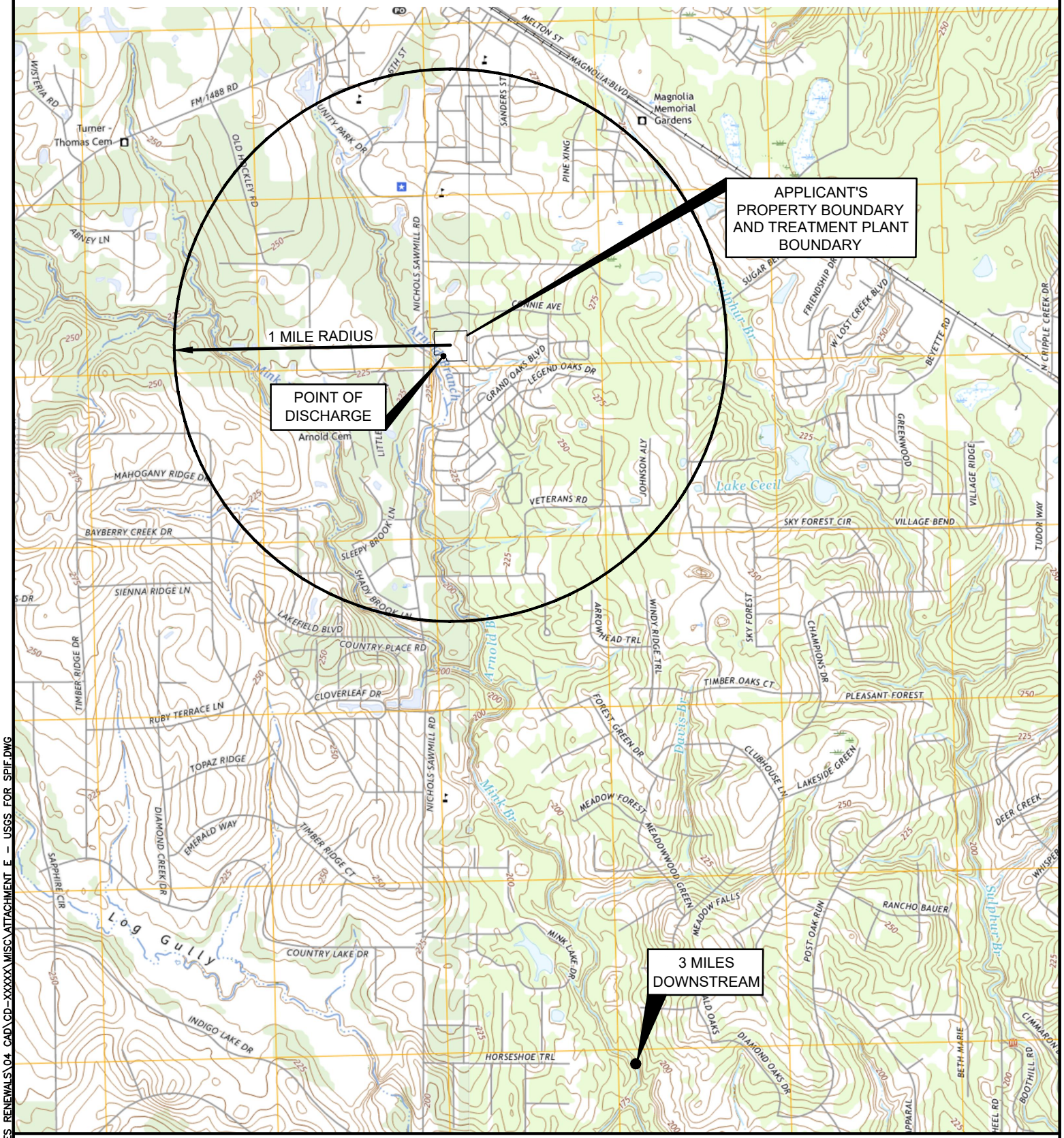
SCALE: 1" = 2500'

PROJECT NAME:	2024 CITY OF MAGNOLIA WWTP PERMIT RENEWAL
PROJECT NUMBER:	13494
PREPARED FOR:	CITY OF MAGNOLIA
DATE:	DECEMBER 2024

BLEYL ENGINEERING
TEXAS FIRM REGISTRATION NO. F-678
100 NUGENT STREET
CONROE, TEXAS 77301
PHONE 936-441-7833 FAX 936-760-3833
WWW.BLEYLENGINEERING.COM

F:\13400S\13494 CITY OF MAGNOLIA TPDES RENEWALS\04 CAD\CD-XXXXX\MISC\ATTACHMENT D – USGS FOR ADMIN.DWG

Appendix E – USGS Map for SPIF



ATTACHMENT E – USGS FOR SPIF

PROJECT NAME:	2024 CITY OF MAGNOLIA WWTP PERMIT RENEWAL
PROJECT NUMBER:	13494
PREPARED FOR:	CITY OF MAGNOLIA
DATE:	DECEMBER 2024

BLEYL ENGINEERING
TEXAS FIRM REGISTRATION NO. F-678
100 NUGENT STREET
CONROE, TEXAS 77301
PHONE 936-441-7833 FAX 936-760-3833
WWW.BLEYLENGINEERING.COM

F:\13400S\13494 CITY OF MAGNOLIA TPDES RENEWALS\04 CAD\CD-XXXXX\MISC\ATTACHMENT E – USGS FOR SPIF.DWG

Appendix F – Description of Treatment Process

BLEYL ENGINEERING
PLANNING • DESIGN • MANAGEMENT

100 Nugent Street
Conroe, TX 77301
(936) 441-7833

CITY OF MAGNOLIA

WASTEWATER TREATMENT FACILITY

TCEQ PERMIT NO. WQ0014903001

ATTACHMENT F – DESCRIPTION OF THE TREATMENT PROCESS

Existing Treatment Process:

The existing treatment facility consists of three parallel treatment trains: one (1) 0.300 MGD unit, one (1) 0.350 MGD unit, and one (1) 0.750 MGD unit. Each existing treatment unit utilizes the activated sludge treatment process.

The influent raw sewage from the collection system enters the treatment plant facility at the influent lift station. The raw sewage is proportionally split between the three (3) existing treatment trains. After the flow is split, each of the treatment units operates in the same general manner. Influent sewage is screened through a manual bar screen and then the screenings are collected and disposed of in a safe and legal manner. After manual screening, the screened influent flows into a splitter structure and then into an aeration basin in each of the treatment units. Following aeration (diffused air), mixed liquor from an aeration basin enters a final clarifier to separate the sludge solids and water (i.e. solids at bottom, clear water at top). The clear water at the top of a final clarifier flows into a chlorine contact basin. A chlorine/water solution is injected into the water (i.e. effluent) for disinfection before it enters the chlorine contact basin. The effluent is retained in the chlorine contact basin for a minimum of 20 minutes. Following disinfection, the flowrate of the effluent is measured and recorded and then discharged to the Arnold Branch.

The activated sludge that settles to the bottom of the final clarifier is either pumped to an aeration basin as return activated sludge (RAS) to keep the biomass activated or pumped as waste activated sludge (WAS) to the first stage of an aerobic digester. The decant water from the aerobic digesters in each treatment unit is then pumped back to the influent lift station. After the appropriate aeration and detention time in the digester, the digested sludge is then pumped to a belt filter press for dewatering before it is hauled to a permitted landfill.

Final Phase Treatment Process:

The final phase treatment will, once construction is completed, consist of the same treatment facilities above, but with the addition of one (1) more 0.750 MGD unit. The treatment process will remain the same as the existing treatment process.

Appendix G – Treatment Units

BLEYL ENGINEERING
PLANNING • DESIGN • MANAGEMENT

100 Nugent Street
Conroe, TX 77301
(936) 441-7833

CITY OF MAGNOLIA

WASTEWATER TREATMENT FACILITY

TCEQ PERMIT NO. WQ0014903001

ATTACHMENT G – TREATMENT UNITS

Existing Treatment Process:

0.300 MGD Treatment Unit – Circular Bulls Eye Basin

Treatment Unit Type	Number of Units	Dimensions (L x W x D)
Aeration Chamber	1	93.7’ x 16.2’ x 10.9’ SWD
Final Clarifier	1	16.9’ Diameter x 10.8’ SWD
Aerobic Digester (Total)	1	59.5’ x 16.2’ x 10.9’ SWD

0.350 MGD Treatment Unit – Circular Bulls Eye Basin

Treatment Unit Type	Number of Units	Dimensions (L x W x D)
Aeration Chamber	1	114’ x 18.1’ x 10.5’ SWD
Final Clarifier	1	19.4’ Diameter x 8.5’ SWD
Aerobic Digester (Total)	1	47.7’ x 18.1’ x 10.5’ SWD

0.750 MGD Treatment Unit – Circular Bulls Eye Basin

Treatment Unit Type	Number of Units	Dimensions (L x W x D)
Aeration Chamber	1	145.2’ x 19.0’ x 16.5’ SWD
Final Clarifier	1	57.0’ Diameter x 16.5’ SWD
Aerobic Digester (Total)	1	101.8’ x 19.0’ x 16.5’ SWD
Chlorine Contact Chamber	1	65.0’ x 6.5’ x 9.3’ SWD (Rectangular – 4 Lanes)

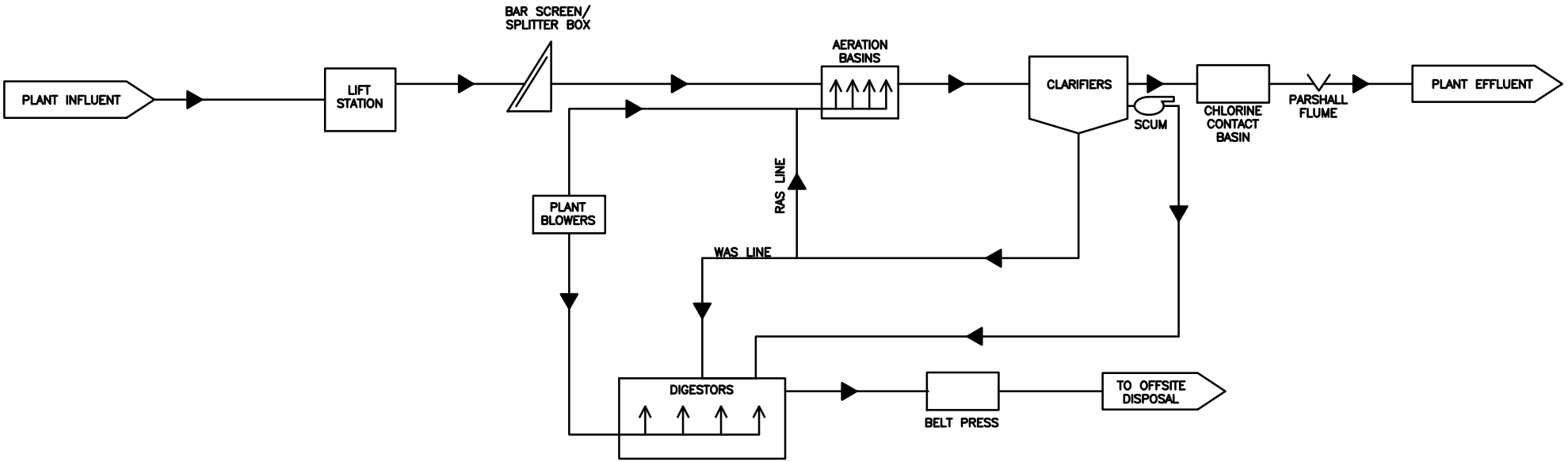
Final Phase Treatment Process:

Final Phase Treatment Units will include the Existing Treatment Units along with the below additional Unit.

0.750 MGD Treatment Unit – Circular Bulls Eye Basin

Treatment Unit Type	Number of Units	Dimensions (L x W x D)
Aeration Chamber	1	145.2’ x 19.0’ x 16.5’ SWD
Final Clarifier	1	57.0’ Diameter x 16.5’ SWD
Aerobic Digester (Total)	1	101.8’ x 19.0’ x 16.5’ SWD

Appendix H – Process Flow Diagram



PROJECT NAME:	CITY OF MAGNOLIA 2024 WWTP PERMIT RENEWAL
PROJECT NUMBER:	13494
PREPARED FOR:	CITY OF MAGNOLIA
DATE:	DECEMBER 2024

ATTACHMENT H – PROCESS FLOW DIAGRAM

BLEYL ENGINEERING
TEXAS FIRM REGISTRATION NO. F-678
WWW.BLEYLENGINEERING.COM

100 NUGENT STREET,
CONROE TEXAS 77301
PHONE 936-441-7833

F:\13400S\13494 CITY OF MAGNOLIA TPDES RENEWALS\04 CAD\CD-XXXXX\MISC\ATTACHMENT H - PROCESS FLOW DIAGRAM.DWG

Appendix I – Site Drawing

BLEYL ENGINEERING

ORIGINAL LAYOUT SIZE - 11x17

SH 249

FM 1774

FM 1488

FM 149

CITY OF MAGNOLIA
CITY LIMITS

CITY OF MAGNOLIA ETJ

WASTEWATER
TREATMENT PLANT

F:\13400S\13494 CITY OF MAGNOLIA TPDES RENEWALS\04 CAD\CD-XXXXX\MISC\ATTACHMENT L - SERVICE AREA MAP.DWG

N

0 1,500 3,000

SCALE: 1" = 3,000'

PROJECT NAME:	2024 CITY OF MAGNOLIA WWTP PERMIT RENEWAL
PROJECT NUMBER:	13494
PREPARED FOR:	CITY OF MAGNOLIA
DATE:	DECEMBER 09, 2024

ATTACHMENT I – SITE DRAWING

BLEYL ENGINEERING
TEXAS FIRM REGISTRATION NO. F-678
100 NUGENT STREET, CONROE TEXAS 77301
PHONE 936-441-7833 FAX 936-760-3833
WWW.BLEYLENGINEERING.COM

Appendix J – Plain Language Summary

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

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

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

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

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

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS
Enter 'INDUSTRIAL' or 'DOMESTIC' here 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 Magnolia (CN600636856) operates City of Magnolia Wastewater Treatment Plant (RN101919769), an 7. Enter facility description here. The facility is located at 9. Enter location here, in Magnolia, 11. Enter county name here County, Texas 77354. 13. Enter summary of application request here. *<<For TLAP applications include the following sentence, otherwise delete:>>* This permit will not authorize a discharge of pollutants into water in the state.

Discharges from the facility are expected to contain 14. List all expected pollutants here. 15. Enter types of wastewater discharged here 16. Choose from the drop-down menu treated by 17. Enter a description of wastewater treatment used at the facility here.

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

AGUAS RESIDUALES Introduzca 'INDUSTRIALES' o 'DOMÉSTICAS' aquí **/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.

1. Introduzca el nombre del solicitante aquí (2. Introduzca el número de cliente aquí (es decir, CN6########).) 3. Elija del menú desplegable 4. Introduzca el nombre de la instalación aquí 5. Introduzca el número de entidad regulada aquí (es decir, RN1########), 6. Elija del menú desplegable 7. Introduzca la descripción de la instalación aquí. La instalación 8. Elija del menú desplegable. ubicada en 9. Introduzca la ubicación aquí, en 10. Introduzca el nombre de la ciudad aquí, Condado de 11. Introduzca el nombre del condado aquí, Texas 12. Introduzca el código postal aquí. 13. Introduzca el resumen de la petición de solicitud aquí. *<<Para las solicitudes de TLAP incluya la siguiente oración, de lo contrario, elimine:>>* Este permiso no autorizará una descarga de contaminantes en el agua en el estado.

Se espera que las descargas de la instalación contengan 14. Liste todos los contaminantes esperados aquí. 15. Introduzca los tipos de aguas residuales descargadas aquí. 16. Elija del menú desplegable tratado por 17. Introduzca una descripción del tratamiento de aguas residuales utilizado en la instalación aquí.

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.

Appendix K – Effluent Lab Test Results

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

December 03, 2024

Laboratory Report

Accounting
City of Magnolia
18111 Buddy Riley Boulevard
Magnolia, TX 77354

Report ID: 20241203103544AEN

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

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

Sincerely,

Aundra Noe
Project Manager

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

City of Magnolia
18111 Buddy Riley Boulevard
Magnolia, TX 77354

Reported:
12/03/2024 10:35

Sample Results

Client Sample ID: Outfall 001
Lab Sample ID: 24K3096-01
City of Magnolia - NP - Permit Renewal [none]

Sample Matrix: Waste Water
Date Collected: 11/15/2024 7:50
Collected by: Fernando Alvarez

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
General Chemistry											
SM 4500-CN^- G	Amenable Cyanide	A	<10.0	U	ug/L	1	5.00	10.0	BHK2857	11/21/2024 15:52	MLB
SM 4500-CN^- C	Total Cyanide	A	<10.0	U	ug/L	1	5.00	10.0	BHK2857	11/21/2024 15:52	MLB
EPA 1664A	n-Hexane Extractable Material (O&G)	A	<5.00	U	mg/L	1	3.32	5.00	BHK2351	11/19/2024 08:54	IDC
Microbiology											
Enterolert/ASTM D6503-99	Enterococci	A	19.9		MPN/100 mL	1	1.00	1.00	BHK2064	11/16/2024 15:30	AGZ
SM 9223 B (Colilert Quanti-Tray)	Escherichia coli (E. coli)	A	<1.00	U	MPN/100 mL	1	1.00	1.00	BHK2060	11/16/2024 15:07	AGZ
Field											
Hach 10360	DO Field	N	7.18		mg/L	1	1.00	1.00	BHK2100	11/15/2024 07:50	FCA
Calc	Flow Field	N	0.0500		MGD	1	0.00	0.00	BHK2100	11/15/2024 07:50	FCA
SM 4500-H+ B	pH	A	6.93		pH Units @ 25 °C	1	1.00	1.00	BHK2100	11/15/2024 07:50	FCA
SM 4500-Cl G	Total Residual Chlorine	A	0.03	U	mg/L	1	0.25	0.25	BHK2100	11/15/2024 07:50	FCA

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

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

City of Magnolia
18111 Buddy Riley Boulevard
Magnolia, TX 77354

Reported:
12/03/2024 10:35

Sample Results
(Continued)

Client Sample ID: Outfall 001 Sampler
Lab Sample ID: 24K3096-02
City of Magnolia - NP - Permit Renewal [none]

Sample Matrix: Waste Water
Date Collected: 11/15/2024 5:00
Collected by: Fernando Alvarez

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Semivolatile Organic Compounds by GCMS											
ASTM D7065	Nonylphenol	N	<333	U	ug/L	2	5.97	333	BHK2199	11/19/2024 03:04	KRB
ASTM D7065	*Surrogate: n-NP-surr*		*112%*		*60-140*					*11/19/2024 03:04*	
EPA 625.1	1,2,4,5-Tetrachlorobenzene	A	<10.0	U	ug/L	1	0.0760	10.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	1,2,4-Trichlorobenzene	A	<10.0	U	ug/L	1	0.0943	10.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	1,2-Diphenylhydrazine	A	<20.0	U	ug/L	1	0.250	20.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	2,4,5-Trichlorophenol	A	<10.0	U	ug/L	1	0.210	10.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	2,4,6-Trichlorophenol	A	<10.0	U	ug/L	1	0.385	10.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	2,4-Dichlorophenol	A	<10.0	U	ug/L	1	0.256	10.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	2,4-Dimethylphenol	A	<10.0	U	ug/L	1	0.294	10.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	2,4-Dinitrophenol	A	<50.0	U	ug/L	1	2.85	50.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	2,4-Dinitrotoluene (2,4-DNT)	A	<10.0	U	ug/L	1	0.0530	10.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	2,6-Dinitrotoluene (2,6-DNT)	A	<10.0	U	ug/L	1	0.584	10.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	2-Chloronaphthalene	A	<10.0	U	ug/L	1	0.123	10.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	2-Chlorophenol	A	<10.0	U	ug/L	1	0.147	10.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph	A	<50.0	U	ug/L	1	0.511	50.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	2-Nitrophenol	A	<20.0	U	ug/L	1	0.218	20.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	4-Bromophenyl phenyl ether (BDE-3)	A	<10.0	U	ug/L	1	0.0682	10.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	4-Chloro-3-methylphenol	A	<10.0	U	ug/L	1	0.218	10.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	4-Chlorophenyl phenylether	A	<10.0	U	ug/L	1	0.207	10.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	4-Nitrophenol	A	<50.0	U	ug/L	1	2.40	50.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	Acenaphthene	A	<10.0	U	ug/L	1	0.0776	10.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	Acenaphthylene	A	<10.0	U	ug/L	1	0.0594	10.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	Anthracene	A	<10.0	U	ug/L	1	0.0532	10.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	Benzo(a)anthracene	A	<5.00	U	ug/L	1	0.0738	5.00	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	Benzo(a)pyrene	A	<5.00	U	ug/L	1	0.143	5.00	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	benzo(b&k)fluoranthene	A	<5.00	U	ug/L	1	0.118	5.00	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	Benzo(g,h,i)perylene	A	<20.0	U	ug/L	1	0.112	20.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	bis(2-Chloroethoxy)methane	A	<10.0	U	ug/L	1	0.112	10.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	bis(2-Chloroethyl) ether	A	<10.0	U	ug/L	1	0.184	10.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	Bis(2-ethylhexyl)phthalate	A	<10.0	U	ug/L	1	0.500	10.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	Butyl benzyl phthalate	A	<10.0	U	ug/L	1	0.123	10.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	Chrysene	A	<5.00	U	ug/L	1	0.0573	5.00	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	Dibenzo(a,h)anthracene	A	<5.00	U	ug/L	1	0.152	5.00	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	Diethyl phthalate	A	<10.0	U	ug/L	1	0.150	10.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	Dimethyl phthalate	A	<10.0	U	ug/L	1	0.0869	10.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	Di-n-butyl phthalate	A	<10.0	U	ug/L	1	0.505	10.0	BHK2720	11/21/2024 23:10	KRB

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Reported:
12/03/2024 10:35

Sample Results
(Continued)

Client Sample ID: Outfall 001 Sampler (Continued)
Lab Sample ID: 24K3096-02
City of Magnolia - NP - Permit Renewal [none]

Sample Matrix: Waste Water
Date Collected: 11/15/2024 5:00
Collected by: Fernando Alvarez

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Semivolatile Organic Compounds by GCMS (Continued)											
EPA 625.1	Di-n-octyl phthalate	A	<10.0	U	ug/L	1	0.163	10.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	Fluoranthene	A	<10.0	U	ug/L	1	0.0676	10.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	Fluorene	A	<10.0	U	ug/L	1	0.0589	10.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	Hexachlorobenzene	A	<5.00	U	ug/L	1	0.0629	5.00	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	Hexachlorobutadiene	A	<10.0	U	ug/L	1	0.0697	10.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	Hexachlorocyclopentadiene	A	<10.0	U	ug/L	1	0.250	10.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	Hexachloroethane	A	<20.0	U	ug/L	1	0.0644	20.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	Hexachlorophene	A	<10.0	U	ug/L	1	0.343	10.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	Indeno(1,2,3-cd) pyrene	A	<5.00	U	ug/L	1	0.126	5.00	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	Isophorone	A	<10.0	U	ug/L	1	0.0853	10.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	Naphthalene	A	<10.0	U	ug/L	1	0.0742	10.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	Nitrobenzene	A	<10.0	U	ug/L	1	0.118	10.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	n-Nitrosodimethylamine	A	<50.0	U	ug/L	1	1.24	50.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	n-Nitroso-di-n-butylamine	A	<20.0	U	ug/L	1	1.87	20.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	n-Nitrosodi-n-propylamine	A	<20.0	U	ug/L	1	0.445	20.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	Pentachlorobenzene	A	<20.0	U	ug/L	1	0.0514	20.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	Pentachlorophenol	A	<5.00	U	ug/L	1	0.437	5.00	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	Phenanthrene	A	<10.0	U	ug/L	1	0.0816	10.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	Phenol, Total	A	<10.0	U	ug/L	1	0.470	10.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	Pyrene	A	<10.0	U	ug/L	1	0.0848	10.0	BHK2720	11/21/2024 23:10	KRB
EPA 625.1	*Surrogate: 2,4,6-Tribromophenol-surr*		*154%*	*S*	*33.6-139*					*11/21/2024 23:10*	
EPA 625.1	*Surrogate: 2-Fluorobiphenyl-surr*		*80.3%*		*32.2-138*					*11/21/2024 23:10*	
EPA 625.1	*Surrogate: 2-Fluorophenol-surr*		*149%*	*S*	*32.7-137*					*11/21/2024 23:10*	
EPA 625.1	*Surrogate: Nitrobenzene-d5-surr*		*118%*		*31.2-136*					*11/21/2024 23:10*	
EPA 625.1	*Surrogate: Phenol-d5-surr*		*143%*		*28.9-155*					*11/21/2024 23:10*	
EPA 625.1	*Surrogate: p-Terphenyl-d14-surr*		*153%*	*S*	*37.6-117*					*11/21/2024 23:10*	
Organics by GC											
SM 6640 B	2,4-D	A	<0.700	C+, U	ug/L	2	0.236	0.700	BHK2214	11/21/2024 07:21	KRB
SM 6640 B	Silvex (2,4,5-TP)	A	<0.300	U	ug/L	2	0.238	0.300	BHK2214	11/21/2024 07:21	KRB
SM 6640 B	*Surrogate: DCAA-surr*		*136%*	*S*	*70-130*					*11/21/2024 07:21*	
EPA 1657	Azinphos-methyl (Guthion)	A	<0.100	U	ug/L	1	0.0333	0.100	BHK2245	11/20/2024 00:56	cdg
EPA 1657	Chlorpyrifos	A	<0.0500	U	ug/L	1	0.0257	0.0500	BHK2245	11/20/2024 00:56	cdg
EPA 1657	Demeton	A	<0.200	C+, U	ug/L	1	0.0129	0.200	BHK2245	11/20/2024 00:56	cdg
EPA 1657	Diazinon	A	<0.500	U	ug/L	1	0.0322	0.500	BHK2245	11/20/2024 00:56	cdg
EPA 1657	Malathion	A	<0.100	U	ug/L	1	0.0133	0.100	BHK2245	11/20/2024 00:56	cdg

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Reported:
12/03/2024 10:35

Sample Results
(Continued)

Client Sample ID: Outfall 001 Sampler (Continued)
Lab Sample ID: 24K3096-02
City of Magnolia - NP - Permit Renewal [none]

Sample Matrix: Waste Water
Date Collected: 11/15/2024 5:00
Collected by: Fernando Alvarez

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Organics by GC (Continued)											
EPA 1657	Parathion, ethyl	A	<0.100	U	ug/L	1	0.0207	0.100	BHK2245	11/20/2024 00:56	cdg
EPA 1657	*Surrogate: Tributyl Phosphate-surr*		*14.4%*	*S*	*40-120*					*11/20/2024 00:56*	
EPA 1657	*Surrogate: Triphenyl Phosphate-surr*		*11.1%*	*S*	*40-120*					*11/20/2024 00:56*	
Metals, Total											
EPA 200.8	Aluminum	A	34.9		ug/L	1	0.167	5.00	BHK2736	11/25/2024 10:24	JKC
EPA 200.8	Antimony	A	<5.00	U	ug/L	1	0.0589	5.00	BHK2736	11/22/2024 13:56	JKC
EPA 200.8	Arsenic	A	1.85		ug/L	1	0.0468	0.500	BHK2736	11/27/2024 11:15	ISS
EPA 200.8	Barium	A	85.0		ug/L	1	0.0200	3.00	BHK2736	11/22/2024 13:56	JKC
EPA 200.8	Beryllium	A	<0.500	U	ug/L	1	0.0137	0.500	BHK2736	11/22/2024 13:56	JKC
EPA 200.8	Cadmium	A	<1.00	U	ug/L	1	0.00798	1.00	BHK2736	11/22/2024 13:56	JKC
EPA 200.8	Chromium	A	<6.00	U	ug/L	1	0.0839	6.00	BHK2736	11/22/2024 13:56	JKC
EPA 200.8	Copper	A	<2.00	U	ug/L	1	0.182	2.00	BHK2736	11/22/2024 13:56	JKC
Calc	Chromium (III)		<0.00900		mg/L	1	8.39E-5	0.00900	[CALC]	11/22/2024 13:56	JVG
EPA 200.8	Lead	A	<0.500	U	ug/L	1	0.0120	0.500	BHK2736	11/26/2024 09:18	JKC
EPA 200.8	Nickel	A	<2.00	U	ug/L	1	0.0398	2.00	BHK2736	11/22/2024 13:56	JKC
EPA 200.8	Selenium	A	<5.00	U	ug/L	1	0.354	5.00	BHK2736	11/22/2024 13:56	JKC
EPA 200.8	Silver	A	<0.500	U	ug/L	1	0.00467	0.500	BHK2736	11/22/2024 13:56	JKC
EPA 200.8	Thallium	A	<0.500	U	ug/L	1	0.0617	0.500	BHK2736	11/22/2024 13:56	JKC
EPA 200.8	Zinc	A	45.7		ug/L	1	0.207	5.00	BHK2736	11/22/2024 13:56	JKC
Metals, Dissolved											
SM 3500-Cr B	Chromium (VI)	A	<3.00	U	ug/L	1		3.00	BHK2514	11/20/2024 10:21	JVG
General Chemistry											
SM 2320 B	Alkalinity as CaCO3	A	339		mg/L	1	10.0	10.0	BHK3075	11/25/2024 10:36	FPN
SM 5210 B	Carbonaceous BOD (CBOD)	A	2.97	FF	mg/L	1.2	2.40	2.40	BHK2073	11/20/2024 13:46	BAK
EPA 300.0	Chloride	A	169		mg/L	20	0.690	20.0	BHK2045	11/15/2024 17:21	AGZ
SM 2510 B	Conductivity	A	1400		umhos/cm @ 25 °C	1	2.00	2.00	BHK3075	11/25/2024 10:36	FPN
EPA 300.0	Fluoride	A	0.383		mg/L	1	0.0105	0.250	BHK2045	11/15/2024 17:01	AGZ
EPA 350.1	Ammonia as N	A	0.181		mg/L	1	0.0140	0.0400	BHK2259	11/18/2024 14:41	NAZ
EPA 300.0	Nitrate as N	A	11900		ug/L	1	14.2	100	BHK2045	11/15/2024 17:01	AGZ
EPA 300.0	Nitrite as N	A	<50.0	U	ug/L	1	5.10	50.0	BHK2045	11/15/2024 17:01	AGZ
EPA 300.0	Sulfate	A	57.0		mg/L	1	0.0341	1.00	BHK2045	11/15/2024 17:01	AGZ
SM 2540 C	Residue-filterable (TDS)	A	802		mg/L	1	10.0	10.0	BHK2204	11/19/2024 15:01	BP
SM 4500-NH3 C	Total Kjeldahl Nitrogen - (TKN)	A	<1.00	U	mg/L	1	0.100	1.00	BHK2276	11/19/2024 09:50	ENR
EPA 365.1	Total Phosphorus	A	0.866		mg/L	1	0.117	0.200	BHK2376	11/19/2024 17:12	GJG
SM 2540 D	Residue-nonfilterable (TSS)	A	<1.00	U	mg/L	1	1.00	1.00	BHK2209	11/19/2024 11:19	JRU

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12/03/2024 10:35

Sample Results
(Continued)

Client Sample ID: Outfall 001 Sampler
Lab Sample ID: 24K3096-02RE1
City of Magnolia - NP - Permit Renewal [none]

Sample Matrix: Waste Water
Date Collected: 11/15/2024 5:00
Collected by: Fernando Alvarez

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Semivolatile Organic Compounds by GCMS											
EPA 625.1	2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy (Rerun)	A	<10.0	U	ug/L	1	0.129	10.0	BHK2720	11/23/2024 10:08	KRB
EPA 625.1	3,4-Methylphenol (Rerun)	A	<10.0	U	ug/L	1	0.462	10.0	BHK2720	11/23/2024 10:08	KRB
EPA 625.1	n-Nitrosodiethylamine (Rerun)	A	<20.0	U	ug/L	1	0.162	20.0	BHK2720	11/23/2024 10:08	KRB
EPA 625.1	n-Nitrosodiphenylamine (Rerun)	A	<20.0	U	ug/L	1	0.0609	20.0	BHK2720	11/23/2024 10:08	KRB
EPA 625.1	Pyridine (Rerun)	A	<20.0	U	ug/L	1	4.40	20.0	BHK2720	11/23/2024 10:08	KRB
EPA 625.1	*Surrogate: 2,4,6-Tribromophenol-surr (Rerur*		*128%*		*33.6-139*					*11/23/2024 10:08*	
EPA 625.1	*Surrogate: 2-Fluorobiphenyl-surr (Rerun)*		*106%*		*32.2-138*					*11/23/2024 10:08*	
EPA 625.1	*Surrogate: 2-Fluorophenol-surr (Rerun)*		*97.7%*		*32.7-137*					*11/23/2024 10:08*	
EPA 625.1	*Surrogate: Nitrobenzene-d5-surr (Rerun)*		*114%*		*31.2-136*					*11/23/2024 10:08*	
EPA 625.1	*Surrogate: Phenol-d5-surr (Rerun)*		*117%*		*28.9-155*					*11/23/2024 10:08*	
EPA 625.1	*Surrogate: p-Terphenyl-d14-surr (Rerun)*		*95.0%*		*37.6-117*					*11/23/2024 10:08*	

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12/03/2024 10:35

Sample Results
(Continued)

Client Sample ID: Outfall 001 Sampler
Lab Sample ID: 24K3096-02RE2
City of Magnolia - NP - Permit Renewal [none]

Sample Matrix: Waste Water
Date Collected: 11/15/2024 5:00
Collected by: Fernando Alvarez

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Semivolatile Organic Compounds by GCMS											
EPA 625.1	3,3'-Dichlorobenzidine (Rerun)	A	<5.00	U	ug/L	1	3.87	5.00	BHK2720	11/27/2024 06:15	KRB
EPA 625.1	Benzidine (Rerun)	A	<50.0	U	ug/L	1	11.8	50.0	BHK2720	11/27/2024 06:15	KRB
EPA 625.1	*Surrogate: 2-Fluorobiphenyl-surr (Rerun)*		*49.2%*		*32.2-138*					*11/27/2024 06:15*	
EPA 625.1	*Surrogate: Nitrobenzene-d5-surr (Rerun)*		*66.5%*		*31.2-136*					*11/27/2024 06:15*	
EPA 625.1	*Surrogate: p-Terphenyl-d14-surr (Rerun)*		*45.0%*		*37.6-117*					*11/27/2024 06:15*	

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Sample Results
(Continued)

Client Sample ID: Outfall 001 3 Part Grab
Lab Sample ID: 24K3096-03
City of Magnolia - NP - Permit Renewal [none]

Sample Matrix: Waste Water
Date Collected: 11/15/2024 7:50
Collected by: Fernando Alvarez

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Metals, Total											
EPA 1631E	Mercury	A	<0.00500	U	ug/L	1	0.00250	0.00500	BHK2630	11/27/2024 12:25	TBB

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Reported:
12/03/2024 10:35

Sample Results
(Continued)

Client Sample ID: Outfall 001 3 Part Grab Composite
Lab Sample ID: 24K3096-04
City of Magnolia - NP - Permit Renewal [none]

Sample Matrix: Waste Water
Date Collected: 11/15/2024 7:50
Collected by: Fernando Alvarez

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Volatile Organic Compounds by GCMS											
EPA 624.1	1,1,1-Trichloroethane	A	<10.0	U	ug/L	1	0.622	10.0	BHK2340	11/18/2024 20:54	DDB
EPA 624.1	1,1,2,2-Tetrachloroethane	A	<10.0	U	ug/L	1	0.867	10.0	BHK2340	11/18/2024 20:54	DDB
EPA 624.1	1,1,2-Trichloroethane	A	<10.0	U	ug/L	1	0.789	10.0	BHK2340	11/18/2024 20:54	DDB
EPA 624.1	1,1-Dichloroethane	A	<10.0	U	ug/L	1	0.967	10.0	BHK2340	11/18/2024 20:54	DDB
EPA 624.1	1,1-Dichloroethylene	A	<10.0	U	ug/L	1	0.849	10.0	BHK2340	11/18/2024 20:54	DDB
EPA 624.1	1,2-Dibromoethane (EDB, Ethylene dibromide)	A	<10.0	U	ug/L	1	0.706	10.0	BHK2340	11/18/2024 20:54	DDB
EPA 624.1	1,2-Dichlorobenzene (o-Dichlorobenzene)	A	<10.0	U	ug/L	1	0.881	10.0	BHK2340	11/18/2024 20:54	DDB
EPA 624.1	1,2-Dichloroethane (Ethylene dichloride)	A	<10.0	U	ug/L	1	0.870	10.0	BHK2340	11/18/2024 20:54	DDB
EPA 624.1	1,2-Dichloropropane	A	<10.0	U	ug/L	1	0.854	10.0	BHK2340	11/18/2024 20:54	DDB
EPA 624.1	1,3-Dichlorobenzene (m-Dichlorobenzene)	A	<10.0	U	ug/L	1	0.717	10.0	BHK2340	11/18/2024 20:54	DDB
EPA 624.1	1,4-Dichlorobenzene (p-Dichlorobenzene)	A	<10.0	U	ug/L	1	0.641	10.0	BHK2340	11/18/2024 20:54	DDB
EPA 624.1	2-Butanone (Methyl ethyl ketone, MEK)	A	<50.0	U	ug/L	1	7.38	50.0	BHK2340	11/18/2024 20:54	DDB
EPA 624.1	2-Chloroethyl vinyl ether	A	<10.0	U	ug/L	1	3.14	10.0	BHK2340	11/18/2024 20:54	DDB
EPA 624.1	Acrolein (Propenal)	A	<17.0	U	ug/L	1	5.68	17.0	BHK2340	11/18/2024 20:54	DDB
EPA 624.1	Acrylonitrile	A	<50.0	U	ug/L	1	1.60	50.0	BHK2340	11/18/2024 20:54	DDB
EPA 624.1	Benzene	A	<10.0	U	ug/L	1	0.604	10.0	BHK2340	11/18/2024 20:54	DDB
EPA 624.1	Bromodichloromethane	A	13.2		ug/L	1	0.727	10.0	BHK2340	11/18/2024 20:54	DDB
EPA 624.1	Bromoform	A	<10.0	U	ug/L	1	0.678	10.0	BHK2340	11/18/2024 20:54	DDB
EPA 624.1	Carbon tetrachloride	A	<2.00	U	ug/L	1	0.500	2.00	BHK2340	11/18/2024 20:54	DDB
EPA 624.1	Chlorobenzene	A	<10.0	U	ug/L	1	0.724	10.0	BHK2340	11/18/2024 20:54	DDB
EPA 624.1	Chlorodibromomethane	A	<10.0	U	ug/L	1	0.802	10.0	BHK2340	11/18/2024 20:54	DDB
EPA 624.1	Chloroethane (Ethyl chloride)	A	<50.0	U	ug/L	1	1.30	50.0	BHK2340	11/18/2024 20:54	DDB
EPA 624.1	Chloroform	A	<10.0	U	ug/L	1	0.688	10.0	BHK2340	11/18/2024 20:54	DDB
EPA 624.1	cis-1,3-Dichloropropene	A	<10.0	U	ug/L	1	0.580	10.0	BHK2340	11/18/2024 20:54	DDB
EPA 624.1	Ethylbenzene	A	<10.0	U	ug/L	1	0.727	10.0	BHK2340	11/18/2024 20:54	DDB
EPA 624.1	Methyl bromide (Bromomethane)	A	<50.0	U	ug/L	1	1.42	50.0	BHK2340	11/18/2024 20:54	DDB
EPA 624.1	Methyl chloride (Chloromethane)	A	<50.0	U	ug/L	1	0.765	50.0	BHK2340	11/18/2024 20:54	DDB
EPA 624.1	Methylene chloride (Dichloromethane)	A	<20.0	U	ug/L	1	1.60	20.0	BHK2340	11/18/2024 20:54	DDB
EPA 624.1	Tetrachloroethylene (Perchloroethylene)	A	<10.0	U	ug/L	1	0.703	10.0	BHK2340	11/18/2024 20:54	DDB
EPA 624.1	Toluene	A	<10.0	U	ug/L	1	0.649	10.0	BHK2340	11/18/2024 20:54	DDB
EPA 624.1	Total Trihalomethanes (TTHMs)	A	26.5		ug/L	1	2.00	10.0	BHK2340	11/18/2024 20:54	DDB
EPA 624.1	trans-1,2-Dichloroethylene	A	<10.0	U	ug/L	1	0.899	10.0	BHK2340	11/18/2024 20:54	DDB

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12/03/2024 10:35

Sample Results
(Continued)

Client Sample ID: Outfall 001 3 Part Grab Composite (Continued)
Lab Sample ID: 24K3096-04
City of Magnolia - NP - Permit Renewal [none]

Sample Matrix: Waste Water
Date Collected: 11/15/2024 7:50
Collected by: Fernando Alvarez

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Volatile Organic Compounds by GCMS (Continued)											
EPA 624.1	trans-1,3-Dichloropropylene	A	<10.0	U	ug/L	1	0.496	10.0	BHK2340	11/18/2024 20:54	DDB
EPA 624.1	Trichloroethene (Trichloroethylene)	A	<10.0	U	ug/L	1	0.744	10.0	BHK2340	11/18/2024 20:54	DDB
EPA 624.1	Vinyl chloride (Chloroethene)	A	<10.0	U	ug/L	1	1.30	10.0	BHK2340	11/18/2024 20:54	DDB
EPA 624.1	*Surrogate: 4-Bromofluorobenzene-surr*		*101%*		*70-130*					*11/18/2024 20:54*	
EPA 624.1	*Surrogate: 1,2-Dichloroethane-d4-surr*		*92.9%*		*70-130*					*11/18/2024 20:54*	
EPA 624.1	*Surrogate: Dibromofluoromethane-surr*		*109%*		*70-130*					*11/18/2024 20:54*	
EPA 624.1	*Surrogate: Toluene-d8-surr*		*99.3%*		*70-130*					*11/18/2024 20:54*	

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Sample Results
(Continued)

Client Sample ID: 18 Mohm DI
Lab Sample ID: 24K3096-05
City of Magnolia - NP - Permit Renewal [none]

Sample Matrix: Waste Water
Date Collected: 11/15/2024 7:50
Collected by: Fernando Alvarez

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Metals, Total											
EPA 1631E	Mercury	A	<0.00500	U	ug/L	1	0.00250	0.00500	BHK2630	11/27/2024 12:20	TBB

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Sample Results
(Continued)

Client Sample ID: 18 Mohm DI
Lab Sample ID: 24K3268-01
City of Magnolia - Outfall 001-3 Part Grab Comp 1 [none]

Sample Matrix: Waste Water
Date Collected: 11/16/2024 8:45
Collected by: Eddie Blackshear

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Metals, Total											
EPA 1631E	Mercury	A	<0.00500	U	ug/L	1	0.00250	0.00500	BHK3275	11/27/2024 16:07	TBB

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Sample Results
(Continued)

Client Sample ID: Outfall 001 3 Part Grab
Lab Sample ID: 24K3268-02
City of Magnolia - Outfall 001-3 Part Grab Comp 1 [none]

Sample Matrix: Waste Water
Date Collected: 11/16/2024 8:45
Collected by: Eddie Blackshear

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Metals, Total											
EPA 1631E	Mercury	A	<0.00500	U	ug/L	1	0.00250	0.00500	BHK3275	11/27/2024 16:12	TBB

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12/03/2024 10:35

Sample Results
(Continued)

Client Sample ID: 18 Mohm DI
Lab Sample ID: 24K3269-01
City of Magnolia - Outfall 001-3 Part Grab Comp 2 [none]

Sample Matrix: Waste Water
Date Collected: 11/16/2024 13:10
Collected by: Eddie Blackshear

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Metals, Total											
EPA 1631E	Mercury	A	<0.00500	U	ug/L	1	0.00250	0.00500	BHK3275	11/27/2024 16:17	TBB

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Sample Results
(Continued)

Client Sample ID: Outfall 001 3 Part Grab
Lab Sample ID: 24K3269-02
City of Magnolia - Outfall 001-3 Part Grab Comp 2 [none]

Sample Matrix: Waste Water
Date Collected: 11/16/2024 13:10
Collected by: Eddie Blackshear

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Metals, Total											
EPA 1631E	Mercury	A	<0.00500	U	ug/L	1	0.00250	0.00500	BHK3275	11/27/2024 16:22	TBB

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Quality Control

Volatile Organic Compounds by GCMS

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHK2340 - EPA 624										
Blank (BHK2340-BLK1)					Prepared & Analyzed: 11/18/2024					
1,1,1-Trichloroethane	<10.0	U	10.0	ug/L						
1,1,2,2-Tetrachloroethane	<10.0	U	10.0	ug/L						
1,1,2-Trichloroethane	<10.0	U	10.0	ug/L						
1,1-Dichloroethane	<10.0	U	10.0	ug/L						
1,1-Dichloroethylene	<10.0	U	10.0	ug/L						
1,2-Dibromoethane (EDB, Ethylene dibromide)	<10.0	U	10.0	ug/L						
1,2-Dichlorobenzene (o-Dichlorobenzene)	<10.0	U	10.0	ug/L						
1,2-Dichloroethane (Ethylene dichloride)	<10.0	U	10.0	ug/L						
1,2-Dichloropropane	<10.0	U	10.0	ug/L						
1,3-Dichlorobenzene (m-Dichlorobenzene)	<10.0	U	10.0	ug/L						
1,4-Dichlorobenzene (p-Dichlorobenzene)	<10.0	U	10.0	ug/L						
2-Butanone (Methyl ethyl ketone, MEK)	<50.0	U	50.0	ug/L						
2-Chloroethyl vinyl ether	<10.0	U	10.0	ug/L						
Acrolein (Propenal)	<17.0	U	17.0	ug/L						
Acrylonitrile	<50.0	U	50.0	ug/L						
Benzene	<10.0	U	10.0	ug/L						
Bromodichloromethane	<10.0	U	10.0	ug/L						
Bromoform	<10.0	U	10.0	ug/L						
Carbon tetrachloride	<2.00	U	2.00	ug/L						
Chlorobenzene	<10.0	U	10.0	ug/L						
Chlorodibromomethane	<10.0	U	10.0	ug/L						
Chloroethane (Ethyl chloride)	<50.0	U	50.0	ug/L						
Chloroform	<10.0	U	10.0	ug/L						
cis-1,3-Dichloropropene	<10.0	U	10.0	ug/L						
Ethylbenzene	<10.0	U	10.0	ug/L						
Methyl bromide (Bromomethane)	<50.0	U	50.0	ug/L						
Methyl chloride (Chloromethane)	<50.0	U	50.0	ug/L						
Methylene chloride (Dichloromethane)	<20.0	U	20.0	ug/L						
Tetrachloroethylene (Perchloroethylene)	<10.0	U	10.0	ug/L						
Toluene	<10.0	U	10.0	ug/L						
Total Trihalomethanes (TTHMs)	<10.0	U	10.0	ug/L						
trans-1,2-Dichloroethylene	<10.0	U	10.0	ug/L						
trans-1,3-Dichloropropylene	<10.0	U	10.0	ug/L						
Trichloroethene (Trichloroethylene)	<10.0	U	10.0	ug/L						
Vinyl chloride (Chloroethene)	<10.0	U	10.0	ug/L						
Surrogate: 4-Bromofluorobenzene-surr			*50.8*	*ug/L*	*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4-surr			*38.0*	*ug/L*	*50.0*		*76.0*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*48.2*	*ug/L*	*50.0*		*96.4*	*70-130*		
Surrogate: Toluene-d8-surr			*50.4*	*ug/L*	*50.0*		*101*	*70-130*		

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Quality Control
(Continued)

Volatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHK2340 - EPA 624 (Continued)										
LCS (BHK2340-BS1)					Prepared & Analyzed: 11/18/2024					
1,1,1-Trichloroethane	41.3		10.0	ug/L	50.0		82.6	70-130		
1,1,2,2-Tetrachloroethane	37.8		10.0	ug/L	50.0		75.6	60-140		
1,1,2-Trichloroethane	37.8		10.0	ug/L	50.0		75.6	70-130		
1,1-Dichloroethane	43.2		10.0	ug/L	50.0		86.5	70-130		
1,1-Dichloroethylene	47.6		10.0	ug/L	50.0		95.1	50-150		
1,2-Dibromoethane (EDB, Ethylene dibromide)	38.1		10.0	ug/L	50.0		76.2	70-130		
1,2-Dichlorobenzene (o-Dichlorobenzene)	43.0		10.0	ug/L	50.0		86.0	65-135		
1,2-Dichloroethane (Ethylene dichloride)	38.2		10.0	ug/L	50.0		76.3	70-130		
1,2-Dichloropropane	39.3		10.0	ug/L	50.0		78.7	35-165		
1,3-Dichlorobenzene (m-Dichlorobenzene)	42.9		10.0	ug/L	50.0		85.8	70-130		
1,4-Dichlorobenzene (p-Dichlorobenzene)	42.1		10.0	ug/L	50.0		84.3	65-135		
2-Butanone (Methyl ethyl ketone, MEK)	385		50.0	ug/L	500		76.9	70-130		
2-Chloroethyl vinyl ether	34.6		10.0	ug/L	50.0		69.1	0-225		
Acrolein (Propenal)	197		50.0	ug/L	250		79.0	60-140		
Acrylonitrile	44.6	U	50.0	ug/L	50.0		89.1	60-140		
Benzene	41.2		10.0	ug/L	50.0		82.3	65-135		
Bromodichloromethane	37.9		10.0	ug/L	50.0		75.7	65-135		
Bromoform	35.6		10.0	ug/L	50.0		71.2	70-130		
Carbon tetrachloride	41.3		2.00	ug/L	50.0		82.6	70-130		
Chlorobenzene	42.4		10.0	ug/L	50.0		84.8	65-135		
Chlorodibromomethane	39.1		10.0	ug/L	50.0		78.2	70-135		
Chloroethane (Ethyl chloride)	53.2		50.0	ug/L	50.0		106	40-160		
Chloroform	39.9		10.0	ug/L	50.0		79.8	70-135		
cis-1,3-Dichloropropene	38.5		10.0	ug/L	50.0		76.9	25-175		
Ethylbenzene	43.6		10.0	ug/L	50.0		87.3	60-140		
Methyl bromide (Bromomethane)	51.8		50.0	ug/L	50.0		104	15-185		
Methyl chloride (Chloromethane)	52.5		50.0	ug/L	50.0		105	0-205		
Methylene chloride (Dichloromethane)	51.4		20.0	ug/L	50.0		103	60-140		
Tetrachloroethylene (Perchloroethylene)	45.8		10.0	ug/L	50.0		91.6	70-130		
Toluene	47.4		10.0	ug/L	50.0		94.9	70-130		
Total Trihalomethanes (TTHMs)	152		10.0	ug/L	200		76.2	70-130		
trans-1,2-Dichloroethylene	41.7		10.0	ug/L	50.0		83.3	70-130		
trans-1,3-Dichloropropylene	38.6		10.0	ug/L	50.0		77.2	50-150		
Trichloroethene (Trichloroethylene)	40.7		10.0	ug/L	50.0		81.4	65-135		
Vinyl chloride (Chloroethene)	48.3		10.0	ug/L	50.0		96.7	5-195		
Surrogate: 4-Bromofluorobenzene-surr			*53.5*	*ug/L*	*50.0*		*107*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4-surr			*48.5*	*ug/L*	*50.0*		*97.0*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*50.8*	*ug/L*	*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8-surr			*51.6*	*ug/L*	*50.0*		*103*	*70-130*		

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Quality Control
(Continued)

Volatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHK2340 - EPA 624 (Continued)										
LCS Dup (BHK2340-BSD1)					Prepared & Analyzed: 11/18/2024					
1,1,1-Trichloroethane	40.5		10.0	ug/L	50.0		81.0	70-130	1.96	36
1,1,2,2-Tetrachloroethane	39.6		10.0	ug/L	50.0		79.3	60-140	4.74	61
1,1,2-Trichloroethane	39.2		10.0	ug/L	50.0		78.5	70-130	3.78	45
1,1-Dichloroethane	40.1		10.0	ug/L	50.0		80.1	70-130	7.62	40
1,1-Dichloroethylene	40.7		10.0	ug/L	50.0		81.4	50-150	15.6	32
1,2-Dibromoethane (EDB, Ethylene dibromide)	40.5		10.0	ug/L	50.0		81.1	70-130	6.23	30
1,2-Dichlorobenzene (o-Dichlorobenzene)	40.8		10.0	ug/L	50.0		81.7	65-135	5.18	57
1,2-Dichloroethane (Ethylene dichloride)	39.6		10.0	ug/L	50.0		79.3	70-130	3.81	49
1,2-Dichloropropane	39.6		10.0	ug/L	50.0		79.3	35-165	0.704	55
1,3-Dichlorobenzene (m-Dichlorobenzene)	40.4		10.0	ug/L	50.0		80.8	70-130	6.00	43
1,4-Dichlorobenzene (p-Dichlorobenzene)	40.4		10.0	ug/L	50.0		80.9	65-135	4.14	57
2-Butanone (Methyl ethyl ketone, MEK)	414		50.0	ug/L	500		82.8	70-130	7.41	30
2-Chloroethyl vinyl ether	43.0		10.0	ug/L	50.0		86.0	0-225	21.7	71
Acrolein (Propenal)	219		50.0	ug/L	250		87.4	60-140	10.2	60
Acrylonitrile	45.3	U	50.0	ug/L	50.0		90.5	60-140	1.52	60
Benzene	40.6		10.0	ug/L	50.0		81.2	65-135	1.40	61
Bromodichloromethane	40.0		10.0	ug/L	50.0		80.0	65-135	5.44	56
Bromoform	39.4		10.0	ug/L	50.0		78.7	70-130	10.1	42
Carbon tetrachloride	40.9		2.00	ug/L	50.0		81.7	70-130	1.12	41
Chlorobenzene	40.4		10.0	ug/L	50.0		80.8	65-135	4.91	53
Chlorodibromomethane	40.1		10.0	ug/L	50.0		80.1	70-135	2.44	50
Chloroethane (Ethyl chloride)	38.5	U	50.0	ug/L	50.0		77.0	40-160	32.2	78
Chloroform	36.8		10.0	ug/L	50.0		73.7	70-135	7.99	54
cis-1,3-Dichloropropene	40.3		10.0	ug/L	50.0		80.7	25-175	4.78	58
Ethylbenzene	40.1		10.0	ug/L	50.0		80.2	60-140	8.42	63
Methyl bromide (Bromomethane)	39.7	U	50.0	ug/L	50.0		79.4	15-185	26.5	61
Methyl chloride (Chloromethane)	39.8	U	50.0	ug/L	50.0		79.6	0-205	27.5	60
Methylene chloride (Dichloromethane)	40.6		20.0	ug/L	50.0		81.2	60-140	23.4	28
Tetrachloroethylene (Perchloroethylene)	40.2		10.0	ug/L	50.0		80.5	70-130	13.0	39
Toluene	39.8		10.0	ug/L	50.0		79.6	70-130	17.5	41
Total Trihalomethanes (TTHMs)	156		10.0	ug/L	200		78.1	70-130	2.45	30
trans-1,2-Dichloroethylene	40.2		10.0	ug/L	50.0		80.4	70-130	3.58	45
trans-1,3-Dichloropropylene	40.7		10.0	ug/L	50.0		81.4	50-150	5.26	86
Trichloroethene (Trichloroethylene)	40.7		10.0	ug/L	50.0		81.4	65-135	0.0173	48
Vinyl chloride (Chloroethene)	40.4		10.0	ug/L	50.0		80.7	5-195	18.0	66
Surrogate: 4-Bromofluorobenzene-surr			*50.8*	*ug/L*	*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4-surr			*52.3*	*ug/L*	*50.0*		*105*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*49.7*	*ug/L*	*50.0*		*99.4*	*70-130*		
Surrogate: Toluene-d8-surr			*49.3*	*ug/L*	*50.0*		*98.7*	*70-130*		

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Quality Control
(Continued)

Volatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHK2340 - EPA 624 (Continued)										
Matrix Spike (BHK2340-MS1)	**Source: 24K3105-04**				Prepared & Analyzed: 11/18/2024					
1,1,1-Trichloroethane	53.3		10.0	ug/L	50.0	<10.0	107	52-162		
1,1,2,2-Tetrachloroethane	47.6		10.0	ug/L	50.0	<10.0	95.2	46-157		
1,1,2-Trichloroethane	47.4		10.0	ug/L	50.0	<10.0	94.9	52-150		
1,1-Dichloroethane	58.5		10.0	ug/L	50.0	<10.0	117	59-155		
1,1-Dichloroethylene	62.7		10.0	ug/L	50.0	<10.0	125	0-234		
1,2-Dibromoethane (EDB, Ethylene dibromide)	49.2		10.0	ug/L	50.0	<10.0	98.3	70-130		
1,2-Dichlorobenzene (o-Dichlorobenzene)	53.9		10.0	ug/L	50.0	<10.0	108	18-190		
1,2-Dichloroethane (Ethylene dichloride)	51.4		10.0	ug/L	50.0	<10.0	103	49-155		
1,2-Dichloropropane	49.3		10.0	ug/L	50.0	<10.0	98.7	0-210		
1,3-Dichlorobenzene (m-Dichlorobenzene)	54.6		10.0	ug/L	50.0	<10.0	109	59-156		
1,4-Dichlorobenzene (p-Dichlorobenzene)	54.6		10.0	ug/L	50.0	<10.0	109	18-190		
2-Butanone (Methyl ethyl ketone, MEK)	560		50.0	ug/L	500	<50.0	112	70-130		
2-Chloroethyl vinyl ether	47.5		10.0	ug/L	50.0	<10.0	95.0	0-305		
Acrolein (Propenal)	65.6	J1	50.0	ug/L	250	<50.0	26.3	40-160		
Acrylonitrile	59.6		50.0	ug/L	50.0	<50.0	119	40-160		
Benzene	53.2		10.0	ug/L	50.0	<10.0	106	37-151		
Bromodichloromethane	77.0		10.0	ug/L	50.0	21.9	110	35-155		
Bromoform	46.4		10.0	ug/L	50.0	1.29	90.2	45-169		
Carbon tetrachloride	52.8		2.00	ug/L	50.0	<2.00	106	70-140		
Chlorobenzene	54.3		10.0	ug/L	50.0	<10.0	109	37-160		
Chlorodibromomethane	65.3		10.0	ug/L	50.0	19.7	91.2	53-149		
Chloroethane (Ethyl chloride)	78.4		50.0	ug/L	50.0	<50.0	157	14-230		
Chloroform	84.7	J1	10.0	ug/L	50.0	7.69	154	51-138		
cis-1,3-Dichloropropene	49.0		10.0	ug/L	50.0	<10.0	97.9	0-227		
Ethylbenzene	55.3		10.0	ug/L	50.0	<10.0	111	37-162		
Methyl bromide (Bromomethane)	72.5		50.0	ug/L	50.0	<50.0	145	0-242		
Methyl chloride (Chloromethane)	74.5		50.0	ug/L	50.0	<50.0	149	0-273		
Methylene chloride (Dichloromethane)	68.1		20.0	ug/L	50.0	<20.0	136	0-221		
Tetrachloroethylene (Perchloroethylene)	60.3		10.0	ug/L	50.0	<10.0	121	64-148		
Toluene	61.1		10.0	ug/L	50.0	<10.0	122	47-150		
Total Trihalomethanes (TTHMs)	273		10.0	ug/L	200	50.6	111	70-130		
trans-1,2-Dichloroethylene	55.1		10.0	ug/L	50.0	<10.0	110	54-156		
trans-1,3-Dichloropropylene	49.2		10.0	ug/L	50.0	<10.0	98.4	17-183		
Trichloroethene (Trichloroethylene)	51.8		10.0	ug/L	50.0	<10.0	104	70-157		
Vinyl chloride (Chloroethene)	61.1		10.0	ug/L	50.0	<10.0	122	0-251		
Surrogate: 4-Bromofluorobenzene-surr			*52.0*	*ug/L*	*50.0*		*104*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4-surr			*50.7*	*ug/L*	*50.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*52.4*	*ug/L*	*50.0*		*105*	*70-130*		
Surrogate: Toluene-d8-surr			*48.9*	*ug/L*	*50.0*		*97.7*	*70-130*		

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12/03/2024 10:35

Quality Control
(Continued)

Volatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHK2340 - EPA 624 (Continued)										
Matrix Spike Dup (BHK2340-MSD1)	**Source: 24K3105-04**				Prepared & Analyzed: 11/18/2024					
1,1,1-Trichloroethane	58.0		10.0	ug/L	50.0	<10.0	116	52-162	8.52	36
1,1,2,2-Tetrachloroethane	50.2		10.0	ug/L	50.0	<10.0	100	46-157	5.27	61
1,1,2-Trichloroethane	50.9		10.0	ug/L	50.0	<10.0	102	52-150	6.95	45
1,1-Dichloroethane	56.9		10.0	ug/L	50.0	<10.0	114	59-155	2.84	40
1,1-Dichloroethylene	61.5		10.0	ug/L	50.0	<10.0	123	0-234	1.89	32
1,2-Dibromoethane (EDB, Ethylene dibromide)	52.2		10.0	ug/L	50.0	<10.0	104	70-130	5.96	30
1,2-Dichlorobenzene (o-Dichlorobenzene)	51.5		10.0	ug/L	50.0	<10.0	103	18-190	4.57	57
1,2-Dichloroethane (Ethylene dichloride)	52.9		10.0	ug/L	50.0	<10.0	106	49-155	2.89	49
1,2-Dichloropropane	53.2		10.0	ug/L	50.0	<10.0	106	0-210	7.46	55
1,3-Dichlorobenzene (m-Dichlorobenzene)	52.0		10.0	ug/L	50.0	<10.0	104	59-156	4.92	43
1,4-Dichlorobenzene (p-Dichlorobenzene)	51.1		10.0	ug/L	50.0	<10.0	102	18-190	6.62	57
2-Butanone (Methyl ethyl ketone, MEK)	588		50.0	ug/L	500	<50.0	118	70-130	4.90	30
2-Chloroethyl vinyl ether	61.1		10.0	ug/L	50.0	<10.0	122	0-305	25.1	71
Acrolein (Propenal)	59.3	J1	50.0	ug/L	250	<50.0	23.7	40-160	10.1	60
Acrylonitrile	59.0		50.0	ug/L	50.0	<50.0	118	40-160	0.897	60
Benzene	54.4		10.0	ug/L	50.0	<10.0	109	37-151	2.22	61
Bromodichloromethane	85.4		10.0	ug/L	50.0	21.9	127	35-155	10.3	56
Bromoform	51.0		10.0	ug/L	50.0	1.29	99.5	45-169	9.60	42
Carbon tetrachloride	56.4		2.00	ug/L	50.0	<2.00	113	70-140	6.47	41
Chlorobenzene	56.1		10.0	ug/L	50.0	<10.0	112	37-160	3.26	53
Chlorodibromomethane	72.0		10.0	ug/L	50.0	19.7	105	53-149	9.74	50
Chloroethane (Ethyl chloride)	77.3		50.0	ug/L	50.0	<50.0	155	14-230	1.43	78
Chloroform	88.9	J1	10.0	ug/L	50.0	7.69	162	51-138	4.89	54
cis-1,3-Dichloropropene	52.3		10.0	ug/L	50.0	<10.0	105	0-227	6.53	58
Ethylbenzene	56.3		10.0	ug/L	50.0	<10.0	113	37-162	1.84	63
Methyl bromide (Bromomethane)	74.5		50.0	ug/L	50.0	<50.0	149	0-242	2.75	61
Methyl chloride (Chloromethane)	72.9		50.0	ug/L	50.0	<50.0	146	0-273	2.26	60
Methylene chloride (Dichloromethane)	59.9		20.0	ug/L	50.0	<20.0	120	0-221	12.9	28
Tetrachloroethylene (Perchloroethylene)	59.0		10.0	ug/L	50.0	<10.0	118	64-148	2.06	39
Toluene	58.0		10.0	ug/L	50.0	<10.0	116	47-150	5.17	41
Total Trihalomethanes (TTHMs)	297		10.0	ug/L	200	50.6	123	70-130	8.40	30
trans-1,2-Dichloroethylene	56.9		10.0	ug/L	50.0	<10.0	114	54-156	3.18	45
trans-1,3-Dichloropropylene	51.7		10.0	ug/L	50.0	<10.0	103	17-183	4.93	86
Trichloroethene (Trichloroethylene)	55.3		10.0	ug/L	50.0	<10.0	111	70-157	6.59	48
Vinyl chloride (Chloroethene)	62.9		10.0	ug/L	50.0	<10.0	126	0-251	2.93	66
Surrogate: 4-Bromofluorobenzene-surr			*50.5*	*ug/L*	*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4-surr			*51.5*	*ug/L*	*50.0*		*103*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*50.2*	*ug/L*	*50.0*		*100*	*70-130*		
Surrogate: Toluene-d8-surr			*50.8*	*ug/L*	*50.0*		*102*	*70-130*		

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Quality Control
(Continued)

Semivolatile Organic Compounds by GCMS

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHK2199 - SW-3511										
Blank (BHK2199-BLK1)					Prepared & Analyzed: 11/18/2024					
Nonylphenol	<333	U	333	ug/L						
Surrogate: n-NP-surr			*8.10*	*ug/L*	*8.00*		*101*	*60-140*		
LCS (BHK2199-BS1)					Prepared: 11/18/2024 Analyzed: 11/19/2024					
Nonylphenol	47.8	J1, U	333	ug/L	39.9		120	56-112		
Surrogate: n-NP-surr			*9.70*	*ug/L*	*7.99*		*121*	*60-140*		
LCS Dup (BHK2199-BSD1)					Prepared: 11/18/2024 Analyzed: 11/19/2024					
Nonylphenol	46.4	J1, U	333	ug/L	40.0		116	56-112	2.97	22
Surrogate: n-NP-surr			*9.24*	*ug/L*	*8.00*		*116*	*60-140*		
Matrix Spike (BHK2199-MS1)		**Source: 24K3096-02**			Prepared: 11/18/2024 Analyzed: 11/19/2024					
Nonylphenol	44.7	U	333	ug/L	39.9	<333	112	56-112		
Surrogate: n-NP-surr			*8.79*	*ug/L*	*7.98*		*110*	*60-140*		
Matrix Spike Dup (BHK2199-MSD1)		**Source: 24K3096-02**			Prepared: 11/18/2024 Analyzed: 11/19/2024					
Nonylphenol	47.3	J1, U	333	ug/L	39.8	<333	119	56-112	5.69	22
Surrogate: n-NP-surr			*9.25*	*ug/L*	*7.96*		*116*	*60-140*		
Batch: BHK2720 - EPA 625 LLE										
Blank (BHK2720-BLK1)					Prepared: 11/20/2024 Analyzed: 11/21/2024					
1,2,4,5-Tetrachlorobenzene	<0.300	U	0.300	ug/L						
1,2,4-Trichlorobenzene	<0.300	U	0.300	ug/L						
1,2-Diphenylhydrazine	<0.750	U	0.750	ug/L						
2,4,5-Trichlorophenol	<0.700	U	0.700	ug/L						
2,4,6-Trichlorophenol	<1.20	U	1.20	ug/L						
2,4-Dichlorophenol	<0.800	U	0.800	ug/L						
2,4-Dimethylphenol	<0.900	U	0.900	ug/L						
2,4-Dinitrophenol	<8.60	U	8.60	ug/L						
2,4-Dinitrotoluene (2,4-DNT)	<0.200	U	0.200	ug/L						
2,6-Dinitrotoluene (2,6-DNT)	<1.80	U	1.80	ug/L						
2-Chloronaphthalene	<0.400	U	0.400	ug/L						
2-Chlorophenol	<0.500	U	0.500	ug/L						
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph	<1.60	U	1.60	ug/L						
2-Nitrophenol	<0.700	U	0.700	ug/L						
4-Bromophenyl phenyl ether (BDE-3)	<0.300	U	0.300	ug/L						
4-Chloro-3-methylphenol	<0.700	U	0.700	ug/L						
4-Chlorophenyl phenylether	<0.700	U	0.700	ug/L						
4-Nitrophenol	<7.20	U	7.20	ug/L						
Acenaphthene	<0.300	U	0.300	ug/L						
Acenaphthylene	<0.200	U	0.200	ug/L						
Anthracene	<0.200	U	0.200	ug/L						
Benzo(a)anthracene	<0.300	U	0.300	ug/L						
Benzo(a)pyrene	<0.500	U	0.500	ug/L						

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Quality Control
(Continued)

Semivolatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHK2720 - EPA 625 LLE (Continued)										
Blank (BHK2720-BLK1)					Prepared: 11/20/2024 Analyzed: 11/21/2024					
benzo(b&k)fluoranthene	<0.400	U	0.400	ug/L						
Benzo(g,h,i)perylene	<0.400	U	0.400	ug/L						
bis(2-Chloroethoxy)methane	<0.400	U	0.400	ug/L						
bis(2-Chloroethyl) ether	<0.600	U	0.600	ug/L						
Bis(2-ethylhexyl)phthalate	<1.50	U	1.50	ug/L						
Butyl benzyl phthalate	<0.400	U	0.400	ug/L						
Chrysene	<0.200	U	0.200	ug/L						
Dibenzo(a,h)anthracene	<0.500	U	0.500	ug/L						
Diethyl phthalate	<0.500	U	0.500	ug/L						
Dimethyl phthalate	<0.300	U	0.300	ug/L						
Di-n-butyl phthalate	<1.60	U	1.60	ug/L						
Di-n-octyl phthalate	<0.500	U	0.500	ug/L						
Fluoranthene	<0.300	U	0.300	ug/L						
Fluorene	<0.200	U	0.200	ug/L						
Hexachlorobenzene	<0.200	U	0.200	ug/L						
Hexachlorobutadiene	<0.300	U	0.300	ug/L						
Hexachlorocyclopentadiene	<0.750	U	0.750	ug/L						
Hexachloroethane	<0.200	U	0.200	ug/L						
Hexachlorophene	<1.10	U	1.10	ug/L						
Indeno(1,2,3-cd) pyrene	<0.400	U	0.400	ug/L						
Isophorone	<0.300	U	0.300	ug/L						
Naphthalene	<0.300	U	0.300	ug/L						
Nitrobenzene	<0.400	U	0.400	ug/L						
n-Nitrosodimethylamine	<3.80	U	3.80	ug/L						
n-Nitroso-di-n-butylamine	<5.70	U	5.70	ug/L						
n-Nitrosodi-n-propylamine	<1.40	U	1.40	ug/L						
Pentachlorobenzene	<0.200	U	0.200	ug/L						
Pentachlorophenol	<1.40	U	1.40	ug/L						
Phenanthrene	<0.300	U	0.300	ug/L						
Phenol, Total	<1.50	U	1.50	ug/L						
Pyrene	<0.300	U	0.300	ug/L						
Surrogate: 2,4,6-Tribromophenol-surr			*3.36*	*ug/L*	*4.00*		*83.9*	*33.6-139*		
Surrogate: 2-Fluorobiphenyl-surr			*1.75*	*ug/L*	*2.00*		*87.4*	*32.2-138*		
Surrogate: 2-Fluorophenol-surr			*3.50*	*ug/L*	*4.00*		*87.6*	*32.7-137*		
Surrogate: Nitrobenzene-d5-surr			*1.63*	*ug/L*	*2.00*		*81.7*	*31.2-136*		
Surrogate: Phenol-d5-surr			*3.49*	*ug/L*	*4.00*		*87.3*	*28.9-155*		
Surrogate: p-Terphenyl-d14-surr			*1.78*	*ug/L*	*2.00*		*88.9*	*37.6-117*		

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Quality Control
(Continued)

Semivolatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHK2720 - EPA 625 LLE (Continued)										
Blank (BHK2720-BLK2)				Prepared: 11/20/2024 Analyzed: 11/23/2024						
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy	<10.0	U	10.0	ug/L						
3,4-Methylphenol	<10.0	U	10.0	ug/L						
n-Nitrosodiethylamine	<20.0	U	20.0	ug/L						
n-Nitrosodiphenylamine	<20.0	CQ, U	20.0	ug/L						
Pyridine	<20.0	U	20.0	ug/L						
Surrogate: 2,4,6-Tribromophenol-surr		*CQ, S*	*6.74*	*ug/L*	*4.00*		*168*	*33.6-139*		
Surrogate: 2-Fluorobiphenyl-surr		*CQ*	*2.39*	*ug/L*	*2.00*		*119*	*32.2-138*		
Surrogate: 2-Fluorophenol-surr		*CQ*	*3.79*	*ug/L*	*4.00*		*94.7*	*32.7-137*		
Surrogate: Nitrobenzene-d5-surr			*2.06*	*ug/L*	*2.00*		*103*	*31.2-136*		
Surrogate: Phenol-d5-surr			*4.06*	*ug/L*	*4.00*		*101*	*28.9-155*		
Surrogate: p-Terphenyl-d14-surr		*CQ*	*2.17*	*ug/L*	*2.00*		*108*	*37.6-117*		
Blank (BHK2720-BLK3)				Prepared: 11/20/2024 Analyzed: 11/27/2024						
3,3'-Dichlorobenzidine	<5.00	U	5.00	ug/L						
Benzidine	<50.0	U	50.0	ug/L						
Surrogate: 2-Fluorobiphenyl-surr			*0.950*	*ug/L*	*2.00*		*47.5*	*32.2-138*		
Surrogate: Nitrobenzene-d5-surr			*1.10*	*ug/L*	*2.00*		*55.0*	*31.2-136*		
Surrogate: p-Terphenyl-d14-surr			*0.765*	*ug/L*	*2.00*		*38.3*	*37.6-117*		
LCS BENZ (BHK2720-BS1)				Prepared: 11/20/2024 Analyzed: 11/27/2024						
3,3'-Dichlorobenzidine	24.7		4.00	ug/L	50.0		49.4	0-262		
Benzidine	<16.0	U	16.0	ug/L	50.0			0-131		
Surrogate: 2-Fluorobiphenyl-surr			*0.947*	*ug/L*	*2.00*		*47.4*	*32.2-138*		
Surrogate: Nitrobenzene-d5-surr			*1.10*	*ug/L*	*2.00*		*55.2*	*31.2-136*		
Surrogate: p-Terphenyl-d14-surr			*0.812*	*ug/L*	*2.00*		*40.6*	*37.6-117*		
LCS (BHK2720-BS2)				Prepared: 11/20/2024 Analyzed: 11/21/2024						
1,2,4,5-Tetrachlorobenzene	2.10		0.300	ug/L	2.00		105	60-140		
1,2,4-Trichlorobenzene	1.76		0.300	ug/L	2.00		87.9	44-142		
1,2-Diphenylhydrazine	1.48		0.750	ug/L	2.00		74.0	60-140		
2,4,5-Trichlorophenol	3.72		0.700	ug/L	4.00		92.9	60-140		
2,4,6-Trichlorophenol	3.90		1.20	ug/L	4.00		97.4	37-144		
2,4-Dichlorophenol	3.53		0.800	ug/L	4.00		88.2	39-135		
2,4-Dimethylphenol	2.83		0.900	ug/L	4.00		70.8	32-120		
2,4-Dinitrophenol	11.2		8.60	ug/L	10.0		112	0-191		
2,4-Dinitrotoluene (2,4-DNT)	1.94		0.200	ug/L	2.00		97.2	39-139		
2,6-Dinitrotoluene (2,6-DNT)	2.00		1.80	ug/L	2.00		99.8	50-158		
2-Chloronaphthalene	1.95		0.400	ug/L	2.00		97.6	60-120		
2-Chlorophenol	2.98		0.500	ug/L	4.00		74.4	23-134		
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph	3.49		1.60	ug/L	4.00		87.3	0-181		
2-Nitrophenol	3.42		0.700	ug/L	4.00		85.4	29-182		
4-Bromophenyl phenyl ether (BDE-3)	2.01		0.300	ug/L	2.00		101	53-127		
4-Chloro-3-methylphenol	2.72		0.700	ug/L	4.00		67.9	22-147		
4-Chlorophenyl phenylether	1.82		0.700	ug/L	2.00		90.9	25-158		
4-Nitrophenol	9.63		7.20	ug/L	10.0		96.3	0-132		

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18111 Buddy Riley Boulevard
Magnolia, TX 77354

Reported:
12/03/2024 10:35

Quality Control
(Continued)

Semivolatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHK2720 - EPA 625 LLE (Continued)										
LCS (BHK2720-BS2)					Prepared: 11/20/2024 Analyzed: 11/21/2024					
Acenaphthene	1.64		0.300	ug/L	2.00		82.0	47-145		
Acenaphthylene	1.54		0.200	ug/L	2.00		76.9	33-145		
Anthracene	1.74		0.200	ug/L	2.00		87.1	27-133		
Benzo(a)anthracene	1.78		0.300	ug/L	2.00		89.0	33-143		
Benzo(a)pyrene	1.87		0.500	ug/L	2.00		93.6	17-163		
benzo(b&k)fluoranthene	3.86		0.400	ug/L	4.00		96.4	60-140		
Benzo(g,h,i)perylene	1.81		0.400	ug/L	2.00		90.6	0-219		
bis(2-Chloroethoxy)methane	1.65		0.400	ug/L	2.00		82.3	33-184		
bis(2-Chloroethyl) ether	1.32		0.600	ug/L	2.00		65.9	12-158		
Bis(2-ethylhexyl)phthalate	2.21		1.50	ug/L	2.00		111	8-158		
Butyl benzyl phthalate	1.74		0.400	ug/L	2.00		87.0	0-152		
Chrysene	2.04		0.200	ug/L	2.00		102	17-168		
Dibenzo(a,h)anthracene	1.86		0.500	ug/L	2.00		93.0	0-227		
Diethyl phthalate	1.77		0.500	ug/L	2.00		88.5	0-120		
Dimethyl phthalate	1.93		0.300	ug/L	2.00		96.6	0-120		
Di-n-butyl phthalate	2.39		1.60	ug/L	2.00		119	1-120		
Di-n-octyl phthalate	1.86		0.500	ug/L	2.00		93.1	4-146		
Fluoranthene	1.72		0.300	ug/L	2.00		86.0	26-137		
Fluorene	1.79		0.200	ug/L	2.00		89.5	59-121		
Hexachlorobenzene	1.53		0.200	ug/L	2.00		76.5	0-152		
Hexachlorobutadiene	1.82		0.300	ug/L	2.00		91.2	24-120		
Hexachlorocyclopentadiene	1.99		0.750	ug/L	2.00		99.7	60-140		
Hexachloroethane	1.58		0.200	ug/L	2.00		79.1	40-120		
Hexachlorophene	3.59		1.10	ug/L	4.00		89.7	60-140		
Indeno(1,2,3-cd) pyrene	1.85		0.400	ug/L	2.00		92.5	0-171		
Isophorone	1.43		0.300	ug/L	2.00		71.3	21-196		
Naphthalene	1.63		0.300	ug/L	2.00		81.5	21-133		
Nitrobenzene	1.75		0.400	ug/L	2.00		87.5	35-180		
n-Nitrosodimethylamine	1.40	U	3.80	ug/L	10.0		14.0	4.18-37.2		
n-Nitroso-di-n-butylamine	<5.70	U	5.70	ug/L	2.00			60-140		
n-Nitrosodi-n-propylamine	1.19	U	1.40	ug/L	2.00		59.6	0-230		
Pentachlorobenzene	1.38		0.200	ug/L	2.00		69.2	60-140		
Pentachlorophenol	3.65		1.40	ug/L	4.00		91.4	14-176		
Phenanthrene	1.81		0.300	ug/L	2.00		90.3	54-120		
Phenol, Total	2.87		1.50	ug/L	4.00		71.8	5-120		
Pyrene	1.76		0.300	ug/L	2.00		88.2	52-120		
Surrogate: 2,4,6-Tribromophenol-surr			*3.31*	*ug/L*	*4.00*		*82.6*	*33.6-139*		
Surrogate: 2-Fluorobiphenyl-surr			*1.59*	*ug/L*	*2.00*		*79.5*	*32.2-138*		
Surrogate: 2-Fluorophenol-surr			*3.31*	*ug/L*	*4.00*		*82.7*	*32.7-137*		
Surrogate: Nitrobenzene-d5-surr			*1.49*	*ug/L*	*2.00*		*74.6*	*31.2-136*		
Surrogate: Phenol-d5-surr			*3.53*	*ug/L*	*4.00*		*88.2*	*28.9-155*		
Surrogate: p-Terphenyl-d14-surr			*1.61*	*ug/L*	*2.00*		*80.4*	*37.6-117*		

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Quality Control
(Continued)

Semivolatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHK2720 - EPA 625 LLE (Continued)										
LCS (BHK2720-BS3)					Prepared: 11/20/2024 Analyzed: 11/23/2024					
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy	1.53		0.400	ug/L	2.00		76.3	60-140		
3,4-Methylphenol	6.26	L	1.40	ug/L	8.00		78.3	60-140		
n-Nitrosodiethylamine	0.682	J1	0.500	ug/L	2.00		34.1	60-140		
n-Nitrosodiphenylamine	1.30		0.200	ug/L	2.00		65.0	60-140		
Pyridine	<13.3	U	13.3	ug/L	10.0			0-137		
Surrogate: 2,4,6-Tribromophenol-surr			*5.28*	*ug/L*	*4.00*		*132*	*33.6-139*		
Surrogate: 2-Fluorobiphenyl-surr			*1.63*	*ug/L*	*2.00*		*81.5*	*32.2-138*		
Surrogate: 2-Fluorophenol-surr			*3.33*	*ug/L*	*4.00*		*83.2*	*32.7-137*		
Surrogate: Nitrobenzene-d5-surr			*1.68*	*ug/L*	*2.00*		*84.1*	*31.2-136*		
Surrogate: Phenol-d5-surr			*3.95*	*ug/L*	*4.00*		*98.7*	*28.9-155*		
Surrogate: p-Terphenyl-d14-surr			*2.21*	*ug/L*	*2.00*		*110*	*37.6-117*		
LCSD BENZ (BHK2720-BSD1)					Prepared: 11/20/2024 Analyzed: 11/27/2024					
3,3'-Dichlorobenzidine	31.9		5.00	ug/L	50.0		63.8	0-262	25.4	108
Benzidine	<50.0	U	50.0	ug/L	50.0			0-131	200	40
Surrogate: 2-Fluorobiphenyl-surr			*0.950*	*ug/L*	*2.00*		*47.5*	*32.2-138*		
Surrogate: Nitrobenzene-d5-surr			*1.18*	*ug/L*	*2.00*		*58.8*	*31.2-136*		
Surrogate: p-Terphenyl-d14-surr			*0.884*	*ug/L*	*2.00*		*44.2*	*37.6-117*		
LCS Dup (BHK2720-BSD2)					Prepared: 11/20/2024 Analyzed: 11/21/2024					
1,2,4,5-Tetrachlorobenzene	2.28		0.300	ug/L	2.00		114	60-140	8.67	40
1,2,4-Trichlorobenzene	1.73		0.300	ug/L	2.00		86.6	44-142	1.56	50
1,2-Diphenylhydrazine	1.49		0.750	ug/L	2.00		74.7	60-140	0.886	40
2,4,5-Trichlorophenol	3.51		0.700	ug/L	4.00		87.8	60-140	5.72	40
2,4,6-Trichlorophenol	3.84		1.20	ug/L	4.00		96.1	37-144	1.32	58
2,4-Dichlorophenol	3.54		0.800	ug/L	4.00		88.5	39-135	0.399	50
2,4-Dimethylphenol	2.91		0.900	ug/L	4.00		72.7	32-120	2.73	58
2,4-Dinitrophenol	10.8		8.60	ug/L	10.0		108	0-191	4.11	132
2,4-Dinitrotoluene (2,4-DNT)	1.87		0.200	ug/L	2.00		93.5	39-139	3.87	42
2,6-Dinitrotoluene (2,6-DNT)	2.07		1.80	ug/L	2.00		103	50-158	3.57	48
2-Chloronaphthalene	1.93		0.400	ug/L	2.00		96.6	60-120	1.04	24
2-Chlorophenol	3.15		0.500	ug/L	4.00		78.7	23-134	5.59	61
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph	3.40		1.60	ug/L	4.00		85.1	0-181	2.63	203
2-Nitrophenol	3.33		0.700	ug/L	4.00		83.3	29-182	2.44	55
4-Bromophenyl phenyl ether (BDE-3)	1.76		0.300	ug/L	2.00		87.8	53-127	13.7	43
4-Chloro-3-methylphenol	2.93		0.700	ug/L	4.00		73.2	22-147	7.54	73
4-Chlorophenyl phenylether	1.74		0.700	ug/L	2.00		87.2	25-158	4.25	61
4-Nitrophenol	9.26		7.20	ug/L	10.0		92.6	0-132	3.95	131
Acenaphthene	1.69		0.300	ug/L	2.00		84.5	47-145	3.06	48
Acenaphthylene	1.50		0.200	ug/L	2.00		74.9	33-145	2.61	74
Anthracene	1.68		0.200	ug/L	2.00		83.8	27-133	3.85	66
Benzo(a)anthracene	1.69		0.300	ug/L	2.00		84.5	33-143	5.14	53
Benzo(a)pyrene	1.76		0.500	ug/L	2.00		88.1	17-163	6.09	72
benzo(b&k)fluoranthene	3.74		0.400	ug/L	4.00		93.5	60-140	3.12	40
Benzo(g,h,i)perylene	1.80		0.400	ug/L	2.00		90.0	0-219	0.683	97

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Quality Control
(Continued)

Semivolatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHK2720 - EPA 625 LLE (Continued)										
LCS Dup (BHK2720-BSD2)					Prepared: 11/20/2024 Analyzed: 11/21/2024					
bis(2-Chloroethoxy)methane	1.61		0.400	ug/L	2.00		80.5	33-184	2.22	54
bis(2-Chloroethyl) ether	1.41		0.600	ug/L	2.00		70.3	12-158	6.46	108
Bis(2-ethylhexyl)phthalate	2.10		1.50	ug/L	2.00		105	8-158	5.09	82
Butyl benzyl phthalate	1.69		0.400	ug/L	2.00		84.6	0-152	2.84	60
Chrysene	1.95		0.200	ug/L	2.00		97.7	17-168	4.31	87
Dibenzo(a,h)anthracene	1.79		0.500	ug/L	2.00		89.6	0-227	3.72	126
Diethyl phthalate	1.73		0.500	ug/L	2.00		86.5	0-120	2.29	100
Dimethyl phthalate	1.78		0.300	ug/L	2.00		89.2	0-120	7.94	183
Di-n-butyl phthalate	2.16		1.60	ug/L	2.00		108	1-120	10.0	47
Di-n-octyl phthalate	1.84		0.500	ug/L	2.00		91.8	4-146	1.46	69
Fluoranthene	1.62		0.300	ug/L	2.00		81.0	26-137	6.04	66
Fluorene	1.77		0.200	ug/L	2.00		88.3	59-121	1.31	38
Hexachlorobenzene	1.65		0.200	ug/L	2.00		82.5	0-152	7.50	55
Hexachlorobutadiene	1.40		0.300	ug/L	2.00		69.8	24-120	26.7	62
Hexachlorocyclopentadiene	1.82		0.750	ug/L	2.00		90.8	60-140	9.31	40
Hexachloroethane	1.30		0.200	ug/L	2.00		64.8	40-120	19.9	52
Hexachlorophene	5.22		1.10	ug/L	4.00		130	60-140	37.0	40
Indeno(1,2,3-cd) pyrene	1.80		0.400	ug/L	2.00		90.1	0-171	2.55	99
Isophorone	1.41		0.300	ug/L	2.00		70.4	21-196	1.25	93
Naphthalene	1.67		0.300	ug/L	2.00		83.7	21-133	2.73	65
Nitrobenzene	1.61		0.400	ug/L	2.00		80.4	35-180	8.42	62
n-Nitrosodimethylamine	1.40	U	3.80	ug/L	10.0		14.0	4.18-37.2	0.0480	40
n-Nitroso-di-n-butylamine	<5.70	U	5.70	ug/L	2.00			60-140	200	40
n-Nitrosodi-n-propylamine	1.20	U	1.40	ug/L	2.00		60.2	0-230	0.942	87
Pentachlorobenzene	1.42		0.200	ug/L	2.00		70.9	60-140	2.44	40
Pentachlorophenol	3.53		1.40	ug/L	4.00		88.2	14-176	3.55	86
Phenanthrene	1.70		0.300	ug/L	2.00		85.0	54-120	6.09	39
Phenol, Total	2.97		1.50	ug/L	4.00		74.2	5-120	3.39	64
Pyrene	1.73		0.300	ug/L	2.00		86.3	52-120	2.14	49
Surrogate: 2,4,6-Tribromophenol-surr			*3.76*	*ug/L*	*4.00*		*94.1*	*33.6-139*		
Surrogate: 2-Fluorobiphenyl-surr			*1.71*	*ug/L*	*2.00*		*85.3*	*32.2-138*		
Surrogate: 2-Fluorophenol-surr			*3.20*	*ug/L*	*4.00*		*80.1*	*32.7-137*		
Surrogate: Nitrobenzene-d5-surr			*1.49*	*ug/L*	*2.00*		*74.5*	*31.2-136*		
Surrogate: Phenol-d5-surr			*3.46*	*ug/L*	*4.00*		*86.6*	*28.9-155*		
Surrogate: p-Terphenyl-d14-surr			*1.61*	*ug/L*	*2.00*		*80.3*	*37.6-117*		

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Quality Control
(Continued)

Semivolatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHK2720 - EPA 625 LLE (Continued)										
LCS Dup (BHK2720-BSD3)					Prepared: 11/20/2024 Analyzed: 11/23/2024					
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy	1.68	U	10.0	ug/L	2.00		83.9	60-140	9.50	40
3,4-Methylphenol	6.59	L, U	10.0	ug/L	8.00		82.3	60-140	5.07	40
n-Nitrosodiethylamine	0.781	J1, U	20.0	ug/L	2.00		39.0	60-140	13.5	40
n-Nitrosodiphenylamine	0.917	J1, U	20.0	ug/L	2.00		45.9	60-140	34.5	40
Pyridine	<20.0	U	20.0	ug/L	10.0			0-137	200	40
Surrogate: 2,4,6-Tribromophenol-surr			*4.57*	*ug/L*	*4.00*		*114*	*33.6-139*		
Surrogate: 2-Fluorobiphenyl-surr			*1.63*	*ug/L*	*2.00*		*81.4*	*32.2-138*		
Surrogate: 2-Fluorophenol-surr			*3.76*	*ug/L*	*4.00*		*94.1*	*32.7-137*		
Surrogate: Nitrobenzene-d5-surr			*1.99*	*ug/L*	*2.00*		*99.5*	*31.2-136*		
Surrogate: Phenol-d5-surr			*4.25*	*ug/L*	*4.00*		*106*	*28.9-155*		
Surrogate: p-Terphenyl-d14-surr		*S*	*2.38*	*ug/L*	*2.00*		*119*	*37.6-117*		
Matrix Spike (BHK2720-MS1)		**Source: 24K3096-02**			Prepared: 11/20/2024 Analyzed: 11/21/2024					
1,2,4,5-Tetrachlorobenzene	2.12		0.300	ug/L	2.00	<0.300	106	60-140		
1,2,4-Trichlorobenzene	1.65		0.300	ug/L	2.00	<0.300	82.4	44-142		
1,2-Diphenylhydrazine	1.64		0.750	ug/L	2.00	0.335	65.1	60-140		
2,4,5-Trichlorophenol	3.98		0.700	ug/L	4.00	<0.700	99.6	60-140		
2,4,6-Trichlorophenol	4.24		1.20	ug/L	4.00	<1.20	106	37-144		
2,4-Dichlorophenol	3.55		0.800	ug/L	4.00	<0.800	88.8	39-135		
2,4-Dimethylphenol	2.95		0.900	ug/L	4.00	<0.900	73.7	32-120		
2,4-Dinitrophenol	11.8		8.60	ug/L	10.0	<8.60	118	0-191		
2,4-Dinitrotoluene (2,4-DNT)	1.94		0.200	ug/L	2.00	<0.200	96.8	39-139		
2,6-Dinitrotoluene (2,6-DNT)	2.51		1.80	ug/L	2.00	<1.80	125	50-158		
2-Chloronaphthalene	1.98		0.400	ug/L	2.00	<0.400	99.1	60-120		
2-Chlorophenol	2.89		0.500	ug/L	4.00	<0.500	72.3	23-134		
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph	3.81		1.60	ug/L	4.00	<1.60	95.1	0-181		
2-Nitrophenol	3.39		0.700	ug/L	4.00	<0.700	84.7	29-182		
4-Bromophenyl phenyl ether (BDE-3)	1.72		0.300	ug/L	2.00	<0.300	85.9	53-127		
4-Chloro-3-methylphenol	3.07		0.700	ug/L	4.00	<0.700	76.6	22-147		
4-Chlorophenyl phenylether	1.66		0.700	ug/L	2.00	<0.700	83.2	25-158		
4-Nitrophenol	9.04		7.20	ug/L	10.0	<7.20	90.4	0-132		
Acenaphthene	1.57		0.300	ug/L	2.00	<0.300	78.3	47-145		
Acenaphthylene	1.25		0.200	ug/L	2.00	<0.200	62.5	33-145		
Anthracene	1.65		0.200	ug/L	2.00	<0.200	82.5	27-133		
Benzo(a)anthracene	1.71		0.300	ug/L	2.00	<0.300	85.6	33-143		
Benzo(a)pyrene	1.69		0.500	ug/L	2.00	<0.500	84.5	17-163		
benzo(b&k)fluoranthene	3.80		0.400	ug/L	4.00	<0.400	95.0	60-140		
Benzo(g,h,i)perylene	1.71		0.400	ug/L	2.00	<0.400	85.3	0-219		
bis(2-Chloroethoxy)methane	1.63		0.400	ug/L	2.00	<0.400	81.4	33-184		
bis(2-Chloroethyl) ether	1.35		0.600	ug/L	2.00	<0.600	67.5	12-158		
Bis(2-ethylhexyl)phthalate	2.34		1.50	ug/L	2.00	<1.50	117	8-158		
Butyl benzyl phthalate	1.61		0.400	ug/L	2.00	<0.400	80.3	0-152		
Chrysene	1.94		0.200	ug/L	2.00	<0.200	97.0	17-168		
Dibenzo(a,h)anthracene	1.82		0.500	ug/L	2.00	<0.500	91.1	0-227		
Diethyl phthalate	1.89		0.500	ug/L	2.00	0.415	73.7	0-120		
Dimethyl phthalate	1.94		0.300	ug/L	2.00	<0.300	97.1	0-120		

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Reported:
12/03/2024 10:35

Quality Control
(Continued)

Semivolatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHK2720 - EPA 625 LLE (Continued)										
Matrix Spike (BHK2720-MS1)	**Source: 24K3096-02**				Prepared: 11/20/2024 Analyzed: 11/21/2024					
Di-n-butyl phthalate	2.32		1.60	ug/L	2.00	0.632	84.4	1-120		
Di-n-octyl phthalate	1.85		0.500	ug/L	2.00	<0.500	92.3	4-146		
Fluoranthene	1.65		0.300	ug/L	2.00	<0.300	82.5	26-137		
Fluorene	1.63		0.200	ug/L	2.00	<0.200	81.3	59-121		
Hexachlorobenzene	1.50		0.200	ug/L	2.00	<0.200	75.2	0-152		
Hexachlorobutadiene	1.41		0.300	ug/L	2.00	<0.300	70.3	24-120		
Hexachlorocyclopentadiene	2.48		0.750	ug/L	2.00	0.355	106	60-140		
Hexachloroethane	1.34		0.200	ug/L	2.00	<0.200	66.9	40-120		
Hexachlorophene	4.33		1.10	ug/L	4.00	<1.10	108	60-140		
Indeno(1,2,3-cd) pyrene	1.82		0.400	ug/L	2.00	<0.400	90.8	0-171		
Isophorone	1.42		0.300	ug/L	2.00	<0.300	71.0	21-196		
Naphthalene	1.71		0.300	ug/L	2.00	<0.300	85.3	21-133		
Nitrobenzene	1.86		0.400	ug/L	2.00	<0.400	93.1	35-180		
n-Nitrosodimethylamine	1.68	U	3.80	ug/L	10.0	<3.80	16.8	4.18-91		
n-Nitroso-di-n-butylamine	<5.70	U	5.70	ug/L	2.00	<5.70		60-140		
n-Nitrosodi-n-propylamine	1.23	U	1.40	ug/L	2.00	<1.40	61.7	0-230		
Pentachlorobenzene	1.22		0.200	ug/L	2.00	<0.200	60.8	60-140		
Pentachlorophenol	3.69		1.40	ug/L	4.00	<1.40	92.2	14-176		
Phenanthrene	1.77		0.300	ug/L	2.00	<0.300	88.7	54-120		
Phenol, Total	2.90		1.50	ug/L	4.00	<1.50	72.5	5-120		
Pyrene	1.62		0.300	ug/L	2.00	<0.300	81.2	52-120		
Surrogate: 2,4,6-Tribromophenol-surr			*3.73*	*ug/L*	*4.00*		*93.2*	*33.6-139*		
Surrogate: 2-Fluorobiphenyl-surr			*1.69*	*ug/L*	*2.00*		*84.3*	*32.2-138*		
Surrogate: 2-Fluorophenol-surr			*3.13*	*ug/L*	*4.00*		*78.4*	*32.7-137*		
Surrogate: Nitrobenzene-d5-surr			*1.48*	*ug/L*	*2.00*		*73.8*	*31.2-136*		
Surrogate: Phenol-d5-surr			*3.25*	*ug/L*	*4.00*		*81.2*	*28.9-155*		
Surrogate: p-Terphenyl-d14-surr			*1.50*	*ug/L*	*2.00*		*75.1*	*37.6-117*		

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Quality Control
(Continued)

Semivolatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHK2720 - EPA 625 LLE (Continued)										
Matrix Spike (BHK2720-MS2)	**Source: 24K3096-02RE1**			Prepared: 11/20/2024 Analyzed: 11/23/2024						
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy	2.55		0.400	ug/L	2.00	<0.400	127	60-140		
3,4-Methylphenol	8.23	L	1.40	ug/L	8.00	0.789	93.0	60-140		
n-Nitrosodiethylamine	0.984	J1	0.500	ug/L	2.00	<0.500	49.2	60-140		
n-Nitrosodiphenylamine	0.345	J1	0.200	ug/L	2.00	<0.200	17.3	60-140		
Pyridine	<13.3	J1, U	13.3	ug/L	10.0	<13.3		60-140		
Surrogate: 2,4,6-Tribromophenol-surr			*4.81*	*ug/L*	*4.00*		*120*	*33.6-139*		
Surrogate: 2-Fluorobiphenyl-surr			*2.15*	*ug/L*	*2.00*		*108*	*32.2-138*		
Surrogate: 2-Fluorophenol-surr			*4.01*	*ug/L*	*4.00*		*100*	*32.7-137*		
Surrogate: Nitrobenzene-d5-surr		*S*	*2.76*	*ug/L*	*2.00*		*138*	*31.2-136*		
Surrogate: Phenol-d5-surr			*4.96*	*ug/L*	*4.00*		*124*	*28.9-155*		
Surrogate: p-Terphenyl-d14-surr			*1.84*	*ug/L*	*2.00*		*92.2*	*37.6-117*		
Matrix Spike Dup (BHK2720-MSD1)	**Source: 24K3096-02**			Prepared: 11/20/2024 Analyzed: 11/21/2024						
1,2,4,5-Tetrachlorobenzene	2.12		0.300	ug/L	2.00	<0.300	106	60-140	0.241	40
1,2,4-Trichlorobenzene	1.71		0.300	ug/L	2.00	<0.300	85.7	44-142	4.02	50
1,2-Diphenylhydrazine	1.59		0.750	ug/L	2.00	0.335	62.8	60-140	2.76	40
2,4,5-Trichlorophenol	3.71		0.700	ug/L	4.00	<0.700	92.9	60-140	7.00	40
2,4,6-Trichlorophenol	3.96		1.20	ug/L	4.00	<1.20	99.0	37-144	6.82	58
2,4-Dichlorophenol	3.58		0.800	ug/L	4.00	<0.800	89.4	39-135	0.630	50
2,4-Dimethylphenol	2.85		0.900	ug/L	4.00	<0.900	71.4	32-120	3.28	58
2,4-Dinitrophenol	11.4		8.60	ug/L	10.0	<8.60	114	0-191	3.22	132
2,4-Dinitrotoluene (2,4-DNT)	1.82		0.200	ug/L	2.00	<0.200	91.2	39-139	5.99	42
2,6-Dinitrotoluene (2,6-DNT)	2.52		1.80	ug/L	2.00	<1.80	126	50-158	0.521	48
2-Chloronaphthalene	1.95		0.400	ug/L	2.00	<0.400	97.5	60-120	1.68	24
2-Chlorophenol	3.52		0.500	ug/L	4.00	<0.500	87.9	23-134	19.5	61
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph	3.55		1.60	ug/L	4.00	<1.60	88.7	0-181	7.05	203
2-Nitrophenol	4.78		0.700	ug/L	4.00	<0.700	119	29-182	34.1	55
4-Bromophenyl phenyl ether (BDE-3)	1.82		0.300	ug/L	2.00	<0.300	90.9	53-127	5.75	43
4-Chloro-3-methylphenol	2.87		0.700	ug/L	4.00	<0.700	71.7	22-147	6.64	73
4-Chlorophenyl phenylether	1.75		0.700	ug/L	2.00	<0.700	87.5	25-158	5.05	61
4-Nitrophenol	9.24		7.20	ug/L	10.0	<7.20	92.4	0-132	2.16	131
Acenaphthene	1.69		0.300	ug/L	2.00	<0.300	84.3	47-145	7.48	48
Acenaphthylene	1.53		0.200	ug/L	2.00	<0.200	76.3	33-145	19.8	74
Anthracene	1.67		0.200	ug/L	2.00	<0.200	83.5	27-133	1.24	66
Benzo(a)anthracene	1.76		0.300	ug/L	2.00	<0.300	88.2	33-143	2.99	53
Benzo(a)pyrene	1.72		0.500	ug/L	2.00	<0.500	86.0	17-163	1.83	72
benzo(b&k)fluoranthene	3.84		0.400	ug/L	4.00	<0.400	96.0	60-140	1.08	40
Benzo(g,h,i)perylene	0.953		0.400	ug/L	2.00	<0.400	47.7	0-219	56.6	97
bis(2-Chloroethoxy)methane	1.66		0.400	ug/L	2.00	<0.400	82.9	33-184	1.93	54
bis(2-Chloroethyl) ether	2.09		0.600	ug/L	2.00	<0.600	104	12-158	42.8	108
Bis(2-ethylhexyl)phthalate	2.19		1.50	ug/L	2.00	<1.50	110	8-158	6.42	82
Butyl benzyl phthalate	1.48		0.400	ug/L	2.00	<0.400	73.8	0-152	8.49	60
Chrysene	1.87		0.200	ug/L	2.00	<0.200	93.4	17-168	3.73	87
Dibenzo(a,h)anthracene	1.03		0.500	ug/L	2.00	<0.500	51.4	0-227	55.8	126
Diethyl phthalate	1.78		0.500	ug/L	2.00	0.415	68.2	0-120	5.95	100
Dimethyl phthalate	1.89		0.300	ug/L	2.00	<0.300	94.4	0-120	2.78	183

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Quality Control
(Continued)

Semivolatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHK2720 - EPA 625 LLE (Continued)										
Matrix Spike Dup (BHK2720-MSD1)	**Source: 24K3096-02**		Prepared: 11/20/2024 Analyzed: 11/21/2024							
Di-n-butyl phthalate	1.19	J1, U	1.60	ug/L	2.00	0.632	28.1	1-120	64.1	47
Di-n-octyl phthalate	1.63		0.500	ug/L	2.00	<0.500	81.5	4-146	12.4	69
Fluoranthene	0.813	J1	0.300	ug/L	2.00	<0.300	40.7	26-137	68.0	66
Fluorene	1.84		0.200	ug/L	2.00	<0.200	91.8	59-121	12.2	38
Hexachlorobenzene	1.44		0.200	ug/L	2.00	<0.200	71.8	0-152	4.64	55
Hexachlorobutadiene	1.54		0.300	ug/L	2.00	<0.300	77.2	24-120	9.32	62
Hexachlorocyclopentadiene	2.90		0.750	ug/L	2.00	0.355	127	60-140	15.7	40
Hexachloroethane	0.809		0.200	ug/L	2.00	<0.200	40.5	40-120	49.3	52
Hexachlorophene	4.14		1.10	ug/L	4.00	<1.10	104	60-140	4.37	40
Indeno(1,2,3-cd) pyrene	0.994		0.400	ug/L	2.00	<0.400	49.7	0-171	58.5	99
Isophorone	1.36		0.300	ug/L	2.00	<0.300	68.1	21-196	4.21	93
Naphthalene	1.73		0.300	ug/L	2.00	<0.300	86.7	21-133	1.71	65
Nitrobenzene	1.54		0.400	ug/L	2.00	<0.400	76.9	35-180	19.1	62
n-Nitrosodimethylamine	2.97	J1, U	3.80	ug/L	10.0	<3.80	29.7	4.18-91	55.5	40
n-Nitroso-di-n-butylamine	<5.70	U	5.70	ug/L	2.00	<5.70		60-140		40
n-Nitrosodi-n-propylamine	1.91		1.40	ug/L	2.00	<1.40	95.7	0-230	43.2	87
Pentachlorobenzene	1.34		0.200	ug/L	2.00	<0.200	67.1	60-140	9.92	40
Pentachlorophenol	3.45		1.40	ug/L	4.00	<1.40	86.1	14-176	6.76	86
Phenanthrene	1.81		0.300	ug/L	2.00	<0.300	90.6	54-120	2.06	39
Phenol, Total	2.77		1.50	ug/L	4.00	<1.50	69.1	5-120	4.76	64
Pyrene	0.818	J1	0.300	ug/L	2.00	<0.300	40.9	52-120	65.9	49
Surrogate: 2,4,6-Tribromophenol-surr			*3.47*	*ug/L*	*4.00*		*86.7*	*33.6-139*		
Surrogate: 2-Fluorobiphenyl-surr			*1.60*	*ug/L*	*2.00*		*79.8*	*32.2-138*		
Surrogate: 2-Fluorophenol-surr			*2.80*	*ug/L*	*4.00*		*70.0*	*32.7-137*		
Surrogate: Nitrobenzene-d5-surr			*1.24*	*ug/L*	*2.00*		*62.1*	*31.2-136*		
Surrogate: Phenol-d5-surr			*3.17*	*ug/L*	*4.00*		*79.3*	*28.9-155*		
Surrogate: p-Terphenyl-d14-surr			*0.811*	*ug/L*	*2.00*		*40.6*	*37.6-117*		

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Quality Control
(Continued)

Semivolatile Organic Compounds by GCMS (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHK2720 - EPA 625 LLE (Continued)										
Matrix Spike Dup (BHK2720-MSD2)			**Source: 24K3096-02RE1**		Prepared: 11/20/2024 Analyzed: 11/23/2024					
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy	2.32	U	10.0	ug/L	2.00	<10.0	116	60-140	9.51	40
3,4-Methylphenol	7.80	L, U	10.0	ug/L	8.00	0.789	87.7	60-140	5.28	40
n-Nitrosodiethylamine	0.895	J1, U	20.0	ug/L	2.00	<20.0	44.7	60-140	9.55	40
n-Nitrosodiphenylamine	1.08	J1, U	20.0	ug/L	2.00	<20.0	54.1	60-140	103	40
Pyridine	<20.0	J1, U	20.0	ug/L	10.0	<20.0		60-140		40
Surrogate: 2,4,6-Tribromophenol-surr			*5.06*	*ug/L*	*4.00*		*127*	*33.6-139*		
Surrogate: 2-Fluorobiphenyl-surr			*1.90*	*ug/L*	*2.00*		*95.2*	*32.2-138*		
Surrogate: 2-Fluorophenol-surr			*3.98*	*ug/L*	*4.00*		*99.5*	*32.7-137*		
Surrogate: Nitrobenzene-d5-surr			*2.42*	*ug/L*	*2.00*		*121*	*31.2-136*		
Surrogate: Phenol-d5-surr			*4.77*	*ug/L*	*4.00*		*119*	*28.9-155*		
Surrogate: p-Terphenyl-d14-surr			*2.10*	*ug/L*	*2.00*		*105*	*37.6-117*		

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Quality Control
(Continued)

Organics by GC

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHK2214 - SW-3511										
Blank (BHK2214-BLK1)					Prepared: 11/18/2024 Analyzed: 11/21/2024					
2,4-D	<0.700	U	0.700	ug/L						
Silvex (2,4,5-TP)	<0.300	U	0.300	ug/L						
Surrogate: DCAA-surr			*29.2*	*ug/L*	*25.0*		*117*	*70-130*		
LCS (BHK2214-BS1)					Prepared: 11/18/2024 Analyzed: 11/21/2024					
2,4-D	5.33		0.700	ug/L	5.15		104	70-130		
Silvex (2,4,5-TP)	4.95		0.300	ug/L	5.00		99.0	70-130		
Surrogate: DCAA-surr			*31.3*	*ug/L*	*25.0*		*125*	*70-130*		
LCS Dup (BHK2214-BSD1)					Prepared: 11/18/2024 Analyzed: 11/21/2024					
2,4-D	5.08		0.700	ug/L	5.15		98.7	70-130	4.86	30
Silvex (2,4,5-TP)	4.63		0.300	ug/L	5.00		92.6	70-130	6.74	30
Surrogate: DCAA-surr			*31.0*	*ug/L*	*25.0*		*124*	*70-130*		
Matrix Spike (BHK2214-MS1)		**Source: 24K2659-01**			Prepared: 11/18/2024 Analyzed: 11/21/2024					
2,4-D	23.3		0.942	ug/L	20.6	<0.942	113	70-130		
Silvex (2,4,5-TP)	20.7		0.950	ug/L	20.0	<0.950	104	70-130		
Surrogate: DCAA-surr			*130*	*ug/L*	*99.8*		*130*	*70-130*		
Matrix Spike Dup (BHK2214-MSD1)		**Source: 24K2659-01**			Prepared: 11/18/2024 Analyzed: 11/21/2024					
2,4-D	22.3		0.944	ug/L	20.6	<0.944	108	70-130	4.56	30
Silvex (2,4,5-TP)	20.0		0.952	ug/L	20.0	<0.952	100	70-130	3.42	30
Surrogate: DCAA-surr			*119*	*ug/L*	*100*		*119*	*70-130*		
Batch: BHK2245 - EPA 1657 SPE										
Blank (BHK2245-BLK1)					Prepared: 11/18/2024 Analyzed: 11/19/2024					
Azinphos-methyl (Guthion)	<0.100	U	0.100	ug/L						
Chlorpyrifos	<0.0501	U	0.0501	ug/L						
Demeton	<0.200	U	0.200	ug/L						
Diazinon	<0.501	U	0.501	ug/L						
Malathion	<0.100	U	0.100	ug/L						
Parathion, ethyl	<0.100	U	0.100	ug/L						
Surrogate: Tributyl Phosphate-surr		*S*	*0.0519*	*ug/L*	*0.200*		*25.9*	*40-120*		
Surrogate: Triphenyl Phosphate-surr		*S*	*0.0377*	*ug/L*	*0.200*		*18.8*	*40-120*		

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Quality Control
(Continued)

Organics by GC (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHK2245 - EPA 1657 SPE (Continued)										
LCS (BHK2245-BS1)				Prepared: 11/18/2024 Analyzed: 11/19/2024						
Azinphos-methyl (Guthion)	0.0470	J1, U	0.100	ug/L	0.250		18.8	37-150		
Chlorpyrifos	0.133		0.0500	ug/L	0.250		53.4	48-150		
Demeton	0.0683	U	0.200	ug/L	0.250		27.3	16-150		
Diazinon	0.148	U	0.500	ug/L	0.250		59.4	50-150		
Malathion	0.108	J1	0.100	ug/L	0.250		43.3	50-150		
Parathion, ethyl	0.127		0.100	ug/L	0.250		50.9	50-150		
Surrogate: Tributyl Phosphate-surr			*0.132*	*ug/L*	*0.200*		*66.1*	*40-120*		
Surrogate: Triphenyl Phosphate-surr			*0.0871*	*ug/L*	*0.200*		*43.6*	*40-120*		
LCS Dup (BHK2245-BSD1)				Prepared: 11/18/2024 Analyzed: 11/19/2024						
Azinphos-methyl (Guthion)	0.114	J1	0.100	ug/L	0.251		45.6	37-150	83.3	40
Chlorpyrifos	0.203	J1	0.0501	ug/L	0.251		81.0	48-150	41.3	40
Demeton	0.124	J1, U	0.200	ug/L	0.251		49.4	16-150	57.8	40
Diazinon	0.224	J1, U	0.501	ug/L	0.251		89.5	50-150	40.8	40
Malathion	0.171	J1	0.100	ug/L	0.251		68.1	50-150	44.9	40
Parathion, ethyl	0.214	J1	0.100	ug/L	0.251		85.3	50-150	50.7	40
Surrogate: Tributyl Phosphate-surr			*0.183*	*ug/L*	*0.200*		*91.4*	*40-120*		
Surrogate: Triphenyl Phosphate-surr			*0.145*	*ug/L*	*0.200*		*72.4*	*40-120*		
Matrix Spike (BHK2245-MS1)		**Source: 24K2919-01**		Prepared: 11/18/2024 Analyzed: 11/19/2024						
Azinphos-methyl (Guthion)	0.0633	U	0.100	ug/L	0.251	<0.100	25.3	25-150		
Chlorpyrifos	0.144		0.0502	ug/L	0.251	<0.0502	57.3	25-150		
Demeton	0.120	U	0.201	ug/L	0.251	<0.201	47.9	25-150		
Diazinon	0.164	U	0.502	ug/L	0.251	<0.502	65.4	25-150		
Malathion	0.123		0.100	ug/L	0.251	<0.100	48.9	25-150		
Parathion, ethyl	0.156		0.100	ug/L	0.251	<0.100	62.0	25-150		
Surrogate: Tributyl Phosphate-surr			*0.155*	*ug/L*	*0.201*		*77.5*	*40-120*		
Surrogate: Triphenyl Phosphate-surr			*0.109*	*ug/L*	*0.201*		*54.4*	*40-120*		

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Reported:
12/03/2024 10:35

Quality Control
(Continued)

Organics by GC (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHK2245 - EPA 1657 SPE (Continued)										
Matrix Spike Dup (BHK2245-MSD1)	**Source: 24K2919-01**				Prepared: 11/18/2024 Analyzed: 11/19/2024					
Azinphos-methyl (Guthion)	0.0971	J1, U	0.100	ug/L	0.250	<0.100	38.8	25-150	42.1	40
Chlorpyrifos	0.164		0.0501	ug/L	0.250	<0.0501	65.5	25-150	13.3	40
Demeton	0.159	U	0.200	ug/L	0.250	<0.200	63.5	25-150	27.9	40
Diazinon	0.185	U	0.501	ug/L	0.250	<0.501	73.7	25-150	11.8	40
Malathion	0.142		0.100	ug/L	0.250	<0.100	56.6	25-150	14.5	40
Parathion, ethyl	0.183		0.100	ug/L	0.250	<0.100	73.1	25-150	16.2	40
Surrogate: Tributyl Phosphate-surr			*0.169*	*ug/L*	*0.200*		*84.1*	*40-120*		
Surrogate: Triphenyl Phosphate-surr			*0.129*	*ug/L*	*0.200*		*64.5*	*40-120*		
Batch: BHK3034 - EPA 1657 SPE										
Blank (BHK3034-BLK1)					Prepared: 11/22/2024 Analyzed: 11/23/2024					
Azinphos-methyl (Guthion)	<0.100	U	0.100	ug/L						
Chlorpyrifos	<0.0500	U	0.0500	ug/L						
Demeton	<0.200	U	0.200	ug/L						
Diazinon	<0.500	U	0.500	ug/L						
Malathion	<0.100	U	0.100	ug/L						
Parathion, ethyl	<0.100	U	0.100	ug/L						
Surrogate: Tributyl Phosphate-surr			*0.105*	*ug/L*	*0.200*		*52.3*	*40-120*		
Surrogate: Triphenyl Phosphate-surr		*S*	*0.0500*	*ug/L*	*0.200*		*25.0*	*40-120*		
LCS (BHK3034-BS1)					Prepared: 11/22/2024 Analyzed: 11/23/2024					
Azinphos-methyl (Guthion)	<0.100	J1, U	0.100	ug/L	0.251			37-150		
Chlorpyrifos	0.106	J1	0.0501	ug/L	0.251		42.5	48-150		
Demeton	0.0423	U	0.200	ug/L	0.251		16.9	16-150		
Diazinon	0.128	U	0.501	ug/L	0.251		51.2	50-150		
Malathion	0.0830	J1, U	0.100	ug/L	0.251		33.1	50-150		
Parathion, ethyl	0.0913	J1, U	0.100	ug/L	0.251		36.4	50-150		
Surrogate: Tributyl Phosphate-surr			*0.118*	*ug/L*	*0.200*		*58.8*	*40-120*		
Surrogate: Triphenyl Phosphate-surr		*S*	*0.0605*	*ug/L*	*0.200*		*30.2*	*40-120*		

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Quality Control
(Continued)

Organics by GC (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHK3034 - EPA 1657 SPE (Continued)										
LCS Dup (BHK3034-BSD1)				Prepared: 11/22/2024 Analyzed: 11/23/2024						
Azinphos-methyl (Guthion)	<0.100	J1, U	0.100	ug/L	0.250			37-150	200	40
Chlorpyrifos	0.157		0.0500	ug/L	0.250		63.0	48-150	38.5	40
Demeton	0.0790	J1, U	0.200	ug/L	0.250		31.7	16-150	60.5	40
Diazinon	0.185	U	0.500	ug/L	0.250		73.9	50-150	36.0	40
Malathion	0.136	J1	0.100	ug/L	0.250		54.4	50-150	48.2	40
Parathion, ethyl	0.156	J1	0.100	ug/L	0.250		62.5	50-150	52.4	40
Surrogate: Tributyl Phosphate-surr			*0.156*	*ug/L*	*0.200*		*78.2*	*40-120*		
Surrogate: Triphenyl Phosphate-surr			*0.0943*	*ug/L*	*0.200*		*47.2*	*40-120*		
Matrix Spike (BHK3034-MS1)		**Source: 24K3483-01**		Prepared: 11/22/2024 Analyzed: 11/23/2024						
Azinphos-methyl (Guthion)	<0.102	J1, U	0.102	ug/L	0.256	<0.102		25-150		
Chlorpyrifos	0.0278	J1, U	0.0512	ug/L	0.256	<0.0512	10.9	25-150		
Demeton	<0.205	J1, U	0.205	ug/L	0.256	<0.205		25-150		
Diazinon	<0.512	J1, U	0.512	ug/L	0.256	<0.512		25-150		
Malathion	<0.102	J1, U	0.102	ug/L	0.256	<0.102		25-150		
Parathion, ethyl	<0.102	J1, U	0.102	ug/L	0.256	<0.102		25-150		
Surrogate: Tributyl Phosphate-surr		*S*	*0.0274*	*ug/L*	*0.205*		*13.4*	*40-120*		
Surrogate: Triphenyl Phosphate-surr		*S*	*0.0167*	*ug/L*	*0.205*		*8.17*	*40-120*		
Matrix Spike Dup (BHK3034-MSD1)		**Source: 24K3483-01**		Prepared: 11/22/2024 Analyzed: 11/23/2024						
Azinphos-methyl (Guthion)	<0.102	J1, U	0.102	ug/L	0.255	<0.102		25-150		40
Chlorpyrifos	0.0604	J1	0.0509	ug/L	0.255	<0.0509	23.7	25-150	73.7	40
Demeton	0.0314	J1, U	0.204	ug/L	0.255	<0.204	12.3	25-150	200	40
Diazinon	0.0628	J1, U	0.509	ug/L	0.255	<0.509	24.7	25-150	200	40
Malathion	0.0392	J1, U	0.102	ug/L	0.255	<0.102	15.4	25-150	200	40
Parathion, ethyl	0.0437	J1, U	0.102	ug/L	0.255	<0.102	17.2	25-150	200	40
Surrogate: Tributyl Phosphate-surr			*0.116*	*ug/L*	*0.204*		*57.0*	*40-120*		
Surrogate: Triphenyl Phosphate-surr		*S*	*0.0368*	*ug/L*	*0.204*		*18.0*	*40-120*		

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12/03/2024 10:35

Quality Control
(Continued)

Metals, Total

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHK2630 - EPA 1631										
Blank (BHK2630-BLK1)					Prepared: 11/20/2024 Analyzed: 11/27/2024					
Mercury	<0.00500	U	0.00500	ug/L						
Blank (BHK2630-BLK2)					Prepared: 11/20/2024 Analyzed: 11/27/2024					
Mercury	<0.00500	U	0.00500	ug/L						
Blank (BHK2630-BLK3)					Prepared: 11/20/2024 Analyzed: 11/27/2024					
Mercury	<0.00500	U	0.00500	ug/L						
Matrix Spike (BHK2630-MS1)		**Source: 24J5481-01**			Prepared: 11/20/2024 Analyzed: 11/27/2024					
Mercury	0.0322	J1	0.00526	ug/L	0.0526	0.00762	46.7	71-125		
Matrix Spike (BHK2630-MS2)		**Source: 24J5485-01**			Prepared: 11/20/2024 Analyzed: 11/27/2024					
Mercury	0.00995	J1	0.00526	ug/L	0.0526	<0.00526	18.9	71-125		
Matrix Spike Dup (BHK2630-MSD1)		**Source: 24J5481-01**			Prepared: 11/20/2024 Analyzed: 11/27/2024					
Mercury	0.0325	J1	0.00526	ug/L	0.0526	0.00762	47.3	71-125	1.01	24
Matrix Spike Dup (BHK2630-MSD2)		**Source: 24J5485-01**			Prepared: 11/20/2024 Analyzed: 11/27/2024					
Mercury	0.00869	J1	0.00526	ug/L	0.0526	<0.00526	16.5	71-125	13.5	24
Batch: BHK2736 - EPA 200.8										
Blank (BHK2736-BLK1)					Prepared: 11/21/2024 Analyzed: 11/22/2024					
Antimony	<5.00	U	5.00	ug/L						
Barium	<3.00	U	3.00	ug/L						
Beryllium	<0.500	U	0.500	ug/L						
Cadmium	<1.00	U	1.00	ug/L						
Chromium	<6.00	U	6.00	ug/L						
Copper	<2.00	U	2.00	ug/L						
Nickel	<2.00	U	2.00	ug/L						
Selenium	<5.00	U	5.00	ug/L						
Silver	<0.500	U	0.500	ug/L						
Thallium	<0.500	U	0.500	ug/L						
Zinc	<5.00	U	5.00	ug/L						

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Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHK2736 - EPA 200.8 (Continued)										
Blank (BHK2736-BLK2)					Prepared: 11/21/2024 Analyzed: 11/25/2024					
Aluminum	<5.00	U	5.00	ug/L						
Blank (BHK2736-BLK3)					Prepared: 11/21/2024 Analyzed: 11/26/2024					
Lead	<0.500	U	0.500	ug/L						
Blank (BHK2736-BLK4)					Prepared: 11/21/2024 Analyzed: 11/27/2024					
Arsenic	<0.500	U	0.500	ug/L						
LCS (BHK2736-BS1)					Prepared: 11/21/2024 Analyzed: 11/22/2024					
Antimony	99.7		1.00	ug/L	100		99.7	85-115		
Barium	294		3.00	ug/L	300		98.0	85-115		
Beryllium	19.7		0.200	ug/L	20.0		98.4	85-115		
Cadmium	101		1.00	ug/L	100		101	85-115		
Chromium	309		6.00	ug/L	300		103	85-115		
Copper	105		2.00	ug/L	100		105	85-115		
Nickel	104		2.00	ug/L	100		104	85-115		
Selenium	209		5.00	ug/L	200		105	85-115		
Silver	51.1		0.500	ug/L	50.0		102	85-115		
Thallium	51.0		0.500	ug/L	50.0		102	85-115		
Zinc	202		2.00	ug/L	200		101	85-115		
LCS (BHK2736-BS2)					Prepared: 11/21/2024 Analyzed: 11/25/2024					
Aluminum	275		5.00	ug/L	250		110	85-115		
LCS (BHK2736-BS3)					Prepared: 11/21/2024 Analyzed: 11/26/2024					
Lead	54.3		0.500	ug/L	50.0		109	85-115		
LCS (BHK2736-BS4)					Prepared: 11/21/2024 Analyzed: 11/27/2024					
Arsenic	53.4		0.500	ug/L	50.0		107	85-115		

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Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHK2736 - EPA 200.8 (Continued)										
Duplicate (BHK2736-DUP1)		**Source: 24J4606-03**			Prepared: 11/21/2024 Analyzed: 11/22/2024					
Antimony	0.118	U	1.00	ug/L		0.155			27.1	20
Barium	69.5		3.00	ug/L		63.0			9.71	20
Beryllium	<0.200	U	0.200	ug/L		<0.200				20
Cadmium	<1.00	U	1.00	ug/L		<1.00				20
Chromium	0.157	U	6.00	ug/L		0.232			38.6	20
Copper	0.268	U	2.00	ug/L		0.223			18.3	20
Nickel	0.654	U	2.00	ug/L		0.713			8.63	20
Selenium	<5.00	U	5.00	ug/L		0.369			200	20
Silver	<0.500	U	0.500	ug/L		0.00600			200	20
Thallium	<0.500	U	0.500	ug/L		<0.500				20
Zinc	2.31		2.00	ug/L		2.33			0.949	20
Duplicate (BHK2736-DUP2)		**Source: 24K3096-02**			Prepared: 11/21/2024 Analyzed: 11/22/2024					
Antimony	0.744	U	1.00	ug/L		0.770			3.43	20
Barium	82.4		3.00	ug/L		85.0			3.21	20
Beryllium	<0.200	U	0.200	ug/L		<0.200				20
Cadmium	<1.00	U	1.00	ug/L		<1.00				20
Chromium	0.611	U	6.00	ug/L		0.494			21.2	20
Copper	1.71	U	2.00	ug/L		1.72			0.699	20
Nickel	1.34	U	2.00	ug/L		1.38			2.95	20
Selenium	0.423	U	5.00	ug/L		0.519			20.4	20
Silver	<0.500	U	0.500	ug/L		<0.500				20
Thallium	<0.500	U	0.500	ug/L		<0.500				20
Zinc	43.3		2.00	ug/L		45.7			5.25	20
Duplicate (BHK2736-DUP3)		**Source: 24J4606-03**			Prepared: 11/21/2024 Analyzed: 11/25/2024					
Aluminum	4.52	U	5.00	ug/L		3.93			14.0	20

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Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHK2736 - EPA 200.8 (Continued)										
Duplicate (BHK2736-DUP4)		**Source: 24K3096-02**		Prepared: 11/21/2024 Analyzed: 11/25/2024						
Aluminum	114	J1	5.00	ug/L		34.9			106	20
Duplicate (BHK2736-DUP5)		**Source: 24J4606-03**		Prepared: 11/21/2024 Analyzed: 11/26/2024						
Lead	<0.500	U	0.500	ug/L		0.0200			200	20
Duplicate (BHK2736-DUP6)		**Source: 24K3096-02**		Prepared: 11/21/2024 Analyzed: 11/26/2024						
Lead	0.119	U	0.500	ug/L		0.115			3.42	20
Duplicate (BHK2736-DUP7)		**Source: 24J4606-03**		Prepared: 11/21/2024 Analyzed: 11/27/2024						
Arsenic	14.7		0.500	ug/L		15.2			3.05	20
Duplicate (BHK2736-DUP8)		**Source: 24K3096-02**		Prepared: 11/21/2024 Analyzed: 11/27/2024						
Arsenic	1.94		0.500	ug/L		1.85			4.59	20
Matrix Spike (BHK2736-MS1)		**Source: 24J4606-03**		Prepared: 11/21/2024 Analyzed: 11/22/2024						
Antimony	100		1.00	ug/L	100	0.155	100	75-125		
Barium	366		3.00	ug/L	300	63.0	101	75-125		
Beryllium	18.0		0.200	ug/L	20.0	<0.200	90.2	75-125		
Cadmium	95.8		1.00	ug/L	100	<1.00	95.8	75-125		
Chromium	283		6.00	ug/L	300	0.232	94.4	75-125		
Copper	92.2		2.00	ug/L	100	0.223	92.0	75-125		
Nickel	92.1		2.00	ug/L	100	0.713	91.4	75-125		
Selenium	192		5.00	ug/L	200	0.369	95.7	75-125		
Silver	49.1		0.500	ug/L	50.0	0.00600	98.1	75-125		
Thallium	46.6		0.500	ug/L	50.0	<0.500	93.2	75-125		
Zinc	190		2.00	ug/L	200	2.33	93.6	75-125		
Matrix Spike (BHK2736-MS2)		**Source: 24K3096-02**		Prepared: 11/21/2024 Analyzed: 11/22/2024						
Antimony	103		1.00	ug/L	100	0.770	103	75-125		
Barium	373		3.00	ug/L	300	85.0	96.1	75-125		
Beryllium	17.4		0.200	ug/L	20.0	<0.200	87.0	75-125		
Cadmium	96.4		1.00	ug/L	100	<1.00	96.4	75-125		
Chromium	282		6.00	ug/L	300	0.494	93.9	75-125		
Copper	93.0		2.00	ug/L	100	1.72	91.3	75-125		
Nickel	92.7		2.00	ug/L	100	1.38	91.3	75-125		
Selenium	192		5.00	ug/L	200	0.519	95.7	75-125		
Silver	48.7		0.500	ug/L	50.0	<0.500	97.4	75-125		
Thallium	48.9		0.500	ug/L	50.0	<0.500	97.8	75-125		
Zinc	227		2.00	ug/L	200	45.7	90.7	75-125		

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Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHK2736 - EPA 200.8 (Continued)										
Matrix Spike (BHK2736-MS3)		**Source: 24J4606-03**			Prepared: 11/21/2024 Analyzed: 11/25/2024					
Aluminum	265		5.00	ug/L	250	3.93	104	75-125		
Matrix Spike (BHK2736-MS4)		**Source: 24K3096-02**			Prepared: 11/21/2024 Analyzed: 11/25/2024					
Aluminum	310		5.00	ug/L	250	34.9	110	75-125		
Matrix Spike (BHK2736-MS5)		**Source: 24J4606-03**			Prepared: 11/21/2024 Analyzed: 11/26/2024					
Lead	50.4		0.500	ug/L	50.0	0.0200	101	75-125		
Matrix Spike (BHK2736-MS6)		**Source: 24K3096-02**			Prepared: 11/21/2024 Analyzed: 11/26/2024					
Lead	49.3		0.500	ug/L	50.0	0.115	98.4	75-125		
Matrix Spike (BHK2736-MS7)		**Source: 24J4606-03**			Prepared: 11/21/2024 Analyzed: 11/27/2024					
Arsenic	67.3		0.500	ug/L	50.0	15.2	104	75-125		
Matrix Spike (BHK2736-MS8)		**Source: 24K3096-02**			Prepared: 11/21/2024 Analyzed: 11/27/2024					
Arsenic	55.7		0.500	ug/L	50.0	1.85	108	75-125		
Batch: BHK3275 - EPA 1631										
Blank (BHK3275-BLK1)					Prepared: 11/25/2024 Analyzed: 11/27/2024					
Mercury	<0.00500	U	0.00500	ug/L						
Blank (BHK3275-BLK2)					Prepared: 11/25/2024 Analyzed: 11/27/2024					
Mercury	<0.00500	U	0.00500	ug/L						
Blank (BHK3275-BLK3)					Prepared: 11/25/2024 Analyzed: 11/27/2024					
Mercury	<0.00500	U	0.00500	ug/L						

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12/03/2024 10:35

Quality Control
(Continued)

Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHK3275 - EPA 1631 (Continued)										
Matrix Spike (BHK3275-MS1)		**Source: 24K2979-02**			Prepared: 11/25/2024 Analyzed: 11/27/2024					
Mercury	0.0312	J1	0.00526	ug/L	0.0526	<0.00526	59.3	71-125		
Matrix Spike (BHK3275-MS2)		**Source: 24K3269-02**			Prepared: 11/25/2024 Analyzed: 11/27/2024					
Mercury	0.0245	J1	0.00526	ug/L	0.0526	<0.00526	46.6	71-125		
Matrix Spike Dup (BHK3275-MSD1)		**Source: 24K2979-02**			Prepared: 11/25/2024 Analyzed: 11/27/2024					
Mercury	0.0331	J1	0.00526	ug/L	0.0526	<0.00526	62.9	71-125	5.80	24
Matrix Spike Dup (BHK3275-MSD2)		**Source: 24K3269-02**			Prepared: 11/25/2024 Analyzed: 11/27/2024					
Mercury	0.0212	J1	0.00526	ug/L	0.0526	<0.00526	40.3	71-125	14.6	24

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Quality Control
(Continued)

Metals, Dissolved

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHK2514 - Cr VI										
Matrix Spike (BHK2514-MS1)		**Source: 24K3103-01**			Prepared & Analyzed: 11/20/2024					
Chromium (VI)	233		3.00	ug/L	250	3.82	91.6	70-130		
Matrix Spike Dup (BHK2514-MSD1)		**Source: 24K3103-01**			Prepared & Analyzed: 11/20/2024					
Chromium (VI)	243		3.00	ug/L	250	3.82	95.6	70-130	4.25	20

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Quality Control
(Continued)

General Chemistry

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHK2045 - EPA 300.0										
Duplicate (BHK2045-DUP1)		**Source: 24K3001-02**			Prepared & Analyzed: 11/15/2024					
Nitrate as N	34400		2000	ug/L		35100			1.96	15
Nitrite as N	<50.0	U	50.0	ug/L		<50.0				15
Fluoride	0.186	U	0.250	mg/L		0.184			1.08	15
Chloride	97.9		20.0	mg/L		99.6			1.76	15
Sulfate	47.5		1.00	mg/L		47.5			0.0126	15
MRL Check (BHK2045-MRL1)					Prepared & Analyzed: 11/15/2024					
Chloride	1.08		1.00	mg/L	1.00		108	50-150		
Nitrite as N	54.0		50.0	ug/L	50.0		108	50-150		
Nitrate as N	113		100	ug/L	100		113	50-150		
Sulfate	1.13		1.00	mg/L	1.00		113	50-150		
Fluoride	0.293		0.250	mg/L	0.250		117	50-150		
Matrix Spike (BHK2045-MS1)		**Source: 24K3001-02**			Prepared & Analyzed: 11/15/2024					
Nitrate as N	37200		2220	ug/L	2220	35100	95.5	80-120		
Chloride	113		22.2	mg/L	11.1	99.6	119	80-120		
Fluoride	5.47		0.278	mg/L	5.56	0.184	95.1	80-120		
Sulfate	71.8		1.11	mg/L	22.2	47.5	109	80-120		
Nitrite as N	1540	J1	55.6	ug/L	1110	<55.6	138	80-120		
Batch: BHK2073 - CBOD-5210										
LCS (BHK2073-BS1)					Prepared: 11/15/2024 Analyzed: 11/20/2024					
Carbonaceous BOD (CBOD)	180			mg/L	198		90.7	85-115		
Duplicate (BHK2073-DUP1)		**Source: 24K3095-02**			Prepared: 11/15/2024 Analyzed: 11/20/2024					
Carbonaceous BOD (CBOD)	2.78		2.40	mg/L		2.87			3.17	40

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Quality Control
(Continued)

General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHK2073 - CBOD-5210 (Continued)										
Duplicate (BHK2073-DUP2)			**Source: 24K3096-02**		Prepared: 11/15/2024 Analyzed: 11/20/2024					
Carbonaceous BOD (CBOD)	2.80		2.40	mg/L		2.97			6.19	40
Batch: BHK2204 - TDS										
Blank (BHK2204-BLK1)					Prepared: 11/18/2024 Analyzed: 11/19/2024					
Residue-filterable (TDS)	<10.0	U	10.0	mg/L						
LCS (BHK2204-BS1)					Prepared: 11/18/2024 Analyzed: 11/19/2024					
Residue-filterable (TDS)	150		10.0	mg/L	150		100	90-110		
Duplicate (BHK2204-DUP1)			**Source: 24K0381-02**		Prepared: 11/18/2024 Analyzed: 11/19/2024					
Residue-filterable (TDS)	666		10.0	mg/L		658			1.21	10
Batch: BHK2209 - TSS										
Blank (BHK2209-BLK1)					Prepared: 11/18/2024 Analyzed: 11/19/2024					
Residue-nonfilterable (TSS)	<1.00	U	1.00	mg/L						
LCS (BHK2209-BS1)					Prepared: 11/18/2024 Analyzed: 11/19/2024					
Residue-nonfilterable (TSS)	99.0		1.00	mg/L	100		99.0	85-115		
Duplicate (BHK2209-DUP1)			**Source: 24K1064-04**		Prepared: 11/18/2024 Analyzed: 11/19/2024					
Residue-nonfilterable (TSS)	5.89		1.00	mg/L		5.89			0.00	10
Duplicate (BHK2209-DUP2)			**Source: 24K3096-02**		Prepared: 11/18/2024 Analyzed: 11/19/2024					
Residue-nonfilterable (TSS)	<1.00	U	1.00	mg/L		<1.00				10

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Quality Control
(Continued)

General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHK2259 - NH3-N SEAL-350.1										
Matrix Spike (BHK2259-MS1)		**Source: 24K2971-01**			Prepared & Analyzed: 11/18/2024					
Ammonia as N	0.268		0.0401	mg/L	0.200	0.0720	97.6	90-110		
Matrix Spike (BHK2259-MS2)		**Source: 24K2960-02**			Prepared & Analyzed: 11/18/2024					
Ammonia as N	0.369		0.0401	mg/L	0.200	0.166	101	90-110		
Matrix Spike Dup (BHK2259-MSD1)		**Source: 24K2971-01**			Prepared & Analyzed: 11/18/2024					
Ammonia as N	0.268		0.0401	mg/L	0.200	0.0720	97.6	90-110	0.00	20
Matrix Spike Dup (BHK2259-MSD2)		**Source: 24K2960-02**			Prepared & Analyzed: 11/18/2024					
Ammonia as N	0.368		0.0401	mg/L	0.200	0.166	101	90-110	0.272	20
Batch: BHK2276 - TKN T										
Blank (BHK2276-BLK1)					Prepared: 11/18/2024 Analyzed: 11/19/2024					
Total Kjeldahl Nitrogen - (TKN)	<1.00	U	1.00	mg/L						
LCS (BHK2276-BS1)					Prepared: 11/18/2024 Analyzed: 11/19/2024					
Total Kjeldahl Nitrogen - (TKN)	2.80		1.00	mg/L	2.60		108	85-115		
Duplicate (BHK2276-DUP1)		**Source: 24K3096-02**			Prepared: 11/18/2024 Analyzed: 11/19/2024					
Total Kjeldahl Nitrogen - (TKN)	<1.00	J1, U	1.00	mg/L		0.112			200	20
Matrix Spike (BHK2276-MS1)		**Source: 24K3096-02**			Prepared: 11/18/2024 Analyzed: 11/19/2024					
Total Kjeldahl Nitrogen - (TKN)	2.46	J1	1.00	mg/L	4.00	0.112	58.8	85-115		
Batch: BHK2351 - EPA 1664										
Blank (BHK2351-BLK1)					Prepared & Analyzed: 11/19/2024					
n-Hexane Extractable Material (O&G)	<5.00	U	5.00	mg/L						

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Quality Control
(Continued)

General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHK2351 - EPA 1664 (Continued)										
LCS (BHK2351-BS1)					Prepared & Analyzed: 11/19/2024					
n-Hexane Extractable Material (O&G)	39.1		5.00	mg/L	40.0		97.8	77.5-114.5		
LCS Dup (BHK2351-BSD1)					Prepared & Analyzed: 11/19/2024					
n-Hexane Extractable Material (O&G)	39.1		5.00	mg/L	40.0		97.7	77.5-114.5	0.111	20
Matrix Spike (BHK2351-MS1)		**Source: 24K2703-01**			Prepared & Analyzed: 11/19/2024					
n-Hexane Extractable Material (O&G)	6.56	J1	5.00	mg/L	40.0	<5.00	16.4	77.5-114.5		
Batch: BHK2376 - Phosphorus EPA 365.1										
LCS (BHK2376-BS1)					Prepared & Analyzed: 11/19/2024					
Total Phosphorus	0.249		0.0100	mg/L	0.250		99.8	90-110		
Matrix Spike (BHK2376-MS1)		**Source: 24K3275-06**			Prepared & Analyzed: 11/19/2024					
Total Phosphorus	19.6		0.500	mg/L	12.5	6.62	104	80-120		
Matrix Spike (BHK2376-MS2)		**Source: 24K2995-04**			Prepared & Analyzed: 11/19/2024					
Total Phosphorus	23.7		0.500	mg/L	12.5	11.0	102	80-120		
Matrix Spike Dup (BHK2376-MSD1)		**Source: 24K3275-06**			Prepared & Analyzed: 11/19/2024					
Total Phosphorus	18.9		0.500	mg/L	12.5	6.62	98.0	80-120	3.72	20
Matrix Spike Dup (BHK2376-MSD2)		**Source: 24K2995-04**			Prepared & Analyzed: 11/19/2024					
Total Phosphorus	24.2		0.500	mg/L	12.5	11.0	106	80-120	1.96	20
Batch: BHK2857 - CN-4500										
Blank (BHK2857-BLK1)					Prepared & Analyzed: 11/21/2024					
Total Cyanide	<10.0	U	10.0	ug/L						

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Quality Control
(Continued)

General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHK2857 - CN-4500 (Continued)										
LCS (BHK2857-BS1)					Prepared & Analyzed: 11/21/2024					
Total Cyanide	196		10.0	ug/L	200		98.0	90-110		
QCS (BHK2857-BS2)					Prepared & Analyzed: 11/21/2024					
Total Cyanide	185		10.0	ug/L	200		92.7	90-110		
MRL Check (BHK2857-MRL1)					Prepared & Analyzed: 11/21/2024					
Total Cyanide	11.1		10.0	ug/L	10.0		111	50-150		
Matrix Spike (BHK2857-MS1)		**Source: 24J5490-03**			Prepared & Analyzed: 11/21/2024					
Total Cyanide	203		10.0	ug/L	200	6.40	98.5	80-120		
Matrix Spike Dup (BHK2857-MSD1)		**Source: 24J5490-03**			Prepared & Analyzed: 11/21/2024					
Total Cyanide	203		10.0	ug/L	200	6.40	98.5	80-120	0.0393	20
Batch: BHK3075 - Alkalinity										
Blank (BHK3075-BLK1)					Prepared & Analyzed: 11/25/2024					
Conductivity	<2.00	U	2.00	umhos/cm @ 25 °C						
LCS (BHK3075-BS1)					Prepared & Analyzed: 11/25/2024					
Conductivity	1450			umhos/cm @ 25 °C	1410		103	90-110		
LCS (BHK3075-BS4)					Prepared & Analyzed: 11/25/2024					
Alkalinity as CaCO3	106			mg/L	100		106	90-110		
Duplicate (BHK3075-DUP1)		**Source: 24K0823-03**			Prepared & Analyzed: 11/25/2024					
Alkalinity as CaCO3	378		10.0	mg/L		384			1.42	15
Conductivity	2200		2.00	umhos/cm @ 25 °C		2230			1.35	15

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Quality Control
(Continued)

General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHK3075 - Alkalinity (Continued)										
Duplicate (BHK3075-DUP2)		**Source: 24K3232-01**			Prepared & Analyzed: 11/25/2024					
Conductivity	1340		2.00	umhos/cm @ 25 °C		1350			0.894	15
Alkalinity as CaCO3	304		10.0	mg/L		308			1.19	15

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Quality Control
(Continued)

Microbiology

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHK2060 - TC EC Quantitray										
Blank (BHK2060-BLK1)					Prepared: 11/15/2024 Analyzed: 11/16/2024					
Escherichia coli (E. coli)	<1.00	U	1.00	MPN/100 mL						
Duplicate (BHK2060-DUP1)			**Source: 24K3222-01**		Prepared: 11/15/2024 Analyzed: 11/16/2024					
Escherichia coli (E. coli)	<1.00	J1, U	1.00	MPN/100 mL		2.00			200	200
Batch: BHK2064 - ENT Quantitray										
Blank (BHK2064-BLK1)					Prepared: 11/15/2024 Analyzed: 11/16/2024					
Enterococci	<1.00	U	1.00	MPN/100 mL						
Duplicate (BHK2064-DUP1)			**Source: 24K0182-01**		Prepared: 11/15/2024 Analyzed: 11/16/2024					
Enterococci	<1.00	U	1.00	MPN/100 mL		1.00			200	200

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Sample Condition Checklist

Work Order: 24J3554

Check Points	
No	Custody Seals
Yes	Containers Intact
Yes	COC/Labels Agree
Yes	Received On Ice
Yes	Appropriate Containers
Yes	Appropriate Sample Volume
Yes	Coolers Intact
Yes	Samples Accepted

Work Order: 24J3555

Check Points	
No	Custody Seals
Yes	Containers Intact
Yes	COC/Labels Agree
Yes	Received On Ice
Yes	Appropriate Containers
Yes	Appropriate Sample Volume
Yes	Coolers Intact
Yes	Samples Accepted

Work Order: 24J4192

Check Points	
No	Custody Seals
Yes	Containers Intact
Yes	COC/Labels Agree
Yes	Received On Ice
Yes	Appropriate Containers
Yes	Appropriate Sample Volume
Yes	Coolers Intact
Yes	Samples Accepted

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Work Order: 24J4193

Check Points

No	Custody Seals
Yes	Containers Intact
Yes	COC/Labels Agree
Yes	Received On Ice
Yes	Appropriate Containers
Yes	Appropriate Sample Volume
Yes	Coolers Intact
Yes	Samples Accepted

Work Order: 24J5159

Check Points

No	Custody Seals
No	Containers Intact
No	COC/Labels Agree
No	Received On Ice
No	Appropriate Containers
No	Appropriate Sample Volume
No	Coolers Intact
No	Samples Accepted

Work Order: 24J5269

Check Points

No	Custody Seals
Yes	Containers Intact
Yes	COC/Labels Agree
Yes	Received On Ice
Yes	Appropriate Containers
Yes	Appropriate Sample Volume
Yes	Coolers Intact
Yes	Samples Accepted

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Work Order: 24J5270

Check Points	
No	Custody Seals
Yes	Containers Intact
Yes	COC/Labels Agree
Yes	Received On Ice
Yes	Appropriate Containers
Yes	Appropriate Sample Volume
Yes	Coolers Intact
Yes	Samples Accepted

Work Order: 24K1286

Check Points	
No	Custody Seals
No	Containers Intact
No	COC/Labels Agree
No	Received On Ice
No	Appropriate Containers
No	Appropriate Sample Volume
No	Coolers Intact
No	Samples Accepted

Work Order: 24K1287

Check Points	
No	Custody Seals
No	Containers Intact
No	COC/Labels Agree
No	Received On Ice
No	Appropriate Containers
No	Appropriate Sample Volume
No	Coolers Intact
No	Samples Accepted

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Work Order: 24K2230

Check Points

No	Custody Seals
Yes	Containers Intact
Yes	COC/Labels Agree
Yes	Received On Ice
Yes	Appropriate Containers
Yes	Appropriate Sample Volume
Yes	Coolers Intact
Yes	Samples Accepted

Work Order: 24K2231

Check Points

No	Custody Seals
Yes	Containers Intact
Yes	COC/Labels Agree
Yes	Received On Ice
Yes	Appropriate Containers
Yes	Appropriate Sample Volume
Yes	Coolers Intact
Yes	Samples Accepted

Work Order: 24K3096

Check Points

No	Custody Seals
Yes	Containers Intact
Yes	COC/Labels Agree
Yes	Received On Ice
Yes	Appropriate Containers
Yes	Appropriate Sample Volume
Yes	Coolers Intact
Yes	Samples Accepted

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Work Order: 24K3268

Check Points

No	Custody Seals
Yes	Containers Intact
Yes	COC/Labels Agree
Yes	Received On Ice
Yes	Appropriate Containers
Yes	Appropriate Sample Volume
Yes	Coolers Intact
Yes	Samples Accepted

Work Order: 24K3269

Check Points

No	Custody Seals
Yes	Containers Intact
Yes	COC/Labels Agree
Yes	Received On Ice
Yes	Appropriate Containers
Yes	Appropriate Sample Volume
Yes	Coolers Intact
Yes	Samples Accepted

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Term and Qualifier Definitions

Item	Definition
C+	The associated calibration QC is higher than the established quality control criteria for accuracy - no hit in sample; data not affected and acceptable to report.
CQ	Internal Standard response less than 50% calibration response
FF	The blank for biochemical oxygen demand depleted more than the method limit of 0.20 mg/l.
J1	Estimated value - The reported value is outside the established quality control criteria for accuracy and/or precision.
L	Off scale high - The concentration of the analyte exceeds the linear range.
S	The surrogate recovery was outside the established laboratory recovery limit.
U	Non-detected compound.
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated
*	A = Accredited, N = Not Accredited or Accreditation not available
DF	Dilution Factor - the factor applied to the reported data due to sample preparation, dilution, or moisture content
MDL	Method Detection Limit - The minimum concentration of a substance (or analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. Based on standard deviation of replicate spiked samples take through all steps of the analytical procedure following 40 CFR Part 136 Appendix B.
SDL	Sample Detection Limit - The minimum concentration of a substance (analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. The SDL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MDL = SDL.
MRL	Method Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The MRL is at or above the lowest calibration standard.
LRL	Laboratory Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The LRL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MRL = LRL.

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

CHAIN OF CUSTODY RECORD

NWDLS North Water District Laboratory Services, Inc.
North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

24J1274

(Continued)

Lab PM : Aundra Noe

Project Name : City of Magnolia - Non Potable -

Schedule Comments:

City of Magnolia
Accounting
18111 Buddy Riley Boulevard
Magnolia, TX 77354
Phone: 281-642-9577

Project Comments: DO must be recorded before 9am If CL2 not between 1.0 - 4.0 Call Office
Unless Dechlor plant <.1 Mark out Duplicated Outfall samples on regular chain
30910 Nichols Sawmill Rd Gate 1266# Darren McClane -

Cancelled

24J1274-02	Outfall 001 Sampler		10/1/2024 0715	AQ 24HR Comp	A HDPE 250mL AAHDPE 1L B Amber Glass 1L w/ Teflon-lined Lid C Amber Glass 1L w/ Teflon-lined Lid D HDPE 1L E PreCleaned HDPE 250mL HNO3 F HDPE 250mL G Glass VOA 60mL Protocol A H Glass VOA 60mL Protocol A I Glass VOA 60mL Protocol A J HDPE 250mL K HDPE 250mL H2SO4 L Amber Glass 250mL w/ Teflon-lined Lid M Amber Glass 250mL w/ Teflon-lined Lid N PreCleaned HDPE 250mL HNO3 O PreClean Amber Glass 250mL P Amber Glass 1L w/ Teflon-lined Lid Q Amber Glass 1L w/ Teflon-lined Lid R Amber Glass 1L w/ Teflon-lined Lid S Amber Glass 1L w/ Teflon-lined Lid T PreClean Amber Glass 250mL U PreClean Amber Glass 250mL V Amber Glass 250mL w/ Teflon-lined Lid W Amber Glass 250mL w/ Teflon-lined Lid X HDPE 250mL Y HDPE 250mL H2SO4 Z HDPE 250mL H2SO4	Aluminum ICPMS 200.8 HNO3 Antimony ICPMS 200.8 HNO3 Arsenic ICPMS 200.8 HNO3 Barium ICPMS 200.8 HNO3 Beryllium ICPMS 200.8 HNO3 Cadmium ICPMS 200.8 HNO3 Chromium ICPMS 200.8 HNO3 Copper ICPMS 200.8 HNO3 Lead ICPMS 200.8 HNO3 LPR Metals [Group Analysis] Nickel ICPMS 200.8 HNO3 Selenium ICPMS 200.8 HNO3 Silver ICPMS 200.8 HNO3 Thallium ICPMS 200.8 HNO3 Zinc ICPMS 200.8 HNO3 HERB-6640 4°C Nonylphenol-D7065 4°C OCP-608 4°C OPP-1657 4°C PCB-608 4°C SVOA-625 4°C Sub_CBURP-632 4°C Alkalinity-2320 4°C CBOD-5210 4°C Chloride IC 300.0 4°C Conductivity-2510 4°C Cr III ICPMS [Group Analysis] Cr VI-D 3500 Cr6+Buf 4°C Fluoride IC 300.0 4°C LPR Anions [Group Analysis] NH3-N SEAL-350.1 H2SO4 4°C Nitrate as N IC 300.0 4°C Nitrite as N IC 300.0 4°C Sulfate IC 300.0 4°C TDS-2540 4°C TKN T-4500 C H2SO4 4°C Total Phosphorus-365.1- H2SO4 4°C TSS-2540 4°C	

CHAIN OF CUSTODY RECORD

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TCEQ TX-C24-00185

24J1274

(Continued)

Lab PM : Aundra Noe	**Project Name** : City of Magnolia - Non Potable -	**Schedule Comments:**
City of Magnolia Accounting 18111 Buddy Riley Boulevard Magnolia, TX 77354 Phone: 281-642-9577	**Project Comments**: DO must be recorded before 9am If CL2 not between 1.0 - 4.0 Call Office Unless Dechlor plant <.1 Mark out Duplicated Outfall samples on regular chain 30910 Nichols Sawmill Rd Gate 1266# Darren McClane -	D I E F A 10-1-24 - 7 [10-1-24] Cancelled

24J1274-03	Outfall 001 3 Part Grab		10/1/2024	AQ Grab	A Glass VOA 40mL HCl pH<2 B Glass VOA 40mL HCl pH<2 C Glass VOA 40mL HCl pH<2 D Glass VOA 40mL E Glass VOA 40mL F Glass VOA 40mL G Glass 4oz Boston Round	LL Hg-1631 Composite VOA	BrCl 4°C	
24J1274-04	Outfall 001 3 Part Grab (		10/1/2024	AQ Grab 3-Part Cor		VOA-624	4°C	
24J1274-05	18 Mohm DI		10/1/2024	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631	BrCl	

Field Remarks:

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

Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name: Fernando Chavez	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation: NWDLS	Relinquished To Lab By: (Signature)	Date/Time 9-0 1520	Received for Laboratory By: (Signature) JLH	Date/Time 1520 10/1/24

Custody Seal : Yes / No COC Labels Agree: Yes / No Appropriate Volume: Yes / No Received on Ice: Yes / No Temperature: °C

Container Intact : Yes / No Appropriate Containers: Yes / No Coolers Intact: Yes / No Samples Accepted: Yes / No Thermometer ID:

North Tomball

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

24J1274

Lab PM : Aundra Noe	**Project Name** : City of Magnolia - Non Potable -	**Schedule Comments:**
City of Magnolia Accounting 18111 Buddy Riley Boulevard Magnolia, TX 77354 Phone: 281-642-9577	**Project Comments**: DO must be recorded before 9am If CL2 not between 1.0 - 4.0 Call Office Unless Dechlor plant <.1 Mark out Duplicated Outfall samples on regular chain 30910 Nichols Sawmill Rd Gate 1266# Darren McClane -	moved to Fortnightly

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation		Field Results
24J1274-01	Outfall 001		10/1/2024 0715	AQ Grab	A ~~HDPE 250mL NaOH~~ B ~~HDPE S250mL~~ Na2S2O3 C ~~Glass Wide 1L w/~~ Teflon-lined Lid D ~~HDPE S250mL~~ Na2S2O3	ENT-ASTMD6503 TC EC-9223 O&G-1664 CN AMEN-4500 CN T-4500	Na2S2O3 <10°C Na2S2O3 <10°C HCl 4°C NaOH 4°C NaOH 4°C	DO Field Flow MGD Field pH Field Total Chlorine Residual WW Field

CHAIN OF CUSTODY RECORD

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TCEQ TX-C24-00185

24J3554

Lab PM : Aundra Noe	**Project Name** : City of Magnolia - Outfall 001-3 Part Grab Comp 1	**Schedule Comments:**
City of Magnolia Accounting 18111 Buddy Riley Boulevard Magnolia, TX 77354 Phone: 281-642-9577	**Project Comments**: 30910 Nichols Sawmill Rd Gate 1266# Darren 936-276-00 DAY OF GRAB 1 - TAKE GLASS RECEPTACLE & PLACE IN SAMPLER COORDINATE GRAB 1 & GRAB 2 COLLECTION TIMES WITH	30703 Nichols Sawmill Rd

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation		Field Results
24J3554-01	18 Mohm DI		10/16/2024 0730	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631	BrCl	
24J3554-02	Outfall 001 3 Part Grab		10/16/2024 0730	AQ Grab	A Glass VOA 40mL HCl pH<2 B Glass VOA 40mL HCl pH<2 C Glass VOA 40mL HCl pH<2 D Glass VOA 40mL E Glass VOA 40mL F Glass VOA 40mL G Glass 4oz Boston Round	LL Hg-1631 Composite VOA	BrCl 4°C	

Field Remarks:

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

Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name: George Whalen	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation: NWDLS	Relinquished To Lab By: (Signature)	Date/Time 1600 10/16/24	Received for Laboratory By: (Signature) JCH	Date/Time 1600 10/16/24

Custody Seal : Yes / No | COC Labels Agree: Yes / No | Appropriate Volume: Yes / No | Received on Ice: Yes / No | Temperature: _____ °C

Container Intact : Yes / No | Appropriate Containers: Yes / No | Coolers Intact: Yes / No | Samples Accepted: Yes / No | Thermometer ID: _____

North Tomball

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
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TCEQ TX-C24-00185

24J3555

Lab PM : Aundra Noe	**Project Name** : City of Magnolia - Outfall 001-3 Part Grab Comp 2	**Schedule Comments:**
City of Magnolia Accounting 18111 Buddy Riley Boulevard Magnolia, TX 77354 Phone: 281-642-9577	**Project Comments**: COORDINATE GRAB 1 & GRAB 2 COLLECTION TIMES WITH OTHER FIELD TECH IF NEEDED 30910 Nichols Sawmill Rd Gate 1266# Darren McClane - 832-773-4007 Call after samples collected.	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation		Field Results
24J3555-01	18 Mohm DI		10/16/2024 1500	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631	BrCl	
24J3555-02	Outfall 001 3 Part Grab		10/16/2024 1500	AQ Grab	A Glass VOA 40mL HCl pH<2 B Glass VOA 40mL HCl pH<2 C Glass VOA 40mL HCl pH<2 D Glass VOA 40mL E Glass VOA 40mL F Glass VOA 40mL G Glass 4oz Boston Round	LL Hg-1631 Composite VOA	BrCl 4°C	

Field Remarks:

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

Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name: George Whalen	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation: NWDLS	Relinquished To Lab By: (Signature)	Date/Time 1600 10/16/24	Received for Laboratory By: (Signature) JLH	Date/Time 1600 10/16/24

Custody Seal : Yes / No
COC Labels Agree: Yes / No
Appropriate Volume: Yes / No
Received on Ice: Yes / No
Temperature: _____ °C
Container Intact : Yes / No
Appropriate Containers: Yes / No
Coolers Intact: Yes / No
Samples Accepted: Yes / No
Thermometer ID: _____

North Tomball

CHAIN OF CUSTODY RECORD

NWDLS
North Water District Laboratory Services
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(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

24J3852

(Continued)

Lab PM : Aundra Noe	**Project Name** : City of Magnolia - NP - Permit Renewal	**Schedule Comments:**
City of Magnolia Burt Smith 18111 Buddy Riley Boulevard Magnolia, TX 77354 Phone: 281-642-9577	**Project Comments**: DO must be recorded before 9am If CL2 not between 1.0 - 4.0 Call Office Unless Dechlor plant <.1 Mark out Duplicated Outfall samples on regular chain 30910 Nichols Sawmill Rd Gate 1266# Darren McClane -	

24J3852-02	Outfall 001 Sampler		10/17/2024	AQ 24HR Comp	A HDPE 250mL AAHDPE 1L B Amber Glass 1L w/ Teflon-lined Lid C Amber Glass 1L w/ Teflon-lined Lid D HDPE 1L E PreCleaned HDPE 250mL HNO3 F HDPE 250mL G Glass VOA 60mL Protocol A H Glass VOA 60mL Protocol A I Glass VOA 60mL Protocol A J HDPE 250mL K HDPE 250mL H2SO4 L Amber Glass 250mL w/ Teflon-lined Lid M Amber Glass 250mL w/ Teflon-lined Lid N PreCleaned HDPE 250mL HNO3 O PreClean Amber Glass 250mL P Amber Glass 1L w/ Teflon-lined Lid Q Amber Glass 1L w/ Teflon-lined Lid R Amber Glass 1L w/ Teflon-lined Lid S Amber Glass 1L w/ Teflon-lined Lid T PreClean Amber Glass 250mL U PreClean Amber Glass 250mL V Amber Glass 250mL w/ Teflon-lined Lid W Amber Glass 250mL w/ Teflon-lined Lid X HDPE 250mL Y HDPE 250mL H2SO4 Z HDPE 250mL H2SO4	Aluminum ICPMS 200.8 HNO3 Antimony ICPMS 200.8 HNO3 Arsenic ICPMS 200.8 HNO3 Barium ICPMS 200.8 HNO3 Beryllium ICPMS 200.8 HNO3 Cadmium ICPMS 200.8 HNO3 Chromium ICPMS 200.8 HNO3 Copper ICPMS 200.8 HNO3 Lead ICPMS 200.8 HNO3 LPR Metals [Group Analysis] Nickel ICPMS 200.8 HNO3 Selenium ICPMS 200.8 HNO3 Silver ICPMS 200.8 HNO3 Thallium ICPMS 200.8 HNO3 Zinc ICPMS 200.8 HNO3 HERB-6640 4°C Nonylphenol-D7065 4°C OCP-608 4°C OPP-1657 4°C PCB-608 4°C SVOA-625 4°C Sub_CBURP-632 4°C Alkalinity-2320 4°C CBOD-5210 4°C Chloride IC 300.0 4°C Conductivity-2510 4°C Cr III ICPMS [Group Analysis] Cr VI-D 3500 Cr6+Buf 4°C Fluoride IC 300.0 4°C LPR Anions [Group Analysis] NH3-N SEAL-350.1 H2SO4 4°C Nitrate as N IC 300.0 4°C Nitrite as N IC 300.0 4°C Sulfate IC 300.0 4°C TDS-2540 4°C TKN T-4500 C H2SO4 4°C Total Phosphorus-365.1- H2SO4 4°C TSS-2540 4°C	

CHAIN OF CUSTODY RECORD

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24J3852

(Continued)

Lab PM : Aundra Noe	**Project Name** : City of Magnolia - NP - Permit Renewal
City of Magnolia Burt Smith 18111 Buddy Riley Boulevard Magnolia, TX 77354 Phone: 281-642-9577	**Project Comments**: DO must be recorded before 9am If CL2 not between 1.0 - 4.0 Call Office Unless Dechlor plant <.1 Mark out Duplicated Outfall samples on regular chain 30910 Nichols Sawmill Rd Gate 1266# Darren McClane -

Schedule Comments:

24J3852-03	Outfall 001 3 Part Grab		10/17/2024	AQ Grab	A Glass VOA 40mL HCl pH<2 B Glass VOA 40mL HCl pH<2 C Glass VOA 40mL HCl pH<2 D Glass VOA 40mL E Glass VOA 40mL F Glass VOA 40mL G Glass 4oz Boston Round	LL Hg-1631 Composite VOA	BrCl 4°C	
24J3852-04	Outfall 001 3 Part Grab C		10/17/2024	AQ Grab 3-Part Cor		VOA-624	4°C	
24J3852-05	18 Mohm DI		10/17/2024	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631	BrCl	

Rescheduled

Field Remarks:

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

Sampler (Signature) HWR	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name Heath Reinke	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation NWDLS	Relinquished To Lab By: (Signature) HWR	Date/Time 1330 10-17-24	Received for Laboratory By: (Signature) LOM	Date/Time 10-17-24 1330

Custody Seal : Yes / No COC Labels Agree: Yes / No Appropriate Volume: Yes / No Received on Ice: Yes / No Temperature: °C

Container Intact : Yes / No Appropriate Containers: Yes / No Coolers Intact: Yes / No Samples Accepted: Yes / No Thermometer ID:

North Tomball

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

24J3852

Lab PM : Aundra Noe	**Project Name** : City of Magnolia - NP - Permit Renewal	**Schedule Comments:**
City of Magnolia Burt Smith 18111 Buddy Riley Boulevard Magnolia, TX 77354 Phone: 281-642-9577	**Project Comments**: DO must be recorded before 9am If CL2 not between 1.0 - 4.0 Call Office Unless Dechlor plant <.1 Mark out Duplicated Outfall samples on regular chain 30910 Nichols Sawmill Rd Gate 1266# Darren McClane -	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation		Field Results
24J3852-01	Outfall 001		10/17/2024	AQ Grab	A HDPE 250mL NaOH B HDPE S250mL Na2S2O3 C Glass Wide 1L w/ Teflon-lined Lid D HDPE S250mL Na2S2O3	ENT-ASTMD6503 TC EC-9223 O&G-1664 CN AMEN-4500 CN T-4500	Na2S2O3 <10°C Na2S2O3 <10°C HCl 4°C NaOH 4°C NaOH 4°C	DO Field Flow MGD Field pH Field Total Chlorine Residual WW Field

Rescheduled

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

24J4192

Lab PM : Aundra Noe	**Project Name** : City of Magnolia - Outfall 001-3 Part Grab Comp 1	**Schedule Comments**:
City of Magnolia Accounting 18111 Buddy Riley Boulevard Magnolia, TX 77354 Phone: 281-642-9577	**Project Comments**: 30910 Nichols Sawmill Rd Gate 1266# Darren 936-276-00 DAY OF GRAB 1 - TAKE GLASS RECEPTACLE & PLACE IN SAMPLER COORDINATE GRAB 1 & GRAB 2 COLLECTION TIMES WITH	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation	Field Results
24J4192-01	18 Mohm DI		10/21/2024/0844	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631 BrCl	
24J4192-02	Outfall 001 3 Part Grab		10/21/2024/0844	AQ Grab	A Glass VOA 40mL HCl pH<2 B Glass VOA 40mL HCl pH<2 C Glass VOA 40mL HCl pH<2 D Glass VOA 40mL E Glass VOA 40mL F Glass VOA 40mL G Glass 4oz Boston Round	LL Hg-1631 BrCl Composite VOA 4°C	

Field Remarks:

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

Sampler (Signature) Cesar Guevara	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name Cesar Guevara	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation NWDLS	Relinquished To Lab By: (Signature) Cesar Guevara	Date/Time 10.21.24/1456	Received for Laboratory By: (Signature) JLU	Date/Time 1456 10/21/24

Custody Seal : Yes / No | COC Labels Agree: Yes / No | Appropriate Volume: Yes / No | Received on Ice: Yes / No | Temperature: _____ °C

Container Intact : Yes / No | Appropriate Containers: Yes / No | Coolers Intact: Yes / No | Samples Accepted: Yes / No | Thermometer ID: _____

North Tomball

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

24J4193

Lab PM : Aundra Noe	**Project Name** : City of Magnolia - Outfall 001-3 Part Grab Comp 2	**Schedule Comments:**
City of Magnolia Accounting 18111 Buddy Riley Boulevard Magnolia, TX 77354 Phone: 281-642-9577	**Project Comments**: COORDINATE GRAB 1 & GRAB 2 COLLECTION TIMES WITH OTHER FIELD TECH IF NEEDED 30910 Nichols Sawmill Rd Gate 1266# Darren McClane - 832-773-4007 Call after samples collected.	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation	Field Results
24J4193-01	18 Mohm DI		10/21/2024 1405	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631 BrCl	
24J4193-02	Outfall 001 3 Part Grab		10/21/2024 1406	AQ Grab	A Glass VOA 40mL HCl pH<2 B Glass VOA 40mL HCl pH<2 C Glass VOA 40mL HCl pH<2 D Glass VOA 40mL E Glass VOA 40mL F Glass VOA 40mL G Glass 4oz Boston Round	LL Hg-1631 BrCl Composite VOA 4°C	

① IE: C.C.S. 10-21-24 -> [10-21-24/]

Field Remarks:

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

Sampler (Signature) Cesar	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name Cesar Guevara	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation NWDLS	Relinquished To Lab By: (Signature) Cesar	Date/Time 10/21/1456	Received for Laboratory By: (Signature) JCH	Date/Time 1456 10/21/24

Custody Seal : Yes / No COC Labels Agree: Yes / No Appropriate Volume: Yes / No Received on Ice: Yes / No Temperature: °C

Container Intact : Yes / No Appropriate Containers: Yes / No Coolers Intact: Yes / No Samples Accepted: Yes / No Thermometer ID:

North Tomball

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

24J5159

Lab PM : Aundra Noe	**Project Name** : City of Magnolia - NP - Permit Renewal	**Schedule Comments**:
City of Magnolia Burt Smith 18111 Buddy Riley Boulevard Magnolia, TX 77354 Phone: 281-642-9577	**Project Comments**: DO must be recorded before 9am If CL2 not between 1.0 - 4.0 Call Office Unless Dechlor plant <.1 Mark out Duplicated Outfall samples on regular chain 30910 Nichols Sawmill Rd Gate 1266# Darren McClane -	moved to tomorrow

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation		Field Results
24J5159-01	Outfall 001		10/29/2024	AQ Grab	A HDPE 250mL NaOH B HDPE S250mL Na2S2O3 C Glass Wide 1L w/ Teflon-lined Lid D HDPE S250mL Na2S2O3	ENT-ASTMD6503 TC EC-9223 O&G-1664 CN AMEN-4500 CN T-4500	Na2S2O3 <10°C Na2S2O3 <10°C HCl 4°C NaOH 4°C NaOH 4°C	DO Field Flow MGD Field pH Field Total Chlorine Residual WW Field

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

24J5159

(Continued)

Lab PM : Aundra Noe

Project Name : City of Magnolia - NP - Permit Renewal

Schedule Comments:

City of Magnolia
Burt Smith
18111 Buddy Riley Boulevard
Magnolia, TX 77354
Phone: 281-642-9577

Project Comments: DO must be recorded before 9am If CL2 not between 1.0 - 4.0 Call Office
Unless Dechlor plant <.1 Mark out Duplicated Outfall samples on regular chain
30910 Nichols Sawmill Rd Gate 1266# Darren McClane -

moved to tomorrow

24J5159-02	Outfall 001 Sampler		10/29/2024	AQ 24HR Comp	A HDPE 250mL AAHDPE 1L B Amber Glass 1L w/ Teflon-lined Lid C Amber Glass 1L w/ Teflon-lined Lid D HDPE 1L E PreCleaned HDPE 250mL HNO3 F HDPE 250mL G Glass VOA 60mL Protocol A H Glass VOA 60mL Protocol A I Glass VOA 60mL Protocol A J HDPE 250mL K HDPE 250mL H2SO4 L Amber Glass 250mL w/ Teflon-lined Lid M Amber Glass 250mL w/ Teflon-lined Lid N PreCleaned HDPE 250mL HNO3 O PreClean Amber Glass 250mL P Amber Glass 1L w/ Teflon-lined Lid Q Amber Glass 1L w/ Teflon-lined Lid R Amber Glass 1L w/ Teflon-lined Lid S Amber Glass 1L w/ Teflon-lined Lid T PreClean Amber Glass 250mL U PreClean Amber Glass 250mL V Amber Glass 250mL w/ Teflon-lined Lid W Amber Glass 250mL w/ Teflon-lined Lid X HDPE 250mL Y HDPE 250mL H2SO4 Z HDPE 250mL H2SO4	Aluminum ICPMS 200.8 HNO3 Antimony ICPMS 200.8 HNO3 Arsenic ICPMS 200.8 HNO3 Barium ICPMS 200.8 HNO3 Beryllium ICPMS 200.8 HNO3 Cadmium ICPMS 200.8 HNO3 Chromium ICPMS 200.8 HNO3 Copper ICPMS 200.8 HNO3 Lead ICPMS 200.8 HNO3 LPR Metals [Group Analysis] Nickel ICPMS 200.8 HNO3 Selenium ICPMS 200.8 HNO3 Silver ICPMS 200.8 HNO3 Thallium ICPMS 200.8 HNO3 Zinc ICPMS 200.8 HNO3 HERB-6640 4°C Nonylphenol-D7065 4°C OCP-608 4°C OPP-1657 4°C PCB-608 4°C SVOA-625 4°C Sub_CBURP-632 4°C Alkalinity-2320 4°C CBOD-5210 4°C Chloride IC 300.0 4°C Conductivity-2510 4°C Cr III ICPMS [Group Analysis] Cr VI-D 3500 Cr6+Buf 4°C Fluoride IC 300.0 4°C LPR Anions [Group Analysis] NH3-N SEAL-350.1 H2SO4 4°C Nitrate as N IC 300.0 4°C Nitrite as N IC 300.0 4°C Sulfate IC 300.0 4°C TDS-2540 4°C TKN T-4500 C H2SO4 4°C Total Phosphorus-365.1- H2SO4 4°C TSS-2540 4°C	

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
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TCEQ TX-C24-00185

24J5159

(Continued)

Lab PM : Aundra Noe	**Project Name** : City of Magnolia - NP - Permit Renewal	**Schedule Comments:**
City of Magnolia Burt Smith 18111 Buddy Riley Boulevard Magnolia, TX 77354 Phone: 281-642-9577	**Project Comments**: DO must be recorded before 9am If CL2 not between 1.0 - 4.0 Call Office Unless Dechlor plant <.1 Mark out Duplicated Outfall samples on regular chain 30910 Nichols Sawmill Rd Gate 1266# Darren McClane -	moved to tomorrow

24J5159-03	Outfall 001 3 Part Grab		10/29/2024	AQ Grab	A Glass VOA 40mL HCl pH<2 B Glass VOA 40mL HCl pH<2 C Glass VOA 40mL HCl pH<2 D Glass VOA 40mL E Glass VOA 40mL F Glass VOA 40mL G Glass 4oz Boston Round	LL Hg-1631 Composite VOA	BrCl 4°C	
24J5159-04	Outfall 001 3 Part Grab (		10/29/2024	AQ Grab 3-Part Cor		VOA-624	4°C	
24J5159-05	18 Mohm DI		10/29/2024	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631	BrCl	

Field Remarks:

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

Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name: Fernando Chavez	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation: NWDLS	Relinquished To Lab By: (Signature)	Date/Time: 10-29-24/1330	Received for Laboratory By: (Signature)	Date/Time: 10/29/24/1330

Custody Seal : Yes / No | COC Labels Agree: Yes / No | Appropriate Volume: Yes / No | Received on Ice: Yes / No | Temperature: _____ °C

Container Intact : Yes / No | Appropriate Containers: Yes / No | Coolers Intact: Yes / No | Samples Accepted: Yes / No | Thermometer ID: _____

North Tomball

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

24J5269

Lab PM : Aundra Noe	**Project Name** : City of Magnolia - Outfall 001-3 Part Grab Comp 1	**Schedule Comments:**
City of Magnolia Accounting 18111 Buddy Riley Boulevard Magnolia, TX 77354 Phone: 281-642-9577	**Project Comments**: 30910 Nichols Sawmill Rd Gate 1266# Darren 936-276-00 DAY OF GRAB 1 - TAKE GLASS RECEPTACLE & PLACE IN SAMPLER COORDINATE GRAB 1 & GRAB 2 COLLECTION TIMES WITH	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation		Field Results
24J5269-01	18 Mohm DI		10/30/2024 0535	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631	BrCl	
24J5269-02	Outfall 001 3 Part Grab		10/30/2024	AQ Grab	A Glass VOA 40mL HCl pH<2 B Glass VOA 40mL HCl pH<2 C Glass VOA 40mL HCl pH<2 D Glass VOA 40mL E Glass VOA 40mL F Glass VOA 40mL G Glass 4oz Boston Round	LL Hg-1631 Composite VOA	BrCl 4°C	

Field Remarks:		**Lab Preservation:** (Circle and Write ID Below) H2SO4 HNO3 NaOH Other:		
Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name Fernando C Duarte	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation NWDLS	Relinquished To Lab By: (Signature)	Date/Time 10-30-24/1220	Received for Laboratory By: (Signature) UMC	Date/Time 1220 10.30.24

Custody Seal : Yes / No | COC Labels Agree: Yes / No | Appropriate Volume: Yes / No | Received on Ice: Yes / No | Temperature: °C

Container Intact : Yes / No | Appropriate Containers: Yes / No | Coolers Intact: Yes / No | Samples Accepted: Yes / No | Thermometer ID:

North Tomball

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TCEQ TX-C24-00185

24J5270

Lab PM : Aundra Noe	**Project Name** : City of Magnolia - Outfall 001-3 Part Grab Comp 2	**Schedule Comments**:
City of Magnolia Accounting 18111 Buddy Riley Boulevard Magnolia, TX 77354 Phone: 281-642-9577	**Project Comments**: COORDINATE GRAB 1 & GRAB 2 COLLECTION TIMES WITH OTHER FIELD TECH IF NEEDED 30910 Nichols Sawmill Rd Gate 1266# Darren McClane - 832-773-4007 Call after samples collected.	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation	Field Results
24J5270-01	18 Mohm DI		10/30/2024 1405	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631 BrCl	
24J5270-02	Outfall 001 3 Part Grab		10/30/2024 1	AQ Grab	A Glass VOA 40mL HCl pH<2 B Glass VOA 40mL HCl pH<2 C Glass VOA 40mL HCl pH<2 D Glass VOA 40mL E Glass VOA 40mL F Glass VOA 40mL G Glass 4oz Boston Round	LL Hg-1631 BrCl Composite VOA 4°C	

Field Remarks:

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

Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name: Francisco Gutierrez	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation: NWDLS	Relinquished To Lab By: (Signature)	Date/Time 10-30-24/1455	Received for Laboratory By: (Signature) JLL	Date/Time 1455 10/30/24

Custody Seal : Yes / No | COC Labels Agree: Yes / No | Appropriate Volume: Yes / No | Received on Ice: Yes / No | Temperature: _____ °C
Container Intact : Yes / No | Appropriate Containers: Yes / No | Coolers Intact: Yes / No | Samples Accepted: Yes / No | Thermometer ID: _____

North Tomball

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TCEQ TX-C24-00185

24J5620

Lab PM : Aundra Noe	**Project Name** : City of Magnolia - NP - Permit Renewal	**Schedule Comments**:
City of Magnolia Burt Smith 18111 Buddy Riley Boulevard Magnolia, TX 77354 Phone: 281-642-9577	**Project Comments**: DO must be recorded before 9am If CL2 not between 1.0 - 4.0 Call Office Unless Dechlor plant <.1 Mark out Duplicated Outfall samples on regular chain 30910 Nichols Sawmill Rd Gate 1266# Darren McClane -	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation		Field Results	
24J5620-01	~~Outfall 001~~		~~10/31/2024~~ 0730	~~AQ Grab~~	A ~~HDPE 250mL~~ NaOH B ~~HDPE S250mL~~ Na2S2O3 C ~~Glass Wide 1L~~ w/ Teflon-lined Lid D ~~HDPE S250mL~~ Na2S2O3	ENT-ASTMD6503 TC EC-9223 O&G-1664 CN AMEN-4500 CN T-4500	Na2S2O3 <10°C Na2S2O3 <10°C HCl 4°C NaOH 4°C NaOH 4°C	DO Field Flow MGD Field pH Field Total Chlorine Residual WW Field	7.08 8.11

Rescheduled

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

24J5620

(Continued)

Lab PM : Aundra Noe

Project Name : City of Magnolia - NP - Permit Renewal

Schedule Comments:

City of Magnolia
Burt Smith
18111 Buddy Riley Boulevard
Magnolia, TX 77354
Phone: 281-642-9577

Project Comments: DO must be recorded before 9am If CL2 not between 1.0 - 4.0 Call Office
Unless Dechlor plant <.1 Mark out Duplicated Outfall samples on regular chain
30910 Nichols Sawmill Rd Gate 1266# Darren McClane -

24J5620-02	Outfall 001 Sampler		10/31/2024	AQ 24HR Comp	A HDPE 250mL AAHDPE 1L B Amber Glass 1L w/ Teflon-lined Lid C Amber Glass 1L w/ Teflon-lined Lid D HDPE 1L E PreCleaned HDPE 250mL HNO3 F HDPE 250mL G Glass VOA 60mL Protocol A H Glass VOA 60mL Protocol A I Glass VOA 60mL Protocol A J HDPE 250mL K HDPE 250mL H2SO4 L Amber Glass 250mL w/ Teflon-lined Lid M Amber Glass 250mL w/ Teflon-lined Lid N PreCleaned HDPE 250mL HNO3 O PreClean Amber Glass 250mL P Amber Glass 1L w/ Teflon-lined Lid Q Amber Glass 1L w/ Teflon-lined Lid R Amber Glass 1L w/ Teflon-lined Lid S Amber Glass 1L w/ Teflon-lined Lid T PreClean Amber Glass 250mL U PreClean Amber Glass 250mL V Amber Glass 250mL w/ Teflon-lined Lid W Amber Glass 250mL w/ Teflon-lined Lid X HDPE 250mL Y HDPE 250mL H2SO4 Z HDPE 250mL H2SO4	Aluminum ICPMS 200.8 HNO3 Antimony ICPMS 200.8 HNO3 Arsenic ICPMS 200.8 HNO3 Barium ICPMS 200.8 HNO3 Beryllium ICPMS 200.8 HNO3 Cadmium ICPMS 200.8 HNO3 Chromium ICPMS 200.8 HNO3 Copper ICPMS 200.8 HNO3 Lead ICPMS 200.8 HNO3 LPR Metals [Group Analysis] Nickel ICPMS 200.8 HNO3 Selenium ICPMS 200.8 HNO3 Silver ICPMS 200.8 HNO3 Thallium ICPMS 200.8 HNO3 Zinc ICPMS 200.8 HNO3 HERB-6640 4°C Nonylphenol-D7065 4°C OCP-608 4°C OPP-1657 4°C PCB-608 4°C SVOA-625 4°C Sub_CBURP-632 4°C Alkalinity-2320 4°C CBOD-5210 4°C Chloride IC 300.0 4°C Conductivity-2510 4°C Cr III ICPMS [Group Analysis] Cr VI-D 3500 Cr6+Buf 4°C Fluoride IC 300.0 4°C LPR Anions [Group Analysis] NH3-N SEAL-350.1 H2SO4 4°C Nitrate as N IC 300.0 4°C Nitrite as N IC 300.0 4°C Sulfate IC 300.0 4°C TDS-2540 4°C TKN T-4500 C H2SO4 4°C Total Phosphorus-365.1- H2SO4 4°C TSS-2540 4°C	

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TCEQ TX-C24-00185

24J5620

(Continued)

Lab PM : Aundra Noe	**Project Name** : City of Magnolia - NP - Permit Renewal	**Schedule Comments:**
City of Magnolia Burt Smith 18111 Buddy Riley Boulevard Magnolia, TX 77354 Phone: 281-642-9577	**Project Comments**: DO must be recorded before 9am If CL2 not between 1.0 - 4.0 Call Office Unless Dechlor plant <.1 Mark out Duplicated Outfall samples on regular chain 30910 Nichols Sawmill Rd Gate 1266# Darren McClane -	

24J5620-03	Outfall 001 3 Part Grab		10/31/2024	AQ Grab	A Glass VOA 40mL HCl pH<2 B Glass VOA 40mL HCl pH<2 C Glass VOA 40mL HCl pH<2 D Glass VOA 40mL E Glass VOA 40mL F Glass VOA 40mL G Glass 4oz Boston Round	LL Hg-1631 Composite VOA	BrCl 4°C	
24J5620-04	Outfall 001 3 Part Grab (		10/31/2024	AQ Grab 3-Part Cor		VOA-624	4°C	
24J5620-05	18 Mohm DI		10/31/2024	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631	BrCl	

Rescheduled

Field Remarks:

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

Sampler (Signature) HWR	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name Heath Reinke	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation NWDLS	Relinquished To Lab By: (Signature) HWR	Date/Time 1300 10-31-24	Received for Laboratory By: (Signature) JLH	Date/Time 1300 10/31/24

Custody Seal : Yes / No COC Labels Agree: Yes / No Appropriate Volume: Yes / No Received on Ice: Yes / No Temperature: °C

Container Intact : Yes / No Appropriate Containers: Yes / No Coolers Intact: Yes / No Samples Accepted: Yes / No Thermometer ID:

North Tomball

CHAIN OF CUSTODY RECORD

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TCEQ TX-C24-00185

24K1286

Lab PM : Aundra Noe	**Project Name** : City of Magnolia - Outfall 001-3 Part Grab Comp 1	**Schedule Comments:**
City of Magnolia Accounting 18111 Buddy Riley Boulevard Magnolia, TX 77354 Phone: 281-642-9577	**Project Comments**: 30910 Nichols Sawmill Rd Gate 1266# Darren 936-276-00 DAY OF GRAB 1 - TAKE GLASS RECEPTACLE & PLACE IN SAMPLER COORDINATE GRAB 1 & GRAB 2 COLLECTION TIMES WITH	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation	Field Results
24K1286-01	18 Mohm DI		11/4/2024 9:10	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631 BrCl	
24K1286-02	Outfall 001 3 Part Grab		11/4/2024 9:10	AQ Grab	A Glass VOA 40mL HCl pH<2 B Glass VOA 40mL HCl pH<2 C Glass VOA 40mL HCl pH<2 D Glass VOA 40mL E Glass VOA 40mL F Glass VOA 40mL G Glass 4oz Boston Round	LL Hg-1631 BrCl Composite VOA 4°C	

Field Remarks:

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

Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name: Stephen Galick	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation: NWDLS	Relinquished To Lab By: (Signature)	Date/Time 11/4/24 14:25	Received for Laboratory By: (Signature)	Date/Time 11/4/24/1425

Custody Seal : Yes / No | COC Labels Agree: Yes / No | Appropriate Volume: Yes / No | Received on Ice: Yes / No | Temperature: °C

Container Intact : Yes / No | Appropriate Containers: Yes / No | Coolers Intact: Yes / No | Samples Accepted: Yes / No | Thermometer ID:

North Tomball

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

24K1287

Lab PM : Aundra Noe	**Project Name** : City of Magnolia - Outfall 001-3 Part Grab Comp 2	**Schedule Comments:**
City of Magnolia Accounting 18111 Buddy Riley Boulevard Magnolia, TX 77354 Phone: 281-642-9577	**Project Comments**: COORDINATE GRAB 1 & GRAB 2 COLLECTION TIMES WITH OTHER FIELD TECH IF NEEDED 30910 Nichols Sawmill Rd Gate 1266# Darren McClane - 832-773-4007 Call after samples collected.	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation	Field Results
24K1287-01	18 Mohm DI		11/4/2024 13:30	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631 BrCl	
24K1287-02	Outfall 001 3 Part Grab		11/4/2024 13:30	AQ Grab	A Glass VOA 40mL HCl pH<2 B Glass VOA 40mL HCl pH<2 C Glass VOA 40mL HCl pH<2 D Glass VOA 40mL E Glass VOA 40mL F Glass VOA 40mL G Glass 4oz Boston Round	LL Hg-1631 BrCl Composite VOA 4°C	

Field Remarks:

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

Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name: Stephen Galick	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation: NWDLS	Relinquished To Lab By: (Signature)	Date/Time 11/4/24 14:25	Received for Laboratory By: (Signature) JK	Date/Time 11/4/24/1425

Custody Seal : Yes / No COC Labels Agree: Yes / No Appropriate Volume: Yes / No Received on Ice: Yes / No Temperature: _____ °C

Container Intact : Yes / No Appropriate Containers: Yes / No Coolers Intact: Yes / No Samples Accepted: Yes / No Thermometer ID: _____

North Tomball

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
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TCEQ TX-C24-00185

24K2230

Lab PM : Aundra Noe	**Project Name** : City of Magnolia - Outfall 001-3 Part Grab Comp 1	**Schedule Comments:**
City of Magnolia Accounting 18111 Buddy Riley Boulevard Magnolia, TX 77354 Phone: 281-642-9577	**Project Comments**: 30910 Nichols Sawmill Rd Gate 1266# Darren 936-276-00 DAY OF GRAB 1 - TAKE GLASS RECEPTACLE & PLACE IN SAMPLER COORDINATE GRAB 1 & GRAB 2 COLLECTION TIMES WITH	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation	Field Results
24K2230-01	18 Mohm DI		11/11/2024 1009	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631 BrCl	
24K2230-02	Outfall 001 3 Part Grab		11/11/2024	AQ Grab	A Glass VOA 40mL HCl pH<2 B Glass VOA 40mL HCl pH<2 C Glass VOA 40mL HCl pH<2 D Glass VOA 40mL E Glass VOA 40mL F Glass VOA 40mL G Glass 4oz Boston Round	LL Hg-1631 BrCl Composite VOA 4°C	

Field Remarks:

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

Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name Eddie Blackshear	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation NWDLS	Relinquished To Lab By: (Signature)	Date/Time 11/11/24 1515	Received for Laboratory By: (Signature) VMC	Date/Time 1515 11.11.24

Custody Seal : Yes / No COC Labels Agree: Yes / No Appropriate Volume: Yes / No Received on Ice: Yes / No Temperature: °C

Container Intact : Yes / No Appropriate Containers: Yes / No Coolers Intact: Yes / No Samples Accepted: Yes / No Thermometer ID:

North Tomball

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
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TCEQ TX-C24-00185

24K2231

Lab PM : Aundra Noe	**Project Name** : City of Magnolia - Outfall 001-3 Part Grab Comp 2	**Schedule Comments:**
City of Magnolia Accounting 18111 Buddy Riley Boulevard Magnolia, TX 77354 Phone: 281-642-9577	**Project Comments**: COORDINATE GRAB 1 & GRAB 2 COLLECTION TIMES WITH OTHER FIELD TECH IF NEEDED 30910 Nichols Sawmill Rd Gate 1266# Darren McClane - 832-773-4007 Call after samples collected.	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation	Field Results
24K2231-01	18 Mohm DI		11/11/2024 11:00	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631 BrCl	
24K2231-02	Outfall 001 3 Part Grab		11/11/2024	AQ Grab	A Glass VOA 40mL HCl pH<2 B Glass VOA 40mL HCl pH<2 C Glass VOA 40mL HCl pH<2 D Glass VOA 40mL E Glass VOA 40mL F Glass VOA 40mL G Glass 4oz Boston Round	LL Hg-1631 BrCl Composite VOA 4°C	

Field Remarks:

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

Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name: Eddie Blackshear	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation: MWDLJ	Relinquished To Lab By: (Signature)	Date/Time 15:15 11/11/24	Received for Laboratory By: (Signature) KMC	Date/Time 1515 11.11.24

Custody Seal : Yes / No | COC Labels Agree: Yes / No | Appropriate Volume: Yes / No | Received on Ice: Yes / No | Temperature: °C

Container Intact : Yes / No | Appropriate Containers: Yes / No | Coolers Intact: Yes / No | Samples Accepted: Yes / No | Thermometer ID:

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24K2565

Lab PM : Aundra Noe	**Project Name** : City of Magnolia - NP - Permit Renewal	**Schedule Comments**:
City of Magnolia Burt Smith 18111 Buddy Riley Boulevard Magnolia, TX 77354 Phone: 281-642-9577	**Project Comments**: DO must be recorded before 9am If CL2 not between 1.0 - 4.0 Call Office Unless Dechlor plant <.1 Mark out Duplicated Outfall samples on regular chain 30910 Nichols Sawmill Rd Gate 1266# Darren McClane -	moved to thursday

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation		Field Results
24K2565-01	Outfall 001		11/12/2024	AQ Grab	A HDPE 250mL NaOH B HDPE S250mL Na2S2O3 C Glass Wide 1L w/ Teflon-lined Lid D HDPE S250mL Na2S2O3	ENT-ASTMD6503 TC EC-9223 O&G-1664 CN AMEN-4500 CN T-4500	Na2S2O3 <10°C Na2S2O3 <10°C HCl 4°C NaOH 4°C NaOH 4°C	DO Field _____ Flow MGD Field _____ pH Field _____ Total Chlorine Residual WW Field _____

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24K2565

(Continued)

Lab PM : Aundra Noe	**Project Name** : City of Magnolia - NP - Permit Renewal	**Schedule Comments**:
City of Magnolia Burt Smith 18111 Buddy Riley Boulevard Magnolia, TX 77354 Phone: 281-642-9577	**Project Comments**: DO must be recorded before 9am If CL2 not between 1.0 - 4.0 Call Office Unless Dechlor plant <.1 Mark out Duplicated Outfall samples on regular chain 30910 Nichols Sawmill Rd Gate 1266# Darren McClane -	moved to Thursday

24K2565-02	Outfall 001 Sampler		11/12/2024	AQ 24HR Comp	A HDPE 250mL AAHDPE 1L B Amber Glass 1L w/ Teflon-lined Lid C Amber Glass 1L w/ Teflon-lined Lid D HDPE 1L E PreCleaned HDPE 250mL HNO3 F HDPE 250mL G Glass VOA 60mL Protocol A H Glass VOA 60mL Protocol A I Glass VOA 60mL Protocol A J HDPE 250mL K HDPE 250mL H2SO4 L Amber Glass 250mL w/ Teflon-lined Lid M Amber Glass 250mL w/ Teflon-lined Lid N PreCleaned HDPE 250mL HNO3 O PreClean Amber Glass 250mL P Amber Glass 1L w/ Teflon-lined Lid Q Amber Glass 1L w/ Teflon-lined Lid R Amber Glass 1L w/ Teflon-lined Lid S Amber Glass 1L w/ Teflon-lined Lid T PreClean Amber Glass 250mL U PreClean Amber Glass 250mL V Amber Glass 250mL w/ Teflon-lined Lid W Amber Glass 250mL w/ Teflon-lined Lid X HDPE 250mL Y HDPE 250mL H2SO4 Z HDPE 250mL H2SO4	Aluminum ICPMS 200.8 HNO3 Antimony ICPMS 200.8 HNO3 Arsenic ICPMS 200.8 HNO3 Barium ICPMS 200.8 HNO3 Beryllium ICPMS 200.8 HNO3 Cadmium ICPMS 200.8 HNO3 Chromium ICPMS 200.8 HNO3 Copper ICPMS 200.8 HNO3 Lead ICPMS 200.8 HNO3 LPR Metals [Group Analysis] Nickel ICPMS 200.8 HNO3 Selenium ICPMS 200.8 HNO3 Silver ICPMS 200.8 HNO3 Thallium ICPMS 200.8 HNO3 Zinc ICPMS 200.8 HNO3 HERB-6640 4°C Nonylphenol-D7065 4°C OCP-608 4°C OPP-1657 4°C PCB-608 4°C SVOA-625 4°C Sub_CBURP-632 4°C Alkalinity-2320 4°C CBOD-5210 4°C Chloride IC 300.0 4°C Conductivity-2510 4°C Cr III ICPMS [Group Analysis] Cr VI-D 3500 Cr6+Buf 4°C Fluoride IC 300.0 4°C LPR Anions [Group Analysis] NH3-N SEAL-350.1 H2SO4 4°C Nitrate as N IC 300.0 4°C Nitrite as N IC 300.0 4°C Sulfate IC 300.0 4°C TDS-2540 4°C TKN T-4500 C H2SO4 4°C Total Phosphorus-365.1- H2SO4 4°C TSS-2540 4°C	

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24K2565

(Continued)

Lab PM : Aundra Noe	**Project Name** : City of Magnolia - NP - Permit Renewal	**Schedule Comments:**
City of Magnolia Burt Smith 18111 Buddy Riley Boulevard Magnolia, TX 77354 Phone: 281-642-9577	**Project Comments**: DO must be recorded before 9am If CL2 not between 1.0 - 4.0 Call Office Unless Dechlor plant <.1 Mark out Duplicated Outfall samples on regular chain 30910 Nichols Sawmill Rd Gate 1266# Darren McClane -	moved to thursday

24K2565-03	Outfall 001 3 Part Grab		11/12/2024	AQ Grab	A Glass VOA 40mL HCl pH<2 B Glass VOA 40mL HCl pH<2 C Glass VOA 40mL HCl pH<2 D Glass VOA 40mL E Glass VOA 40mL F Glass VOA 40mL G Glass 4oz Boston Round	LL Hg-1631 Composite VOA	BrCl 4°C	
24K2565-04	Outfall 001 3 Part Grab (		11/12/2024	AQ Grab 3-Part Cor		VOA-624	4°C	
24K2565-05	18 Mohm DI		11/12/2024	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631	BrCl	

Field Remarks:

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

Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name Kranch Chavez	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation NWDLS	Relinquished To Lab By: (Signature)	Date/Time 11-12-24/1305	Received for Laboratory By: (Signature) KMC	Date/Time 1305 11.12.24

Custody Seal : Yes / No COC Labels Agree: Yes / No Appropriate Volume: Yes / No Received on Ice: Yes / No Temperature: °C

Container Intact : Yes / No Appropriate Containers: Yes / No Coolers Intact: Yes / No Samples Accepted: Yes / No Thermometer ID:

North Tomball

CHAIN OF CUSTODY RECORD

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TCEQ TX-C24-00185

24K2777

Lab PM : Aundra Noe	**Project Name** : City of Magnolia - Outfall 001-3 Part Grab Comp 1	**Schedule Comments**:
City of Magnolia Accounting 18111 Buddy Riley Boulevard Magnolia, TX 77354 Phone: 281-642-9577	**Project Comments**: 30910 Nichols Sawmill Rd Gate 1266# Darren 936-276-00 DAY OF GRAB 1 - TAKE GLASS RECEPTACLE & PLACE IN SAMPLER COORDINATE GRAB 1 & GRAB 2 COLLECTION TIMES WITH	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation	Field Results
24K2777-01	~~18 Mohm DI~~		11/13/2024 ~~0800~~	AQ Grab	A ~~Glass 4oz Boston Round~~	LL Hg-1631 BrCl	
24K2777-02	~~Outfall 001-3 Part Grab~~		11/13/2024 0800	AQ Grab	A ~~Glass VOA 40mL HCl pH<2~~ B ~~Glass VOA 40mL HCl pH<2~~ C ~~Glass VOA 40mL HCl pH<2~~ D ~~Glass VOA 40mL~~ E ~~Glass VOA 40mL~~ F ~~Glass VOA 40mL~~ G Glass 4oz Boston Round	LL Hg-1631 BrCl Composite VOA 4°C	

Rescheduled

Field Remarks:		**Lab Preservation:** (Circle and Write ID Below) H2SO4	HNO3	NaOH	Other:
Sampler (Signature) HWR	Relinquished By: (Signature)	Date/Time	Received By: (Signature)		Date/Time
Print Name Heath Penne	Relinquished By: (Signature)	Date/Time	Received By: (Signature)		Date/Time
Affiliation NWDLS	Relinquished To Lab By: (Signature) HWR	Date/Time 1230 11-13-24	Received for Laboratory By: (Signature) VMC		Date/Time 1230 11-13-24

Custody Seal : Yes / No	COC Labels Agree: Yes / No	Appropriate Volume: Yes / No	Received on Ice: Yes / No	Temperature: °C
Container Intact : Yes / No	Appropriate Containers: Yes / No	Coolers Intact: Yes / No	Samples Accepted: Yes / No	Thermometer ID:

North Tomball

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

24K2778

Lab PM : Aundra Noe	**Project Name** : City of Magnolia - Outfall 001-3 Part Grab Comp 2	**Schedule Comments:**
City of Magnolia Accounting 18111 Buddy Riley Boulevard Magnolia, TX 77354 Phone: 281-642-9577	**Project Comments**: COORDINATE GRAB 1 & GRAB 2 COLLECTION TIMES WITH OTHER FIELD TECH IF NEEDED 30910 Nichols Sawmill Rd Gate 1266# Darren McClane - 832-773-4007 Call after samples collected.	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation	Field Results
24K2778-01	18 Mohm DI		11/13/2024	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631 BrCl	
24K2778-02	Outfall 001 3 Part Grab		11/13/2024	AQ Grab	A Glass VOA 40mL HCl pH<2 B Glass VOA 40mL HCl pH<2 C Glass VOA 40mL HCl pH<2 D Glass VOA 40mL E Glass VOA 40mL F Glass VOA 40mL G Glass 4oz Boston Round	LL Hg-1631 BrCl Composite VOA 4°C	

Rescheduled

Field Remarks:

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

Sampler (Signature) HWR	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name Heath Reinke	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation NWDLS	Relinquished To Lab By: (Signature) HWR	Date/Time 1230 11-13-24	Received for Laboratory By: (Signature) KMC	Date/Time 1230 11.13.24

Custody Seal : Yes / No | COC Labels Agree: Yes / No | Appropriate Volume: Yes / No | Received on Ice: Yes / No | Temperature: °C

Container Intact : Yes / No | Appropriate Containers: Yes / No | Coolers Intact: Yes / No | Samples Accepted: Yes / No | Thermometer ID:

North Tomball

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

24K2914

Lab PM : Aundra Noe	**Project Name** : City of Magnolia - Outfall 001-3 Part Grab Comp 1	**Schedule Comments**:
City of Magnolia Accounting 18111 Buddy Riley Boulevard Magnolia, TX 77354 Phone: 281-642-9577	**Project Comments**: 30910 Nichols Sawmill Rd Gate 1266# Darren 936-276-00 DAY OF GRAB 1 - TAKE GLASS RECEPTACLE & PLACE IN SAMPLER COORDINATE GRAB 1 & GRAB 2 COLLECTION TIMES WITH	reschedule

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation	Field Results
24K2914-01	18 Mohm DI		11/14/2024	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631 BrCl	
24K2914-02	Outfall 001 3 Part Grab		11/14/2024	AQ Grab	A Glass VOA 40mL HCl pH<2 B Glass VOA 40mL HCl pH<2 C Glass VOA 40mL HCl pH<2 D Glass VOA 40mL E Glass VOA 40mL F Glass VOA 40mL G Glass 4oz Boston Round	LL Hg-1631 BrCl Composite VOA 4°C	

Field Remarks:

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

Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name: Fernando Edwards	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation: NWDLS	Relinquished To Lab By: (Signature)	Date/Time 11-14-24/1250	Received for Laboratory By: (Signature) KMC	Date/Time 1250 11-14-24

Custody Seal : Yes / No | COC Labels Agree: Yes / No | Appropriate Volume: Yes / No | Received on Ice: Yes / No | Temperature: _____ °C

Container Intact : Yes / No | Appropriate Containers: Yes / No | Coolers Intact: Yes / No | Samples Accepted: Yes / No | Thermometer ID: _____

North Tomball

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

24K2915

Lab PM : Aundra Noe	**Project Name** : City of Magnolia - Outfall 001-3 Part Grab Comp 2	**Schedule Comments**:
City of Magnolia Accounting 18111 Buddy Riley Boulevard Magnolia, TX 77354 Phone: 281-642-9577	**Project Comments**: COORDINATE GRAB 1 & GRAB 2 COLLECTION TIMES WITH OTHER FIELD TECH IF NEEDED 30910 Nichols Sawmill Rd Gate 1266# Darren McClane - 832-773-4007 Call after samples collected.	reschedule

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation	Field Results
24K2915-01	18 Mohm DI		11/14/2024	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631 BrCl	
24K2915-02	Outfall 001 3 Part Grab		11/14/2024	AQ Grab	A Glass VOA 40mL HCl pH<2 B Glass VOA 40mL HCl pH<2 C Glass VOA 40mL HCl pH<2 D Glass VOA 40mL E Glass VOA 40mL F Glass VOA 40mL G Glass 4oz Boston Round	LL Hg-1631 BrCl Composite VOA 4°C	

Field Remarks:

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

Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name Forman C	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation MWDW	Relinquished To Lab By: (Signature)	Date/Time 11-14-24 1250	Received for Laboratory By: (Signature) UMC	Date/Time 1250 11.14.24

Custody Seal : Yes / No
Container Intact : Yes / No
COC Labels Agree: Yes / No
Appropriate Containers: Yes / No
Appropriate Volume: Yes / No
Coolers Intact: Yes / No
Received on Ice: Yes / No
Samples Accepted: Yes / No
Temperature: _____ °C
Thermometer ID: _____

North Tomball

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

24K3096

Lab PM : Aundra Noe	**Project Name** : City of Magnolia - NP - Permit Renewal	**Schedule Comments:**
City of Magnolia Burt Smith 18111 Buddy Riley Boulevard Magnolia, TX 77354 Phone: 281-642-9577	**Project Comments**: DO must be recorded before 9am If CL2 not between 1.0 - 4.0 Call Office Unless Dechlor plant <.1 Mark out Duplicated Outfall samples on regular chain 30910 Nichols Sawmill Rd Gate 1266# Darren McClane -	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation		Field Results	
24K3096-01	Outfall 001		11/15/2024 0750	AQ Grab	A HDPE 250mL NaOH B HDPE S250mL Na2S2O3 C Glass Wide 1L w/ Teflon-lined Lid D HDPE S250mL Na2S2O3	ENT-ASTMD6503 TC EC-9223 O&G-1664 CN AMEN-4500 CN T-4500	Na2S2O3 <10°C Na2S2O3 <10°C HCl 4°C NaOH 4°C NaOH 4°C	DO Field Flow MGD Field pH Field Total Chlorine Residual WW Field	7.18 0.050 6.93 0.03

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

24K3096

(Continued)

Lab PM : Aundra Noe	**Project Name** : City of Magnolia - NP - Permit Renewal	**Schedule Comments:**
City of Magnolia Burt Smith 18111 Buddy Riley Boulevard Magnolia, TX 77354 Phone: 281-642-9577	**Project Comments**: DO must be recorded before 9am If CL2 not between 1.0 - 4.0 Call Office Unless Dechlor plant <.1 Mark out Duplicated Outfall samples on regular chain 30910 Nichols Sawmill Rd Gate 1266# Darren McClane -	

24K3096-02	Outfall 001 Sampler	11-14-24/0500	11/15/2024/0500	AQ 24HR Comp	A HDPE 250mL AAHDPE 1L B Amber Glass 1L w/ Teflon-lined Lid C Amber Glass 1L w/ Teflon-lined Lid D HDPE 1L E PreCleaned HDPE 250mL HNO3 F HDPE 250mL G Glass VOA 60mL Protocol A H Glass VOA 60mL Protocol A I Glass VOA 60mL Protocol A J HDPE 250mL K HDPE 250mL H2SO4 L Amber Glass 250mL w/ Teflon-lined Lid M Amber Glass 250mL w/ Teflon-lined Lid N PreCleaned HDPE 250mL HNO3 O PreClean Amber Glass 250mL P Amber Glass 1L w/ Teflon-lined Lid Q Amber Glass 1L w/ Teflon-lined Lid R Amber Glass 1L w/ Teflon-lined Lid S Amber Glass 1L w/ Teflon-lined Lid T PreClean Amber Glass 250mL U PreClean Amber Glass 250mL V Amber Glass 250mL w/ Teflon-lined Lid W Amber Glass 250mL w/ Teflon-lined Lid X HDPE 250mL Y HDPE 250mL H2SO4 Z HDPE 250mL H2SO4	Aluminum ICPMS 200.8 HNO3 Antimony ICPMS 200.8 HNO3 Arsenic ICPMS 200.8 HNO3 Barium ICPMS 200.8 HNO3 Beryllium ICPMS 200.8 HNO3 Cadmium ICPMS 200.8 HNO3 Chromium ICPMS 200.8 HNO3 Copper ICPMS 200.8 HNO3 Lead ICPMS 200.8 HNO3 LPR Metals [Group Analysis] Nickel ICPMS 200.8 HNO3 Selenium ICPMS 200.8 HNO3 Silver ICPMS 200.8 HNO3 Thallium ICPMS 200.8 HNO3 Zinc ICPMS 200.8 HNO3 HERB-6640 4°C Nonylphenol-D7065 4°C OCP-608 4°C OPP-1657 4°C PCB-608 4°C SVOA-625 4°C Sub_CBURP-632 4°C Alkalinity-2320 4°C CBOD-5210 4°C Chloride IC 300.0 4°C Conductivity-2510 4°C Cr III ICPMS [Group Analysis] Cr VI-D 3500 Cr6+Buf 4°C Fluoride IC 300.0 4°C LPR Anions [Group Analysis] NH3-N SEAL-350.1 H2SO4 4°C Nitrate as N IC 300.0 4°C Nitrite as N IC 300.0 4°C Sulfate IC 300.0 4°C TDS-2540 4°C TKN T-4500 C H2SO4 4°C Total Phosphorus-365.1- H2SO4 4°C TSS-2540 4°C	

CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

24K3096

(Continued)

Lab PM : Aundra Noe	**Project Name** : City of Magnolia - NP - Permit Renewal	**Schedule Comments:**
City of Magnolia Burt Smith 18111 Buddy Riley Boulevard Magnolia, TX 77354 Phone: 281-642-9577	**Project Comments**: DO must be recorded before 9am If CL2 not between 1.0 - 4.0 Call Office Unless Dechlor plant <.1 Mark out Duplicated Outfall samples on regular chain 30910 Nichols Sawmill Rd Gate 1266# Darren McClane -	

24K3096-03	Outfall 001 3 Part Grab		11/15/2024 0750	AQ Grab	A Glass VOA 40mL HCl pH<2 B Glass VOA 40mL HCl pH<2 C Glass VOA 40mL HCl pH<2 D Glass VOA 40mL E Glass VOA 40mL F Glass VOA 40mL G Glass 4oz Boston Round	LL Hg-1631 Composite VOA	BrCl 4°C	
24K3096-04	Outfall 001 3 Part Grab C		11/15/2024	AQ Grab 3-Part Cor		VOA-624	4°C	
24K3096-05	18 Mohm DI		11/15/2024	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631	BrCl	

Field Remarks:

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

Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name Fernando Chavez	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation NWDLS	Relinquished To Lab By: (Signature)	Date/Time 11-15-24/1335	Received for Laboratory By: (Signature) KMC	Date/Time 1335 11.15.24

Custody Seal : Yes / No COC Labels Agree: Yes / No Appropriate Volume: Yes / No Received on Ice: Yes / No Temperature: °C

Container Intact : Yes / No Appropriate Containers: Yes / No Coolers Intact: Yes / No Samples Accepted: Yes / No Thermometer ID:

North Tomball

CHAIN OF CUSTODY RECORD

NWDLS
North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

24K3268

Lab PM : Aundra Noe	**Project Name** : City of Magnolia - Outfall 001-3 Part Grab Comp 1	**Schedule Comments:**
City of Magnolia Accounting 18111 Buddy Riley Boulevard Magnolia, TX 77354 Phone: 281-642-9577	**Project Comments**: 30910 Nichols Sawmill Rd Gate 1266# Darren 936-276-00 DAY OF GRAB 1 - TAKE GLASS RECEPTACLE & PLACE IN SAMPLER COORDINATE GRAB 1 & GRAB 2 COLLECTION TIMES WITH	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation	Field Results
24K3268-01	18 Mohm DI		11/16/2024 08:45	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631 BrCl	
24K3268-02	Outfall 001 3 Part Grab		11/16/2024	AQ Grab	A Glass VOA 40mL HCl pH<2 B Glass VOA 40mL HCl pH<2 C Glass VOA 40mL HCl pH<2 D Glass VOA 40mL E Glass VOA 40mL F Glass VOA 40mL G Glass 4oz Boston Round	LL Hg-1631 BrCl Composite VOA 4°C	

Field Remarks:

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

Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name: Eddie Gilchrist	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation: NWDLS	Relinquished To Lab By: (Signature)	Date/Time 14:25 11/16/24	Received for Laboratory By: (Signature) AJK	Date/Time 11/16/24/1425

Custody Seal : Yes / No | COC Labels Agree: Yes / No | Appropriate Volume: Yes / No | Received on Ice: Yes / No | Temperature: °C

Container Intact : Yes / No | Appropriate Containers: Yes / No | Coolers Intact: Yes / No | Samples Accepted: Yes / No | Thermometer ID:

North Tomball

CHAIN OF CUSTODY RECORD

NWDLS
North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

24K3269

Lab PM : Aundra Noe	**Project Name** : City of Magnolia - Outfall 001-3 Part Grab Comp 2	**Schedule Comments:**
City of Magnolia Accounting 18111 Buddy Riley Boulevard Magnolia, TX 77354 Phone: 281-642-9577	**Project Comments**: COORDINATE GRAB 1 & GRAB 2 COLLECTION TIMES WITH OTHER FIELD TECH IF NEEDED 30910 Nichols Sawmill Rd Gate 1266# Darren McClane - 832-773-4007 Call after samples collected.	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation	Field Results
24K3269-01	18 Mohm DI		11/16/2024 13:10	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631 BrCl	
24K3269-02	Outfall 001 3 Part Grab		11/16/2024	AQ Grab	A Glass VOA 40mL HCl pH<2 B Glass VOA 40mL HCl pH<2 C Glass VOA 40mL HCl pH<2 D Glass VOA 40mL E Glass VOA 40mL F Glass VOA 40mL G Glass 4oz Boston Round	LL Hg-1631 BrCl Composite VOA 4°C	

Field Remarks:

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

Sampler (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Print Name: Eddie Blackshear	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation: NWDLS	Relinquished To Lab By: (Signature)	Date/Time 14:25 11/16/24	Received for Laboratory By: (Signature)	Date/Time 11/16/24/1425

Custody Seal : Yes / No | COC Labels Agree: Yes / No | Appropriate Volume: Yes / No | Received on Ice: Yes / No | Temperature: °C

Container Intact : Yes / No | Appropriate Containers: Yes / No | Coolers Intact: Yes / No | Samples Accepted: Yes / No | Thermometer ID:

North Tomball

NWDLS
North Water District
Laboratory Services, Inc.

SUBCONTRACT ORDER

Sending Laboratory:

North Water District Laboratory Services, Inc.
130 South Trade Center Parkway
Conroe, TX 77385
Phone: 936-321-6060
Fax: 936-321-6061

Project Manager: Aundra Noe

Subcontracted Laboratory:

SPL
2600 Dudley Rd
Kilgore, TX 75662
Phone: (903) 984-0551
Fax:

Work Order: 24K3096

Analysis	Due	Expires	Comments
Sample ID: 24K3096-02	***Waste Water***	***Sampled: 11/15/2024 05:00***	
Sub_CBURP-632	11/29/2024	11/22/2024 05:00	
Analyte(s):			
Carbaryl	Diuron		
Containers Supplied:			

CA, mA — Released By — 11.18.24 — Date

UPS — Received By — 11.18.24 — Date

Laboratory Analysis Report

Total Number of Pages: 9

Job ID : 24112039

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name :
24K3096

Report To :

Client Name: NWDLS
Attn: Aundra Noe
Client Address: 130 S Trade Center Pkwy
City, State, Zip: Conroe, Texas, 77385

P.O.#.: 24K3096
Sample Collected By:
Date Collected: 11/15/24

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

Client Sample ID	Matrix	A&B Sample ID
24K3096-02	Waste Water	24112039.01

Released By: Gobinath Rangasamy
Title: Project Manager
Date: 11/26/2024

This Laboratory is NELAP (T104704213-23-31) accredited. Effective: 04/01/2024; Expires: 03/31/2025
Scope: Non-Potable Water, Drinking Water, Air, Solid, Biological Tissue, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

ab-q210-0321

Date Received : 11/19/2024 08:36

LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 24112039

Date: 11/26/2024

General Term Definition

Back-Wt	Back Weight	Post-Wt	Post Weight
BRL	Below Reporting Limit	ppm	parts per million
cfu	colony-forming units	Pre-Wt	Previous Weight
Conc.	Concentration	Q	Qualifier
D.F.	Dilution Factor	RegLimit	Regulatory Limit
Front-Wt	Front Weight	RLU	Relative Light Unit
J	Estimation. Below calibration range but above MDL	RPD	Relative Percent Difference
LCS	Laboratory Check Standard	RptLimit	Reporting Limit
LCSD	Laboratory Check Standard Duplicate	SDL	Sample Detection Limit
LOD	Limit of detection adjusted for %M + DF	SQL	Below calibration range but above MDL
LOQ	Limit of Quantitation adjusted for %M + DF	surr	Surrogate
MS	Matrix Spike	T	Time
MSD	Matrix Spike Duplicate	TNTC	Too numerous to count
MW	Molecular Weight	UQL	Unadjusted Upper Quantitation Limit
MQL	Unadjusted Minimum Quantitation Limit		

Qualifier Definition

U	Undetected at SDL (Sample Detection Limit).

LABORATORY TEST RESULTS

Job ID : 24112039

Date 11/26/2024

Client Name: NWDLS

Attn: Aundra Noe

Project Name: 24K3096

Client Sample ID: 24K3096-02
Date Collected: 11/15/24
Time Collected: 05:00
Other Information:

Job Sample ID: 24112039.01
Sample Matrix Waste Water
% Moisture

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
EPA 608.3	Polychlorinated Biphenyls									
	Aroclor 1016	<0.03	ug/L	1.00	0.03	0.0500		U	11/20/24 01:01	KMN
	Aroclor 1221	<0.02	ug/L	1.00	0.02	0.0500		U	11/20/24 01:01	KMN
	Aroclor 1232	<0.0049	ug/L	1.00	0.0049	0.0500		U	11/20/24 01:01	KMN
	Aroclor 1242	<0.0017	ug/L	1.00	0.0017	0.0500		U	11/20/24 01:01	KMN
	Aroclor 1248	<0.01	ug/L	1.00	0.01	0.0500		U	11/20/24 01:01	KMN
	Aroclor 1254	<0.0047	ug/L	1.00	0.0047	0.0500		U	11/20/24 01:01	KMN
	Aroclor 1260	<0.03	ug/L	1.00	0.03	0.0500		U	11/20/24 01:01	KMN
	Total PCBs	<0.03	ug/L	1.00	0.03	0.0500		U	11/20/24 01:01	KMN
	Decachlorobiphenyl(surr)	88.5	%	1.00		35-129			11/20/24 01:01	KMN
	Tetrachloro-m-xylene(surr)	67	%	1.00		27-127			11/20/24 01:01	KMN
EPA 608.3	Organochlorine Pesticides									
	Alpha-chlordane	<0.004	ug/L	1.00	0.004	0.010		U	11/22/24 00:07	KMN
	Dicofol[2]	<0.050	ug/L	1.00	0.050	0.050		U	11/22/24 00:07	KMN
	Gamma-chlordane	<0.004	ug/L	1.00	0.004	0.010		U	11/22/24 00:07	KMN
	4,4-DDD	<0.002	ug/L	1.00	0.002	0.010		U	11/22/24 00:07	KMN
	4,4-DDE	<0.009	ug/L	1.00	0.009	0.010		U	11/22/24 00:07	KMN
	4,4-DDT	<0.004	ug/L	1.00	0.004	0.010		U	11/22/24 00:07	KMN
	a-BHC	<0.003	ug/L	1.00	0.003	0.010		U	11/22/24 00:07	KMN
	Aldrin	<0.004	ug/L	1.00	0.004	0.010		U	11/22/24 00:07	KMN
	b-BHC	<0.004	ug/L	1.00	0.004	0.010		U	11/22/24 00:07	KMN
	Chlordane	<0.100	ug/L	1.00	0.100	0.100		U	11/22/24 00:07	KMN
	d-BHC	<0.006	ug/L	1.00	0.006	0.010		U	11/22/24 00:07	KMN
	Dieldrin	<0.005	ug/L	1.00	0.005	0.010		U	11/22/24 00:07	KMN
	Endosulfan I	<0.007	ug/L	1.00	0.007	0.010		U	11/22/24 00:07	KMN
	Endosulfan II	<0.004	ug/L	1.00	0.004	0.010		U	11/22/24 00:07	KMN
	Endosulfan sulfate	<0.005	ug/L	1.00	0.005	0.010		U	11/22/24 00:07	KMN
	Endrin	<0.004	ug/L	1.00	0.004	0.010		U	11/22/24 00:07	KMN
	Endrin aldehyde	<0.003	ug/L	1.00	0.003	0.010		U	11/22/24 00:07	KMN
	g-BHC	<0.004	ug/L	1.00	0.004	0.010		U	11/22/24 00:07	KMN
	Heptachlor	<0.004	ug/L	1.00	0.004	0.010		U	11/22/24 00:07	KMN
	Heptachlor epoxide	<0.004	ug/L	1.00	0.004	0.010		U	11/22/24 00:07	KMN
	Methoxychlor	<0.003	ug/L	1.00	0.003	0.010		U	11/22/24 00:07	KMN
	Mirex[2]	<0.010	ug/L	1.00	0.010	0.010		U	11/22/24 00:07	KMN
	Toxaphene	<0.100	ug/L	1.00	0.100	0.100		U	11/22/24 00:07	KMN
	Decachlorobiphenyl(surr)	49.5	%	1.00		34-120			11/22/24 00:07	KMN

LABORATORY TEST RESULTS

Job ID : 24112039

Date 11/26/2024

Client Name: NWDLS

Attn: Aundra Noe

Project Name: 24K3096

Client Sample ID: 24K3096-02
Date Collected: 11/15/24
Time Collected: 05:00
Other Information:

Job Sample ID: 24112039.01
Sample Matrix Waste Water
% Moisture

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
EPA 608.3	Organochlorine Pesticides									
	Tetrachloro-m-xylene(surr)	44.8	%	1.00		24-127			11/22/24 00:07	KMN

ab-q212-0321

[2]-Parameter not available for accreditation.

QUALITY CONTROL CERTIFICATE

Job ID : 24112039 **Date :** 11/26/2024

Analysis : Polychlorinated Biphenyls **Method :** EPA 608.3 **Reporting Units :** ug/L

QC Batch ID : Qb241122112 **Created Date :** 11/19/24 **Created By :** KMedina

Samples in This QC Batch : 24112039.01

Extraction : PB24111915 **Prep Method :** EPA 608.3 **Prep Date :** 11/19/24 10:00 **Prep By :** KHaxhillari

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Aroclor 1016	12674-11-2	< MDL	ug/L	1.00	0.05	0.025		
Aroclor 1221	11104-28-2	< MDL	ug/L	1.00	0.05	0.01871		
Aroclor 1232	11141-16-5	< MDL	ug/L	1.00	0.05	0.00493		
Aroclor 1242	53469-21-9	< MDL	ug/L	1.00	0.05	0.00166		
Aroclor 1248	12672-29-6	< MDL	ug/L	1.00	0.05	0.00788		
Aroclor 1254	11097-69-1	< MDL	ug/L	1.00	0.05	0.00474		
Aroclor 1260	11096-82-5	< MDL	ug/L	1.00	0.05	0.026		
Total PCBs		< MDL	ug/L	1.00	0.05	0.026		
Decachlorobiphenyl(surr)	2051-24-3	122	%	1.00				
Tetrachloro-m-xylene(surr)	877-09-8	92.5	%	1.00				

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Aroclor 1016	2	2.31	116	2	1.91	95.5	19	30	53.7-124	
Aroclor 1260	2	2.09	104	2	2.00	100	4.3	30	51.7-130	
Total PCBs	4	4.40	110	4	3.91	97.9	11.8	30	51.7-130	

QUALITY CONTROL CERTIFICATE

Job ID : 24112039 **Date :** 11/26/2024

Analysis : Organochlorine Pesticides **Method :** EPA 608.3 **Reporting Units :** ug/L

QC Batch ID : Qb24112598 **Created Date :** 11/21/24 **Created By :** KMedina

Samples in This QC Batch : 24112039.01

Extraction : PB24111917 **Prep Method :** EPA 608.3 **Prep Date :** 11/19/24 10:00 **Prep By :** KHaxhillari

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL	Qual
Alpha-chlordane	5103-71-9	< MDL	ug/L	1.00	0.01	0.004	
Dicofol	115-32-2	< MDL	ug/L	1.00	0.05	0.05	
Gamma-chlordane	5103-74-2	< MDL	ug/L	1.00	0.01	0.004	
4,4-DDD	72-54-8	< MDL	ug/L	1.00	0.01	0.002	
4,4-DDE	72-55-9	< MDL	ug/L	1.00	0.01	0.009	
4,4-DDT	50-29-3	< MDL	ug/L	1.00	0.01	0.004	
a-BHC	319-84-6	< MDL	ug/L	1.00	0.01	0.003	
Aldrin	309-00-2	< MDL	ug/L	1.00	0.01	0.004	
b-BHC	319-85-7	< MDL	ug/L	1.00	0.01	0.004	
Chlordane	57-74-9	< MDL	ug/L	1.00	0.1	0.1	
d-BHC	319-86-8	< MDL	ug/L	1.00	0.01	0.006	
Dieldrin	60-57-1	< MDL	ug/L	1.00	0.01	0.005	
Endosulfan I	959-98-8	< MDL	ug/L	1.00	0.01	0.007	
Endosulfan II	33213-65-9	< MDL	ug/L	1.00	0.01	0.004	
Endosulfan sulfate	1031-07-8	< MDL	ug/L	1.00	0.01	0.005	
Endrin	72-20-8	< MDL	ug/L	1.00	0.01	0.004	
Endrin aldehyde	7421-93-4	< MDL	ug/L	1.00	0.01	0.003	
g-BHC	58-89-9	< MDL	ug/L	1.00	0.01	0.004	
Heptachlor	76-44-8	< MDL	ug/L	1.00	0.01	0.004	
Heptachlor epoxide	1024-57-3	< MDL	ug/L	1.00	0.01	0.004	
Methoxychlor	72-43-5	< MDL	ug/L	1.00	0.01	0.003	
Mirex	2385-85-5	< MDL	ug/L	1.00	0.01	0.01	
Toxaphene	8001-35-2	< MDL	ug/L	1.00	0.1	0.1	
Tetrachloro-m-xylene(surr)	877-09-8	65.5	%	1.00			
Decachlorobiphenyl(surr)	2051-24-3	78	%	1.00			

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Alpha-chlordane	0.2	0.178	88.8	0.2	0.178	88.8	0.3	23	42-132	
Gamma-chlordane	0.2	0.173	86.5	0.2	0.173	86.5	0	21	45-133	
4,4-DDD	0.2	0.190	95	0.2	0.184	91.8	3.2	24	40.8-141	
4,4-DDE	0.2	0.244	122	0.2	0.238	119	2.7	21	30-136	
4,4-DDT	0.2	0.221	111	0.2	0.220	110	0.5	30	34.3-134	
a-BHC	0.2	0.172	86.3	0.2	0.172	86	0.3	25	37-125	
Aldrin	0.2	0.172	86	0.2	0.172	85.8	0	23	42-127	
b-BHC	0.2	0.170	85	0.2	0.173	86.5	1.8	24	38.5-132	

QUALITY CONTROL CERTIFICATE

Job ID : 24112039 **Date :** 11/26/2024

Analysis : Organochlorine Pesticides **Method :** EPA 608.3 **Reporting Units :** ug/L

QC Batch ID : Qb24112598 **Created Date :** 11/21/24 **Created By :** KMedina

Samples in This QC Batch : 24112039.01

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
d-BHC	0.2	0.209	105	0.2	0.211	106	1	20	30-139	
Dieldrin	0.2	0.180	90	0.2	0.182	91	1.1	21	40.7-133	
Endosulfan I	0.2	0.0930	46.5	0.2	0.0960	48	3.2	24	45-124	
Endosulfan II	0.2	0.138	68.8	0.2	0.138	68.8	0.4	21	20-114	
Endosulfan sulfate	0.2	0.196	98.3	0.2	0.196	97.8	0.3	20	45-131	
Endrin	0.2	0.189	94.5	0.2	0.186	93.3	1.6	24	35.1-136	
Endrin aldehyde	0.2	0.165	82.5	0.2	0.164	82	0.6	33	33.9-130	
g-BHC	0.2	0.209	105	0.2	0.211	106	1	25	39-132	
Heptachlor	0.2	0.158	79.3	0.2	0.164	82	3.4	20	34.6-134	
Heptachlor epoxide	0.2	0.186	93.3	0.2	0.184	92.3	1.3	24	39.2-132	
Methoxychlor	0.2	0.190	94.8	0.2	0.194	96.8	2.4	24	37.7-143	

NWDLS
North Water District Laboratory Services, Inc.

Job ID:24112039
11/19/2024 NWDLS AMS

SUBCONTRACT ORDER

Sending Laboratory:

North Water District Laboratory Services, Inc.
130 South Trade Center Parkway
Conroe, TX 77385
Phone: 936-321-6060
Fax: 936-321-6061

Project Manager: Aundra Noe

Subcontracted Laboratory:

A & B Labs
10100 East Freeway, Suite 100
Houston, TX 77029
Phone: (713) 453-6060
Fax: (713) 453-6091

Work Order: 24K3096

Analysis	Due	Expires	Comments

Sample ID: 24K3096-02 ***Waste Water Sampled: 11/15/2024 05:00***

OCP-608 11/29/2024 11/22/2024 05:00

01AB

Analyte(s):

2,4,5,6 Tetrachloro-m-xylene-surr	4,4'-DDD	4,4'-DDE
4,4'-DDT	Aldrin	alpha-BHC (alpha-Hexachlorocyclohexane)
beta-BHC (beta-Hexachlorocyclohexane)	Chlordane (Total)	cis-Chlordane (alpha-Chlordane)
Decachlorobiphenyl-surr	delta-BHC	Dicofol
Dieldrin	Endosulfan I	Endosulfan II
Endosulfan sulfate	Endrin	Endrin aldehyde
gamma-BHC (Lindane, gamma-Hexachlorocyclol	gamma-Chlordane	Heptachlor
Heptachlor epoxide	Methoxychlor	Mirex
Toxaphene (Chlorinated Camphene)		

PCB-608 11/29/2024 11/10/2025 05:00

Analyte(s):

2,4,5,6 Tetrachloro-m-xylene-surr	Aroclor-1016 (PCB-1016)	Aroclor-1221 (PCB-1221)
Aroclor-1232 (PCB-1232)	Aroclor-1242 (PCB-1242)	Aroclor-1248 (PCB-1248)
Aroclor-1254 (PCB-1254)	Aroclor-1260 (PCB-1260)	Decachlorobiphenyl-surr
PCBs, Total		

Containers Supplied:

Released By	Date	Received By	Date
	11/19/24 08:30		11/19/24 08:30

6.0°C
IR7
ANS

Sample Condition Checklist

A&B JobID : **24112039**	Date Received : **11/19/2024**	Time Received : **8:36AM**
Client Name : **NWDLS**		
Temperature : **6.0°C**	Sample pH : **NA**	
Thermometer ID : **IR7**	pH Paper ID : **NA**	
Perservative :	Lot# :	

	Check Points	Yes	No	N/A
1.	**Cooler Seal present and signed.**		X	
2.	**Sample(s) in a cooler.**	X		
3.	**If yes, ice in cooler.**	X		
4.	**Sample(s) received with chain-of-custody.**	X		
5.	**C-O-C signed and dated.**	X		
6.	**Sample(s) received with signed sample custody seal.**		X	
7.	**Sample containers arrived intact. (If No comment)**	X		
8.	**Matrix:** Water ☑ Soil ☐ Liquid ☐ Sludge ☐ Solid ☐ Cassette ☐ Tube ☐ Bulk ☐ Badge ☐ Food ☐ Other ☐			
9.	**Samples were received in appropriate container(s)**	X		
10.	**Sample(s) were received with Proper preservative**			X
11.	**All samples were tagged or labeled.**	X		
12.	**Sample ID labels match C-O-C ID's.**	X		
13.	**Bottle count on C-O-C matches bottles found.**	X		
14.	**Sample volume is sufficient for analyses requested.**	X		
15.	**Samples were received with in the hold time.**	X		
16.	**VOA vials completely filled.**			X
17.	**Sample accepted.**	X		
18.	**Has client been contacted about sub-out**			X

Comments : Include actions taken to resolve discrepancies/problem:

Brought by : Client

Received by : ASmith

Check in by/date : Amber / 11/19/2024

ab-s005-1123

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

Project
1125970

NWDS-G

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

Printed 12/03/2024
7:24

TABLE OF CONTENTS

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

Report Name	Description	Pages
1125970_r02_01_ProjectSamples	SPL Kilgore Project P:1125970 C:NWDS Project Sample Cross Reference t:304	1
1125970_r03_03_ProjectResults	SPL Kilgore Project P:1125970 C:NWDS Project Results t:304 PO: #26201	2
1125970_r10_05_ProjectQC	SPL Kilgore Project P:1125970 C:NWDS Project Quality Control Groups	1
1125970_r99_09_CoC__1_of_1	SPL Kilgore CoC NWDS 1125970_1_of_1	2
	Total Pages:	6

Email: Kilgore.ProjectManagement@spllabs.com

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

SAMPLE CROSS REFERENCE

Project
1125970

Printed 12/3/2024 Page 1 of 1
WW

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

Sample	Sample ID	Taken	Time	Received
2356207	*24K3096-02*	11/15/2024	05:00:00	11/19/2024

Bottle 01 Client Supplied Amber Glass
Bottle 02 Client Supplied Amber Glass
Bottle 03 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1148821) Volume: 1.00000 mL <== Derived from 02 (999 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 632	03	1148821	11/20/2024	1150163	11/27/2024

Email: Kilgore.ProjectManagement@spllabs.com

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

SPL The Science of Sure

NWDS-G

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

Project
1125970

Printed: 12/03/2024

RESULTS

Sample Results

2356207 **24K3096-02** Received: 11/19/2024

Non-Potable Water | Collected by: Client | North Water District | PO: #26201
Taken: 11/15/2024 05:00:00

EPA 632 Prepared: 1148821 11/20/2024 14:00:00 Analyzed 1150163 11/27/2024 20:36:00 BRU

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Carbaryl (Sevin)**	**<1.22**	**ug/L**	1.22		**63-25-2**	03
z	**Diuron**	**<0.045**	**ug/L**	0.045		**330-54-1**	03

Sample Preparation

2356207 **24K3096-02** Received: 11/19/2024

#26201

11/15/2024

Prepared: 11/19/2024 15:01:54 Calculated 11/19/2024 15:01:54 CAL

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

Prepared: 12/03/2024 07:21:00 Analyzed 12/03/2024 07:21:00 WJP

z	**Check Limits**	**Completed**
z	**Level IV Data Review**	**Completed**

EPA 632 Prepared: 1148821 11/20/2024 14:00:00 Analyzed 1148821 11/20/2024 14:00:00 LSM

	Liquid-Liquid Extr. W/Hex Ex	**1/999**	**ml** 02

EPA 632 Prepared: 1148821 11/20/2024 14:00:00 Analyzed 1150163 11/27/2024 20:36:00 BRU

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

SPL The Science of Sure

NWDS-G

Project 1125970

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

Printed: 12/03/2024

2356207 **24K3096-02** Received: 11/19/2024

#26201

11/15/2024

EPA 632	*Prepared:*	*1148821*	*11/20/2024*	*14:00:00*	*Analyzed*	*1150163*	*11/27/2024*	*20:36:00*	*BRU*

NELAC	**Carbaryl/Diuron**	**Entered**	03

Qualifiers:

We report results on an As Received (or Wet) basis unless marked Dry Weight.

Unless otherwise noted, testing was performed at SPL, Inc.- Kilgore laboratory which holds International, Federal, and state accreditations. Please see our Websites for details.

(N)ELAC - Covered in our NELAC scope of accreditation
z -- Not covered by our NELAC scope of accreditation

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of SPL Kilgore. Unless otherwise specified, these test results meet the requirements of NELAC.
RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.

Bill Peery

Bill Peery, MS, VP Technical Services

QUALITY CONTROL

NWDS-G

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

Project
1125970

Printed 12/03/2024

Analytical Set 1150163 EPA 632

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Carbaryl (Sevin)	1148821	ND	66.1	2500	ug/L	127079876
Diuron	1148821	412	44.4	45.0	ug/L	127079876

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Carbaryl (Sevin)	849	1000	ug/L	84.9	70.0 - 130	127079875
Carbaryl (Sevin)	830	1000	ug/L	83.0	70.0 - 130	127079879
Carbaryl (Sevin)	818	1000	ug/L	81.8	70.0 - 130	127079883
Carbaryl (Sevin)	851	1000	ug/L	85.1	70.0 - 130	127079886
Diuron	811	1000	ug/L	81.1	70.0 - 130	127079875
Diuron	809	1000	ug/L	80.9	70.0 - 130	127079879
Diuron	749	1000	ug/L	74.9	70.0 - 130	127079883
Diuron	750	1000	ug/L	75.0	70.0 - 130	127079886

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Carbaryl (Sevin)	1148821	868	1100	1000	17.1 - 131	86.8	110	ug/L	23.6	30.0
Diuron	1148821	309	342	1000	0.100 - 138	30.9	34.2	ug/L	10.1	30.0

* Out RPD is Relative Percent Difference: abs(r1-r2) / mean(r1,r2) * 100% Recover% is Recovery Percent: result / known * 100%

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); CCV - Continuing Calibration Verification (same standard used to prepare the curve; typically a mid-range concentration; verifies the continued validity of the calibration curve); LCS Dup - Laboratory Control Sample Duplicate (replicate LCS; analyzed when there is insufficient sample for duplicate or MSD; quantifies accuracy and precision.)

Email: Kilgore.ProjectManagement@spllabs.com

1125970 CoC Print Group 001 of 001

SUBCONTRACT ORDER

Sending Laboratory:

North Water District Laboratory Services, Inc.
130 South Trade Center Parkway
Conroe, TX 77385
Phone: 936-321-6060
Fax: 936-321-6061

Project Manager: Aundra Noe

Subcontracted Laboratory:

SPL
2600 Dudley Rd
Kilgore, TX 75662
Phone: (903) 984-0551
Fax:

Work Order: 24K3096

Analysis	Due	Expires	Comments 2356207
Sample ID: 24K3096-02	***Waste Water***	***Sampled: 11/15/2024 05:00***	
Sub_CBURP-632	11/29/2024	11/22/2024 05:00	
Analyte(s):			
Carbaryl	Diuron		
Containers Supplied:			

Released By	Date	Received By	Date
mA	11.18.24	UPS	11.18.24
VM	11/19/24 1145	MGlga	11/19/24 1145

ANGELA MARTINEZ
9363216060
NWDLS
130 S TRADE CENTER PKWY
CONROE TX 77385

45 LBS 1 OF 1

SHIP TO:
ANA-LAB
903-984-0551
ANA-LAB
2600 DUDLEY ROAD
KILGORE TX 75662

TX 756 0-32

UPS NEXT DAY AIR 1
TRACKING #: 1Z 12W 40V 01 9445 5876

BILLING: P/P

XOL 24.11.13 NV45 46.0A 11/2024*

11/19 1045 KR
Date Time Tech
Temp: 0.8 0.9 C
Therm#: 6443 Corr Fact: 0.1 C

Appendix L – Solids Management Plan

BLEYL ENGINEERING
PLANNING • DESIGN • MANAGEMENT

100 Nugent Street
Conroe, TX 77301
(936) 441-7833

CITY OF MAGNOLIA

WASTEWATER TREATMENT FACILITY

TCEQ PERMIT NO. WQ0014903001

ATTACHMENT L – SOLIDS MANAGEMENT PLAN

Existing Treatment Process:

Dimensions and Capacities of Aerobic Digesters

TCEQ Design Volume	20 cubic feet/lb/BOD_5/day
TCEQ Minimum Sludge Retention Time	15 days
Total Digester (Aerated Sludge Holding) Volume	10,506 cf (0.30 MGD); 9,065 cf (0.35 MGD) 31,905 cf (0.75 MGD)
Digester Dimensions	0.30 MGD unit @ 59.5' x 16.2' x 10.9' SWD 0.35 MGD unit @ 47.7' x 18.1' x 10.5' SWD 0.75 MGD unit @ 101.8' x 19.0' x 16.5' SWD
Digester sludge retention time at design flow	26 days (0.30 MGD); 19 days (0.35 MGD) 40 days (0.75 MGD)

BOD_5 Removal: Influent concentration = 200 mg/L
Effluent concentration = 10 mg/L
Net removal = 190 mg/L

Assume 1 lb of WAS = 1 lb of BOD_5 removed to develop worst case scenario for amount of solids generated.

0.30 MGD Treatment Unit

Solids generated	100% flow	75% flow	50% flow	25% flow
Flow (MGD)	0.300	0.225	0.150	0.075
Pounds BOD_5/day removed	500.4	375.3	250.2	125.1
Pounds of wet sludge produced*	25,020	18,765	12,510	6,255
Volume (cf) of wet sludge produced	401.1	300.8	200.5	100.3

0.35 MGD Treatment Unit

Solids generated	100% flow	75% flow	50% flow	25% flow
Flow (MGD)	0.350	0.2625	0.175	0.0875
Pounds BOD_5/day removed	583.8	437.9	291.9	146
Pounds of wet sludge produced*	29,190	21,895	14,595	7,300
Volume (cf) of wet sludge produced	467.9	351	234	117

0.75 MGD Treatment Unit

Solids generated	100% flow	75% flow	50% flow	25% flow
Flow (MGD)	0.750	0.5625	0.375	0.1875
Pounds BOD_5/day removed	1,251.0	938.3	625.5	312.8
Pounds of wet sludge produced*	62,550	46,915	31,275	15,640
Volume (cf) of wet sludge produced	1,002.7	752.1	501.4	250.7

*assuming 2% solids

MLSS operating range = 1,500 to 5,000 mg/L

Waste activated sludge (WAS) is pumped from the bottom of the clarifier into the aerobic digester. The solids are thickened by turning off the pump prior to wasting and allowing the solids to settle. The air supply to the digester is turned off a few times through the week to allow the solids to settle to the bottom of the aerobic digester. The sludge is then pumped into the second stage digester where it is pumped to a belt filter press for dewatering. After dewatering, the sludge is disposed of in a safe and legal manner.

0.30 MGD Treatment Unit

Removal schedule (days)	100% flow	75% flow	50% flow	25% flow
Allowable Detention Time	26	35	52	105

0.35 MGD Treatment Unit

Removal schedule (days)	100% flow	75% flow	50% flow	25% flow
Allowable Detention Time	19	26	39	77

0.75 MGD Treatment Unit

Removal schedule (days)	100% flow	75% flow	50% flow	25% flow
Allowable Detention Time	40	53	80	160

Final Phase Treatment Process:

Final Phase Treatment Units will include the Existing Treatment Units along with the below additional Unit.

0.75 MGD Treatment Unit

TCEQ Design Volume	20 cubic feet/lb/BOD_5/day
TCEQ Minimum Sludge Retention Time	15 days
Total Digester (Aerated Sludge Holding) Volume	31,905 cf (0.75 MGD)
Digester Dimensions	0.75 MGD unit @ 101.8’ x 19.0’ x 16.5’ SWD
Digester sludge retention time at design flow	40 days (0.75 MGD)

BOD_5 Removal: Influent concentration = 200 mg/L
Effluent concentration = 10 mg/L
Net removal = 190 mg/L

0.75 MGD Treatment Unit

Solids generated	100% flow	75% flow	50% flow	25% flow
Flow (MGD)	0.750	0.5625	0.375	0.1875
Pounds BOD_5/day removed	1,251.0	938.3	625.5	312.8
Pounds of wet sludge produced*	62,550	46,915	31,275	15,640
Volume (cf) of wet sludge produced	1,002.7	752.1	501.4	250.7

*assuming 2% solids

MLSS operating range = 1,500 to 5,000 mg/L

Waste activated sludge (WAS) is pumped from the bottom of the clarifier into the aerobic digester. The solids are thickened by turning off the pump prior to wasting and allowing the solids to settle. The air supply to the digester is turned off a few times through the week to allow the solids to settle to the bottom of the aerobic digester. The sludge is then pumped into the second stage digester where it is pumped to a belt filter press for dewatering. After dewatering, the sludge is disposed of in a safe and legal manner.

0.75 MGD Treatment Unit

Removal schedule (days)	100% flow	75% flow	50% flow	25% flow
Allowable Detention Time	40	53	80	160

Candice Calhoun

From: Koy Sanson <ksanson@bleylengineering.com>
Sent: Friday, January 24, 2025 4:53 PM
To: Candice Calhoun
Cc: trobertson@cityofmagnolia.com; Travis Walker
Subject: RE: Application to Renew Permit No. WQ0014903001 - City of Magnolia
Attachments: 250124 TCEQ NOD 1 Response.pdf; Municipal Discharge Renewal Spanish NORI.docx

Candice,

Please see attached for the response to TCEQ NOD 1.

Please let us know if you need anything else or if you have any questions.

Thanks,

Koy Sanson, PE
Bleyl Engineering
O: 936 441 7833
M: 936 446 8401

From: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Sent: Friday, January 10, 2025 2:09 PM
To: trobertson@cityofmagnolia.com
Cc: Koy Sanson <ksanson@bleylengineering.com>
Subject: Application to Renew Permit No. WQ0014903001 - City of Magnolia
Importance: High

Good afternoon, Mr. Robertson,

The attached Notice of Deficiency (NOD) letter dated January 10, 2025, requests additional information needed to declare the application administratively complete. Please send complete response, via email, by January 24, 2025.

Please let me know if you have any questions.

Regards,

BLEYL ENGINEERING
PLANNING • DESIGN • MANAGEMENT

100 Nugent Street
Conroe, TX 77301
(936) 441-7833

January 24, 2025

Texas Commission on Environmental Quality
Water Quality Division (MC-148)
12100 Park 35 Circle
Austin, Texas 78753
Attn: Candice Calhoun-Courville

Re: Application to Renew Permit No. WQ0014903001 (EPA I.D TX0072702)
Issued to City of Magnolia
CN600636856, RN101919769

Dear Ms. Calhoun-Courville,

The purpose of this letter is to provide the information you requested in your letter addressed to Mr. Timothy Robertson, P.E. dated January 10, 2025. The following outlines the requested items and our response.

1. USGS Topographic Map
    a. The USGS map provided is missing the highlighted discharge route for three miles downstream or until it reaches a classified segment, as well as the delineated and labeled effluent disposal site(s). Please provide a revised USGS map to include the requested information. Also, if there are any ponds, please include those on the revised map.

    Response: Please see attached for the revised USGS maps.

2. Plain Language Summary (PLS)
    a. The Plain Language Summaries provided, in English and Spanish language, are not complete. Please use the attached PSL templates to provide complete PLS'.

    Response: Please see attached for the revised PLS'.

3. Technical Report 1.0
    a. Section 1, items A and B – the flows provided do not match the current permit. The current permit authorizes 650,000 gallons per day in Interim I Phase, 1,300,000 gallons per day in Interim II Phase, and 2,000,000 gallons per day in the Final Phase. Please provide a revised Technical Report 1.0.

    Response: Please see attached for the revised Technical Report 1.0 page referenced. Please note that the expansion to the Interim II Phase (1,300,000 gallons per day) has been completed and that a Notice of Completion is being processed by the City of Magnolia at this time.

4. The following is a portion of the NORI which contains information relevant to your application. Please read it carefully and indicate if it contains any errors or omissions. The complete notice will be sent to you once the application is declared administratively complete.

    Response: Bleyl Engineering has no comments to the NORI as shown in the referenced letter.

5. The application indicates that public notices in Spanish are required. After confirming the portion of the NORI above does not contain any errors or omissions, please use the attached template to translate the NORI into Spanish. Only the first and last paragraphs are unique to this application and require translation. Please provide the translated Spanish NORI in a Microsoft Word document.

   Response: Please see the Spanish NORI (attached separately via email).

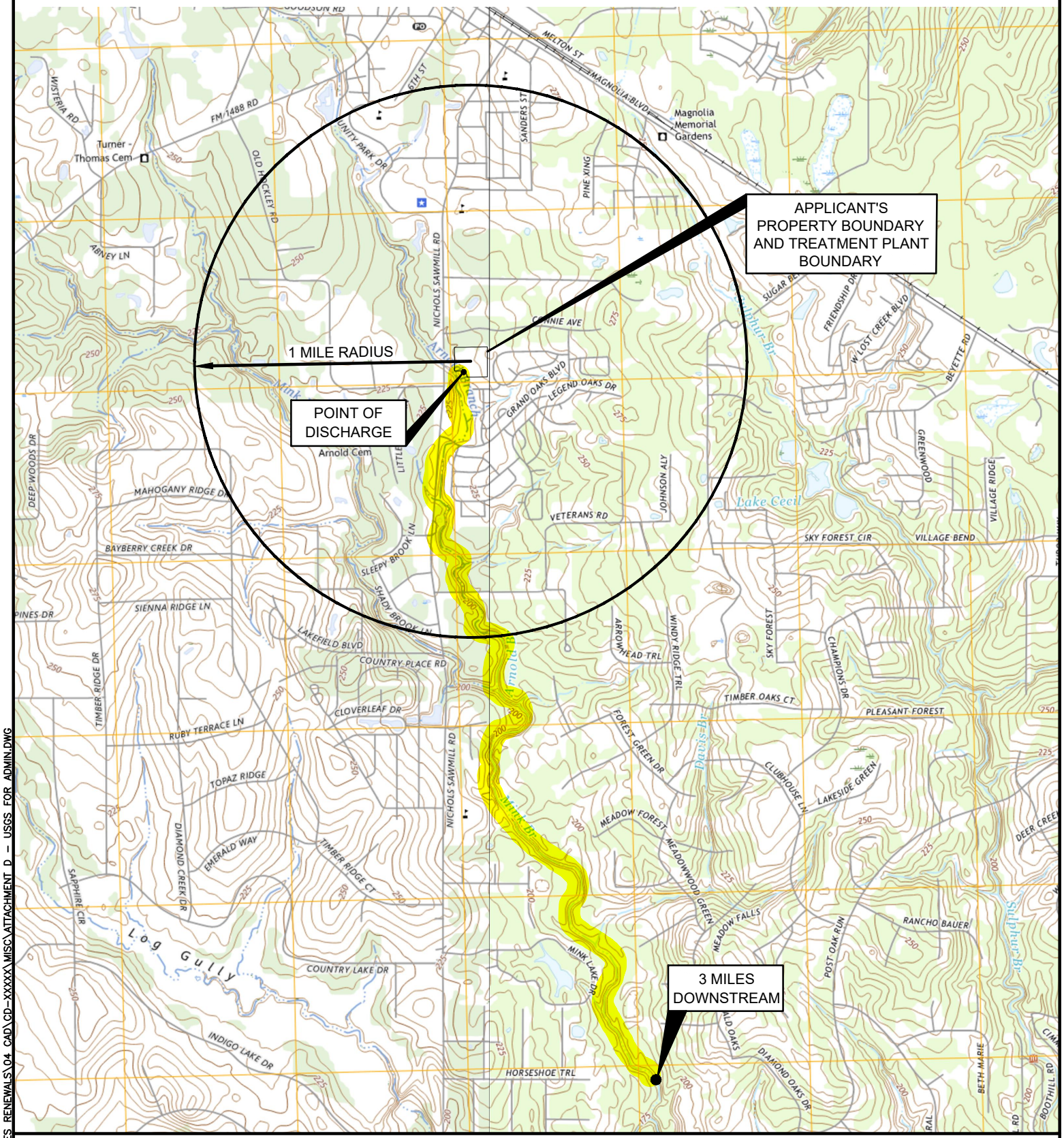
Should you have any questions or need additional information, please feel free to contact me by phone at (936) 441-7833 or by email at ksanson@bleylengineering.com.

Sincerely,

Koy Sanson, P.E.
Project Engineer

Attachments

- USGS Maps (Administrative Report and SPIF)
- Plain Language Summary (English and Spanish)
- Technical Report 1.0 (referenced page)
- Spanish NORI (via email)



ATTACHMENT D – USGS FOR ADMIN REPORT 1.0

N

0 1250 2500

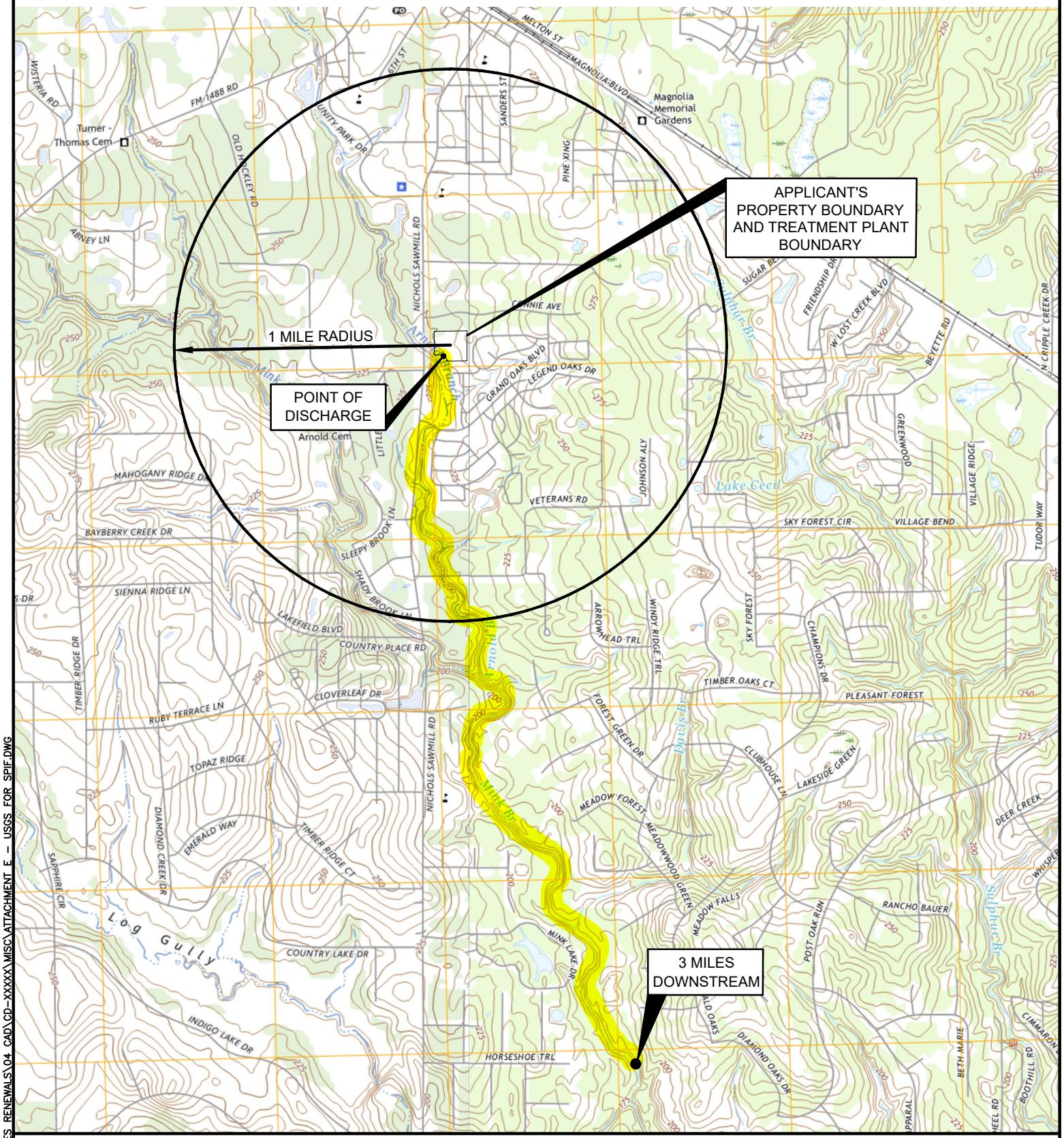
SCALE: 1" = 2500'

PROJECT NAME:	2024 CITY OF MAGNOLIA WWTP PERMIT RENEWAL
PROJECT NUMBER:	13494
PREPARED FOR:	CITY OF MAGNOLIA
DATE:	DECEMBER 2024

BLEYL ENGINEERING
TEXAS FIRM REGISTRATION NO. F-678
100 NUGENT STREET
CONROE, TEXAS 77301
PHONE 936-441-7833 FAX 936-760-3833
WWW.BLEYLENGINEERING.COM

F:\13400S\13494 CITY OF MAGNOLIA TPDES RENEWALS\04 CAD\CD-XXXXX\MISC\ATTACHMENT D – USGS FOR ADMIN.DWG

BLEYL ENGINEERING



ATTACHMENT E – USGS FOR SPIF

N

0 1250 2500

SCALE: 1" = 2500'

PROJECT NAME:	2024 CITY OF MAGNOLIA WWTP PERMIT RENEWAL
PROJECT NUMBER:	13494
PREPARED FOR:	CITY OF MAGNOLIA
DATE:	DECEMBER 2024

BLEYL ENGINEERING

TEXAS FIRM REGISTRATION NO. F-678

100 NUGENT STREET

CONROE, TEXAS 77301

PHONE 936-441-7833 FAX 936-760-3833

WWW.BLEYLENGINEERING.COM

F:\13400S\13494 CITY OF MAGNOLIA TPDES RENEWALS\04 CAD\CD-XXXXX\MISC\ATTACHMENT E – USGS FOR SPIF.DWG

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 Magnolia (CN600636856) operates City of Magnolia Wastewater Treatment Plant (RN101919769), an activated sludge process plant. The facility is located at 30910 Nichols Sawmill Road, in the City of Magnolia, Montgomery County, Texas 77355. This application is for a renewal to discharge at a daily average flow of 1,300,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain contain five-day carbonaceous biochemical oxygen demand ($CBOD_5$), total suspended solids (TSS), ammonia nitrogen (NH_3-N), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent in the permit application package. Domestic wastewater is treated by an activated sludge process plant and the treatment units include a bar screen, aeration basins, final clarifiers, sludge digesters, a belt filter press, chlorine contact chambers, and a dichlorination chamber.

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 Magnolia (CN600636856) opera La Planta de Tratamiento de Aguas Residuales de la Ciudad de Magnolia (RN101919769), un planta de tratamiento de aguas residuales. La instalación está ubicada en 30910 Nichols Sawmill Road, en la Ciudad de Magnolia, Condado de Montgomery, Texas 77355. renovación para descargar 1,300,000 galones por día de aguas residuales domésticas tratadas.

Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno carbonáceo a cinco días ($CBOD_5$), sólidos suspendidos totales (TTS), nitrógeno amoniacal (NH_3-N) y Escherichia coli. Los contaminantes potenciales adicionales están incluidos en el Informe Técnico Doméstico 1.0, Sección 7, en el paquete de solicitud del permiso. aguas residuales domésticas. está tratado por Una planta de procesamiento de lodos activados y las unidades de tratamiento incluyen una criba de barras, cuencas de aireación, clarificadores finales, digestores de lodos, un filtro prensa de banda, cámaras de contacto de cloro y una cámara de dicloración.

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.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

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

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

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

A. Existing/Interim I Phase

Design Flow (MGD): 0.65

2-Hr Peak Flow (MGD): 2.60

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

B. Interim II Phase

Design Flow (MGD): 1.30

2-Hr Peak Flow (MGD): 5.20

Estimated construction start date: Complete (Notice of Completion to be submitted)

Estimated waste disposal start date: Complete (Notice of Completion to be submitted)

C. Final Phase

Design Flow (MGD): 2.00

2-Hr Peak Flow (MGD): 8.00

Estimated construction start date: 2027

Estimated waste disposal start date: 2027

D. Current Operating Phase

Provide the startup date of the facility: Interim II Phase Complete (NOC to be submitted)

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