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

SUMMARY OF APPLICATION IN PLAIN LANGUAGE FOR TPDES OR TLAP PERMIT APPLICATIONS

Summary of Application (in plain language) Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

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.

Jackrabbit Road Public Utility District (CN601235120) operates the Jackrabbit Public Utility District Sewage Treatment Plant (RN102343597), an activated sludge process operated in the single stage nitrification mode. The facility is located at 16720 Pine Forest Lane, in Houston, Harris County, Texas 77084. This application is for a renewal to discharge at an annual average flow of 5,100,000 gallons per day of treated domestic wastewater via Outfall 001.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD5), total suspended solids (TSS), ammonia nitrogen (NH3-N), and Escherichia coli. Additional potential pollutants are included in the Domestic Technical Report 1.0 Section 7., Pollutant Analysis of Treated Effluent and Domestic Worksheet 4.0 in the permit application package. Domestic wastewater is treated by an activated sludge process plant and the treatment units include bar screens, aeration basins, final clarifiers, sludge digesters, chlorine contact chambers and a dichlorination chamber.

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

AGUAS RESIDUALES DOMESTICAS /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.

El Distrito de Servicios Públicos de Jackrabbit Road (CN601235120) opera la Planta de Tratamiento de Aguas Residuales (RN102343597) del Distrito de Servicios Públicos de Jackrabbit, un proceso de lodos activados que opera en el modo de nitrificación de una sola etapa. La instalación está ubicada en 16720 Pine Forest Lane, en Houston, condado de Harris, Texas 77084. Esta solicitud es para una renovación para descargar a un flujo promedio anual de 5,100,000 galones por día de aguas residuales domésticas tratadas a través del desagüe 001.
Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno carbonoso (CBOD5) de cinco días, sólidos suspendidos totales (TSS), nitrógeno amoniacal (NH3-N) y Escherichia coli. Los contaminantes potenciales adicionales se incluyen en el Informe Técnico Doméstico 1.0 Sección 7., Análisis de Contaminantes de Efluentes Tratados y Hoja de Trabajo Doméstico 4.0 en el paquete de solicitud de permiso. Las aguas residuales domésticas son tratadas por una planta de proceso de lodos activados y las unidades de tratamiento incluyen tamices de barras, cuencas de aireación, clarificadores finales, digestores de lodos, cámaras de contacto con 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. WQ0011290001

APPLICATION. Jackrabbit Road Public Utility District, 1300 Post Oak Boulevard, Suite 2400, Houston, Texas 77056, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0011290001 (EPA I.D. No. TX0046621) to authorize the discharge of treated wastewater at a volume not to exceed an annual average flow of 5,100,000 gallons per day. The domestic wastewater treatment facility is located at 16720 Pine Forest Lane, near the city of Houston, in Harris County, Texas 77084. The discharge route is from the plant site to a Harris County Flood Control District ditch; thence to Bear Creek; thence to South Mayde Creek; thence to Buffalo Bayou Above Tidal. TCEQ received this application on July 31, 2025. The permit application will be available for viewing and copying at Robinson-Westchase Neighborhood Library, 3223 Wilcrest Drive, Houston, in Harris 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=-95.656666,29.831666&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 Jackrabbit Road Public Utility District at the address stated above or by calling Mr. William T. Manning, Jr., P.E., Sander Engineering Corporation, at 713-784-4830 Extension 18.

Issuance Date: August 26, 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. WQ0011290001

SOLICITUD. Jackrabbit Road Public Utility District, 1300 Post Oak Boulevard, Suite 2400, Houston, Texas 77056 ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0011290001 (EPA I.D. No. TX0046621) 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 5,100,000 galones por día. La planta está ubicada 16720 Pine Forest Lane near the City of Houston en el Condado de Harris, Texas 77084. La ruta de descarga es del sitio de la planta a Harris County Flood Control District ditch; thence to Bear Creek; thence to South Mayde Creek; thence to Buffalo Bayou above Tidal. La TCEQ recibió esta solicitud el 31 de julio de, 2025. La solicitud para el permiso estará disponible para leerla y copiarla en Robinson Westchase Library, 3223 Wilcrest Drive, Houston, in Harris County, Texas antes de la fecha de publicación de este aviso en el periódico. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.656666,29.831666&level=18

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

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

COMENTARIO PUBLICO / REUNION PUBLICA. Usted puede presentar comentarios públicos o pedir una reunión pública sobre esta solicitud. El propósito de una reunión pública es dar

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

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

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

Después del cierre de todos los períodos de comentarios y de petición que aplican, el Director Ejecutivo enviará la solicitud y cualquier petición para reconsideración o para una audiencia de caso impugnado a los Comisionados de la TCEQ para su consideración durante una reunión programada de la Comisión.

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

LISTA DE CORREO. Si somete comentarios públicos, un pedido para una audiencia

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

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

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

También se puede obtener información adicional del Jackrabbot Road Public Utility District a la dirección indicada arriba o llamando a William T. Manning, Jr., P.E. al 713-784-4830 Ext 18.

Fecha de emisión: 26 de agosto de 2025

SANDER ENGINEERING CORPORATION
CONSULTING ENGINEERS - SURVEYORS
TEXAS BOARD OF PROFESSIONAL ENGINEERS FIRM NO. F-517
TEXAS BOARD OF PROFESSIONAL LAND SURVEYING FIRM NO. 10030300

2901 WILCREST, SUITE 550
HOUSTON, TEXAS 77042

DENNIS W. SANDER, P.E.
President

713-784-4830
FAX 713-784-4052

July 30, 2025

VIA FEDERAL EXPRESS

Texas Commission on Environmental Quality
Application Review and Processing Team (MC148)
Building F, Room 2101
12100 Park 35 Circle
Austin, Texas 78753

Re: Application to Renew Wastewater Discharge Permit No. WQ0011290-001
Jackrabbit Road Public Utility District 91-052-12

Gentlemen:

Enclosed for your review is one (1) original and two (2) copies of an Application to Renew a Domestic Wastewater Discharge Permit for the following:

Type of Application: **Domestic Wastewater Discharge Permit - Renewal**

Applicant: **Jackrabbit Road Public Utility District**

Permit No: **WQ0011290-001**

Name of Facility: **Jackrabbit Road PUD Wastewater Treatment Facility**

The permit application fee of $2,015.00 has been sent under separate cover with the required form to the Financial Administration Division. A copy of the application fee check is included with the application. Jackrabbit Road Public Utility District does not owe any outstanding fees to the TCEQ.

If you have any questions or need any additional information, please do not hesitate to contact me.

Yours Truly,

William T. Manning, Jr., P.E.
Vice President / Partner

Enclosures

xc: 1) Jackrabbit Road PUD c/o Schwartz, Page and Harding, LLP
1300 Post Oak Boulevard, Suite 2400
Houston, TX 77056

JACKRABBIT ROAD PUBLIC UTILITY DISTRICT
TPDES PERMIT RENEWAL APPLICATION
HARRIS COUNTY, TEXAS
WQ0011290-001

TCEQ
DOMESTIC PERMIT APPLICATION
FOR A
RENEWAL OF AN EXISTING PERMIT

PREPARED BY:

SANDER ENGINEERING CORP.
2901 WILCREST, STE 550
HOUSTON, TEXAS 77042
713-784-4830
TBPE FIRM # F-517

JULY 2025

JACKRABBIT ROAD PUBLIC UTILITY DISTRICT
TPDES PERMIT RENEWAL APPLICATION
HARRIS COUNTY, TEXAS
WQ0011290-001

DOMESTIC ADMINISTRATIVE REPORT
FOR
PERMIT APPLICATION

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: Jackrabbit Road Public Utility District

PERMIT NUMBER (If new, leave blank): WQ00 11290-001

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: 34315

Check/Money Order Amount: $2,015.00

Name Printed on Check: Sander Engineering Corporation

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: N/A - Renewal

f. **For existing permits**:

Permit Number: WQ00 11290-001

EPA I.D. (TPDES only): TX 0046621

Expiration Date: 09/01/2025

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?

Jackrabbit Road Public Utility District

(The legal name must be spelled exactly as filed with the Texas Secretary of State, County, or in the legal documents forming the entity.)

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

CN: 601235120

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: Falknor, Charles

Title: Board President Credential: Click to enter text.

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

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

N/A

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

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

CN: Click to enter text.

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

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

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

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

C. Core Data Form

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

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: Manning, Jr., William T.

Title: Engineer for District Credential: P.E.

Organization Name: Sander Engineering Corp.

Mailing Address: 2901 Wilcrest, Ste 550 City, State, Zip Code: Houston, TX 77042

Phone No.: 713-784-4830 Ext 18 E-mail Address: bmanning@sandereng.com

Check one or both: ☒ Administrative Contact ☒ Technical Contact

B. Prefix: Mr. Last Name, First Name: Miller, Erik

Title: District Engineer Credential: P.E.

Organization Name: Sander Engineering Corp.

Mailing Address: 2901 Wilcrest, Ste 550 City, State, Zip Code: Houston, TX 77042

Phone No.: 713-784-4830 Ext 14 E-mail Address: emiller@sandereng.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: Falknor, Charles

Title: Board President Credential: Click to enter text.

Organization Name: Jackrabbit Road PUD

Mailing Address: 1300 Post Oak Blvd. #2400 City, State, Zip Code: Houston, TX 77056-3044

Phone No.: 713-623-4531 E-mail Address: Click to enter text.

B. Prefix: Mr. Last Name, First Name: Horn, James

Title: Board Vice President Credential: Click to enter text.

Organization Name: Jackrabbit Road PUD

Mailing Address: 1300 Post Oak Blvd. #2400 City, State, Zip Code: Houston, TX 77056-3044

Phone No.: 713-623-4531 E-mail Address: Click to enter text.

Section 6. Billing Contact Information (Instructions Page 27)

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

Prefix: Mr, Last Name, First Name: Barker, Rick

Title: Attorney for District Credential: Click to enter text.

Organization Name: Schwartz, Page and Harding, LLP

Mailing Address: 1300 Post Oak Blvd., Suite 2400 City, State, Zip Code: Houston, TX 77056

Phone No.: 713-623-4531 E-mail Address: rbarker@sphllp.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: Thelen, Adam

Title: District Operator Credential: Click to enter text.

Organization Name: Inframark, LLC

Mailing Address: 32259 Morton Rd. City, State, Zip Code: Brookshire, TX 77423

Phone No.: 281-375-5980 E-mail Address: adam.thelen@inframark.com

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Mr. Last Name, First Name: Manning, Jr., William T.

Title: Engineer for District Credential: P.E.

Organization Name: Sander Engineering Corp.

Mailing Address: 2901 Wilcrest, Ste 550 City, State, Zip Code: Houston, TX 77042

Phone No.: 713-784-4830 Ext 18 E-mail Address: bmanning@sandereng.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: Manning, Jr., William T.

Title: Engineer for District Credential: P.E.

Organization Name: Sander Engineering Corp.

Mailing Address: 2901 Wilcrest, Ste 550 City, State, Zip Code: Houston, TX 77042

Phone No.: 713-784-4830 Ext 18 E-mail Address: bmanning@sandereng.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: Robinson Westchase Library

Location within the building: Front Desk

Physical Address of Building: 3223 Wilcrest Dr.

City: Houston County: Harris

Contact (Last Name, First Name): Librarian

Phone No.: 832-393-2011 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 F

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** 102343597

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):

Jackrabbit Road Public Utility District, Sewage Treatment Plant

C. Owner of treatment facility: Jackrabbit Road Public Utility District

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

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

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

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

Organization Name: Jackrabbit Road Public Utility District

Mailing Address: 1300 Post Oak Blvd., Suite 2400 City, State, Zip Code: Houston, TX 77056

Phone No.: 713-623-4531 E-mail Address: rbarker@sphllp.com

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 - None Last Name, First Name: Click to enter text.

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

Organization Name: Click to enter text.

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

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

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

Attachment: Click to enter text.

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

Prefix: N/A - None Last Name, First Name: Click to enter text.

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

Organization Name: Click to enter text.

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

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

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

Attachment: Click to enter text.

Section 10. TPDES Discharge Information (Instructions Page 31)

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

☒ Yes ☐ No

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

Click to enter text.

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

☒ Yes ☐ No

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

Click to enter text.

City nearest the outfall(s): Houston

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

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

☒ Yes ☐ No

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

☒ Authorization granted ☐ Authorization pending

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

Attachment: N/A - Renewal

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: Harris, Chambers, Galveston

Section 11. TLAP Disposal Information (Instructions Page 32)

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

☐ Yes ☐ No

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

N/A

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

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

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

Click to enter text.

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

Section 12. Miscellaneous Information (Instructions Page 32)

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

☐ Yes ☒ No

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

☐ Yes ☐ No ☒ Not Applicable

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

Click to enter text.

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

☐ Yes ☒ No

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

D. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

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

Account number: Click to enter text.

Amount past due: Click to enter text.

E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

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

Enforcement order number: Click to enter text.

Amount past due: Click to enter text.

Section 13. Attachments (Instructions Page 33)

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

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

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

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

☐ Attachment 1 for Individuals as co-applicants

☒ Other Attachments. Please specify: Attachment A – USGS Maps, Attachment B – Flow Diagram, Attachment C – Sewage Sludge Management and Disposal Information, Attachment D – Site Drawing, Attachment E – Core Data Form, Attachement F – Plain Language Summary, Attachment SPIF, Attachment SPIF – USGS, Laboratory Data QA/QC Chain of Custody, Copy of Application Fee Check

Section 14. Signature Page (Instructions Page 34)

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

Permit Number: WQ0011290-001

Applicant: Jackrabbit Road Public Utility District

Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I further certify that I am authorized under 30 Texas Administrative Code § 305.44 to sign and submit this document, and can provide documentation in proof of such authorization upon request.

Signatory name (typed or printed): Charles L. Falknor

Signatory title: Board President

Signature: _____ Date: 3-11-25

(Use blue ink)

Subscribed and Sworn to before me by the said Charles L. Falknor

on this 11th day of March, 20 25.

My commission expires on the 2nd day of November, 20 25.

_____

Notary Public

LOREN SAYRE
Notary Public, State of Texas
Comm. Expires 11-02-2025
Notary ID 131338701

[SEAL]

Harris

County, Texas

DOMESTIC WASTEWATER PERMIT APPLICATION

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

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

Attachment: SPIF

WATER QUALITY PERMIT

PAYMENT SUBMITTAL FORM

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

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

Mail this form and the check or money order to:

BY REGULAR U.S. MAIL

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

BY OVERNIGHT/EXPRESS MAIL

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

Fee Code: WQP **Waste Permit No:** WQ0011290-001

1. Check or Money Order Number: 34315
2. Check or Money Order Amount: $2,015.00
3. Date of Check or Money Order: 7/31/2025
4. Name on Check or Money Order: Sander Engineering Corp.
5. APPLICATION INFORMATION

   Name of Project or Site: Jackrabbit Road Public Utility District

   Physical Address of Project or Site: 16720 Pine Forest Lane, Houston TX 77084

   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

JACKRABBIT ROAD PUBLIC UTILITY DISTRICT
TPDES PERMIT RENEWAL APPLICATION
HARRIS COUNTY, TEXAS
WQ0011290-001

DOMESTIC TPDES PERMIT APPLICATION

TECHNICAL REPORT

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): 5.1

2-Hr Peak Flow (MGD): 17.568

Estimated construction start date: Existing

Estimated waste disposal start date: Existing

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): 5.1

2-Hr Peak Flow (MGD): 17.568

Estimated construction start date: Existing

Estimated waste disposal start date: Existing

D. Current Operating Phase

Provide the startup date of the facility: Final

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.**

On Site lift station pumps into head works with fine screens then into an aeration basin, mixed with return sludge, through the aeration basin into the secondary clarifiers and then to an aerated chlorine contact basin with dechlorination and then discharged. Sludge is wasted to an aerobic digester for stabilization and concentrating.

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)
Aeration Basin	18	See Attachment B
Secondary Clarifier	6	See Attachment B
Chlorine Contact Basin	4	See Attachment B
Aerobic Digester	7	See Attachment B

C. Process Flow Diagram

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

Attachment: B

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

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

- Latitude: 29d 49' 54.61" N
- Longitude: 95d 39' 20.99" 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: D

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

Jackrabbit Road Public Utility District - Residential Development

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
Jackrabbit Road PUD	Jackrabbit Rd PUD	**Publicly Owned**	8343
Harris Co MUD 136	HC MUD 136	**Publicly Owned**	1062
Harris Co UD 6	HC UD 6	**Publicly Owned**	11262
Harris Co MUD 183	HC MUD 183	**Publicly Owned**	3978
Barker Cypress MUD	Barker Cypress MUD	**Publicly Owned**	7977
Harris Co MUD 276	HC MUD 276	**Publicly Owned**	1293

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: Unknown

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.**

None

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.

N/A

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 - None

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 U978 or TXRNE Click to enter text.

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

☐ Yes ☐ No

3. *Conditional exclusion*

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

☐ Yes ☐ No

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

N/A

4. ***Existing coverage in individual permit***

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

☐ Yes ☐ No

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

N/A

5. ***Zero stormwater discharge***

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

☐ Yes ☐ No

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

N/A

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

6. ***Request for coverage in individual permit***

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

☐ Yes ☐ No

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

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

N/A

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

F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

☐ Yes ☒ No

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

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

1. *Acceptance of sludge from other WWTPs*

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

☐ Yes ☒ No

If yes, attach sewage sludge solids management plan. See Example 5 of 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). ***Water treatment facilities*** discharging filter backwash water, complete Table 1.0(3). Provide copies of the laboratory results sheets. **These tables are not applicable for a minor amendment without renewal.** See the instructions for guidance.

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

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
$CBOD_5$, mg/l	4.04		1	Comp	12/19/24 8:00
Total Suspended Solids, mg/l	16.1		1	Comp	12/19/24 8:00
Ammonia Nitrogen, mg/l	0.05		1	Comp	12/19/24 8:00
Nitrate Nitrogen, mg/l	21.2		1	Comp	12/19/24 8:00
Total Kjeldahl Nitrogen, mg/l	<1.0		1	Comp	12/19/24 8:00
Sulfate, mg/l	60.7		1	Comp	12/19/24 8:00
Chloride, mg/l	112		1	Comp	12/19/24 8:00
Total Phosphorus, mg/l	3.71		1	Comp	12/19/24 8:00
pH, standard units	7.29		1	Grab	12/19/24 8:10
Dissolved Oxygen*, mg/l	9.94		1	Grab	12/19/24 8:10
Chlorine Residual, mg/l	0.35		1	Grab	12/19/24 8:10
E.coli (CFU/100ml) freshwater	6.3		1	Grab	12/19/24 8:10
Entercocci (CFU/100ml) saltwater	5.2		1	Grab	12/19/24 8:10
Total Dissolved Solids, mg/l	472		1	Comp	12/19/24 8:00
Electrical Conductivity, µmohs/cm, †	850		1	Comp	12/19/24 8:00
Oil & Grease, mg/l	ND		1	Comp	12/19/24 8:00
Alkalinity ($CaCO_3$)*, mg/l	34.6		1	Comp	12/19/24 8:00

*TPDES permits only
†TLAP permits only

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Total Suspended Solids, mg/l	N/A	N/A	N/A	N/A	N/A
Total Dissolved Solids, mg/l	N/A	N/A	N/A	N/A	N/A
pH, standard units	N/A	N/A	N/A	N/A	N/A
Fluoride, mg/l	N/A	N/A	N/A	N/A	N/A
Aluminum, mg/l	N/A	N/A	N/A	N/A	N/A
Alkalinity ($CaCO_3$), mg/l	N/A	N/A	N/A	N/A	N/A

Section 8. Facility Operator (Instructions Page 50)

Facility Operator Name: Inframark LLC

Facility Operator's License Classification and Level: B

Facility Operator's License Number: WO0000232

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

- [x] Design flow>= 1 MGD
- [x] 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.

- [x] 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)
- [x] 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
Agricultural Land Application	Off-site Third-Party Handler or Preparer	Not Applicable	Varies	Class B: PSRP Aerobic Digestion	Option 1: Volatile solids reduced by 38%
Disposal in Landfill	Off-site Third-Party Handler or Preparer	Not Applicable	Varies	Class B: PSRP Aerobic Digestion	Option 10. Incorporate within 6 hrs
Other	Off-site Third-Party Handler or Preparer	Not Applicable	Varies	Class B: PSRP Aerobic Digestion	Option 1: Volatile solids reduced by 38%

If "Other" is selected for Management Practice, please explain (e.g. monofill or transport to another WWTP): Transport to another WWTP

D. Disposal site

Disposal site name: Varies – See Attachment C

TCEQ permit or registration number: Varies – See Attachment C

County where disposal site is located: Varies – See Attachment C

E. Transportation method

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

Name of the hauler: Varies – See Attachment C

Hauler registration number: Varies – See Attachment C

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: Click to enter text.

Section 14. Laboratory Accreditation (Instructions Page 56)

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

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

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

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

CERTIFICATION:

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

Printed Name: Charles L. Falknor

Title: Board President

Signature: _____

Date: 3-11-25

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: Harris County Flood Control District (HCFCD Ditch U102-20-00

A. Receiving water type

Identify the appropriate description of the receiving waters.

☐ Stream

☐ Freshwater Swamp or Marsh

☐ Lake or Pond

Surface area, in acres: Click to enter text.

Average depth of the entire water body, in feet: Click to enter text.

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

☒ Man-made Channel or Ditch

☐ Open Bay

☐ Tidal Stream, Bayou, or Marsh

☐ Other, specify: Click to enter text.

B. Flow characteristics

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

☒ Intermittent - dry for at least one week during most years

☐ Intermittent with Perennial Pools - enduring pools with sufficient habitat to maintain significant aquatic life uses

☐ Perennial - normally flowing

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

☐ USGS flow records

☐ Historical observation by adjacent landowners

☒ Personal observation

☐ Other, specify: Click to enter text.

C. Downstream perennial confluences

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

Bear 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.

Intermittent to Perennial, Man Made to Natural Stream

E. Normal dry weather characteristics

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

Flood Control Ditch with grass banks, Urban setting, some trash in ditch

Date and time of observation: 04/24/2025 at 14:30

Was the water body influenced by stormwater runoff during observations?

☐ Yes ☒ No

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

A. Upstream influences

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

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

B. Waterbody uses

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

- ☐ Livestock watering
- ☐ Irrigation withdrawal
- ☐ Fishing
- ☐ Domestic water supply
- ☐ Park activities
- ☐ Contact recreation
- ☐ Non-contact recreation
- ☐ Navigation
- ☐ Industrial water supply
- ☒ Other(s), specify: Flood Control Ditch

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: 12/19/2024 @ 08:00

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		1	50
Aldrin	<0.01		1	0.01
Aluminum	14.1		1	2.5
Anthracene	<10		1	10
Antimony	<5.0		1	5
Arsenic	0.642		1	0.5
Barium	51.8		1	3
Benzene	<10		1	10
Benzidine	<50.0		1	50
Benzo(a)anthracene	<5		1	5
Benzo(a)pyrene	<5		1	5
Bis(2-chloroethyl)ether	<10		1	10
Bis(2-ethylhexyl)phthalate	<10		1	10
Bromodichloromethane	12.9		1	10
Bromoform	<10		1	10
Cadmium	<1.0		1	1
Carbon Tetrachloride	<2		1	2
Carbaryl	<5		1	5
Chlordane*	<0.2		1	0.2
Chlorobenzene	<10		1	10
Chlorodibromomethane	<10		1	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Chloroform	60.6		1	10
Chlorpyrifos	<0.05		1	0.05
Chromium (Total)	<3.0		1	3
Chromium (Tri) **(*1)**	<6		1	N/A
Chromium (Hex)	3.16		1	3
Copper	4.46		1	2
Chrysene	<5		1	5
p-Chloro-m-Cresol	<10		1	10
4,6-Dinitro-o-Cresol	<50		1	50
p-Cresol	<10		1	10
Cyanide **(*2)**	<10		1	10
4,4'- DDD	<0.1		1	0.1
4,4'- DDE	<0.1		1	0.1
4,4'- DDT	<0.02		1	0.02
2,4-D	<0.7		1	0.7
Demeton (O and S)	<0.2		1	0.20
Diazinon	<0.5		1	0.5/0.1
1,2-Dibromoethane	<10		1	10
m-Dichlorobenzene	<10		1	10
o-Dichlorobenzene	<10		1	10
p-Dichlorobenzene	<10		1	10
3,3'-Dichlorobenzidine	<5.0		1	5
1,2-Dichloroethane	<10		1	10
1,1-Dichloroethylene	<10		1	10
Dichloromethane	<20		1	20
1,2-Dichloropropane	<10		1	10
1,3-Dichloropropene	<10		1	10
Dicofol	<1		1	1
Dieldrin	<0.02		1	0.02
2,4-Dimethylphenol	<10		1	10
Di-n-Butyl Phthalate	<10		1	10
Diuron	<0.09		1	0.09
Endosulfan I (alpha)	<0.01		1	0.01

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Endosulfan II (beta)	<0.02		1	0.02
Endosulfan Sulfate	<0.1		1	0.1
Endrin	<0.02		1	0.02
Ethylbenzene	<10		1	10
Fluoride	<250		1	500
Guthion	<0.1		1	0.1
Heptachlor	<0.01		1	0.01
Heptachlor Epoxide	<0.01		1	0.01
Hexachlorobenzene	<5		1	5
Hexachlorobutadiene	<10		1	10
Hexachlorocyclohexane (alpha)	<0.05		1	0.05
Hexachlorocyclohexane (beta)	<0.05		1	0.05
gamma-Hexachlorocyclohexane (Lindane)	<0.05		1	0.05
Hexachlorocyclopentadiene	<10		1	10
Hexachloroethane	<20		1	20
Hexachlorophene	<10		1	10
Lead	<0.5		1	0.5
Malathion	<0.1		1	0.1
Mercury	<0.005	0.0122	4	0.005
Methoxychlor	<2		1	2
Methyl Ethyl Ketone	<50		1	50
Mirex	<0.02		1	0.02
Nickel	2.14		1	2
Nitrate-Nitrogen	21200		1	100
Nitrobenzene	<10		1	10
N-Nitrosodiethylamine	<20		1	20
N-Nitroso-di-n-Butylamine	<20		1	20
Nonylphenol	<333		1	333
Parathion (ethyl)	<0.1		1	0.1
Pentachlorobenzene	<20		1	20
Pentachlorophenol	<5		1	5
Phenanthrene	<10		1	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Polychlorinated Biphenyls (PCB's) **(*3)**	<0.2		1	0.2
Pyridine	<20		1	20
Selenium	<5.0		1	5
Silver	<0.50		1	0.5
1,2,4,5-Tetrachlorobenzene	<20		1	20
1,1,2,2-Tetrachloroethane	<10		1	10
Tetrachloroethylene	<10		1	10
Thallium	<0.50		1	0.5
Toluene	<10		1	10
Toxaphene	<0.3		1	0.3
2,4,5-TP (Silvex)	<0.3		1	0.3
Tributyltin (see instructions for explanation)	N/A	N/A	N/A	0.01
1,1,1-Trichloroethane	<10		1	10
1,1,2-Trichloroethane	<10		1	10
Trichloroethylene	<10		1	10
2,4,5-Trichlorophenol	<50		1	50
TTHM (Total Trihalomethanes)	75.8		1	10
Vinyl Chloride	<10		1	10
Zinc	24.3		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: 12/19/2024 at 08:00

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	<5.0		1	5
Arsenic	0.642		1	0.5
Beryllium	<0.5		1	0.5
Cadmium	<1.0		1	1
Chromium (Total)	<3.0		1	3
Chromium (Hex)	3.16		1	3
Chromium (Tri) **(*1)**	<6.0		1	N/A
Copper	4.46		1	2
Lead	<0.5		1	0.5
Mercury	<0.005	0.0122	4	0.005
Nickel	2.14		1	2
Selenium	<5.0		1	5
Silver	<0.5		1	0.5
Thallium	<0.5		1	0.5
Zinc	24.3		1	5
Cyanide **(*2)**	<10		1	10
Phenols, Total	<10		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	<50		1	50
Acrylonitrile	<50		1	50
Benzene	<10		1	10
Bromoform	<10		1	10
Carbon Tetrachloride	<2		1	2
Chlorobenzene	<10		1	10
Chlorodibromomethane	<10		1	10
Chloroethane	<50		1	50
2-Chloroethylvinyl Ether	<10		1	10
Chloroform	60.6		1	10
Dichlorobromomethane [Bromodichloromethane]	12.9		1	10
1,1-Dichloroethane	<10		1	10
1,2-Dichloroethane	<10		1	10
1,1-Dichloroethylene	<10		1	10
1,2-Dichloropropane	<10		1	10
1,3-Dichloropropylene [1,3-Dichloropropene]	<10		1	10
1,2-Trans-Dichloroethylene	<10		1	10
Ethylbenzene	<10		1	10
Methyl Bromide	<50		1	50
Methyl Chloride	<50		1	50
Methylene Chloride	<20		1	20
1,1,2,2-Tetrachloroethane	<10		1	10
Tetrachloroethylene	<10		1	10
Toluene	<10		1	10
1,1,1-Trichloroethane	<10		1	10
1,1,2-Trichloroethane	<10		1	10
Trichloroethylene	<10		1	10
Vinyl Chloride	<10		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		1	10
2,4-Dichlorophenol	<10		1	10
2,4-Dimethylphenol	<10		1	10
4,6-Dinitro-o-Cresol	<50		1	50
2,4-Dinitrophenol	<50		1	50
2-Nitrophenol	<20		1	20
4-Nitrophenol	<50		1	50
P-Chloro-m-Cresol	<10		1	10
Pentalchlorophenol	<5		1	5
Phenol	<10		1	10
2,4,6-Trichlorophenol	<10		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		1	10
Acenaphthylene	<10		1	10
Anthracene	<10		1	10
Benzidine	<50		1	50
Benzo(a)Anthracene	<5		1	5
Benzo(a)Pyrene	<5		1	5
3,4-Benzofluoranthene	<10		1	10
Benzo(ghi)Perylene	<20		1	20
Benzo(k)Fluoranthene	<5		1	5
Bis(2-Chloroethoxy)Methane	<10		1	10
Bis(2-Chloroethyl)Ether	<10		1	10
Bis(2-Chloroisopropyl)Ether	<10		1	10
Bis(2-Ethylhexyl)Phthalate	<10		1	10
4-Bromophenyl Phenyl Ether	<10		1	10
Butyl benzyl Phthalate	<10		1	10
2-Chloronaphthalene	<10		1	10
4-Chlorophenyl phenyl ether	<10		1	10
Chrysene	<5		1	5
Dibenzo(a,h)Anthracene	<5		1	5
1,2-(o)Dichlorobenzene	<10		1	10
1,3-(m)Dichlorobenzene	<10		1	10
1,4-(p)Dichlorobenzene	<10		1	10
3,3-Dichlorobenzidine	<5		1	5
Diethyl Phthalate	<10		1	10
Dimethyl Phthalate	<10		1	10
Di-n-Butyl Phthalate	<10		1	10
2,4-Dinitrotoluene	<10		1	10
2,6-Dinitrotoluene	<10		1	10
Di-n-Octyl Phthalate	<10		1	10
1,2-Diphenylhydrazine (as Azo-benzene)	<20		1	20
Fluoranthene	<10		1	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Fluorene	<10		1	10
Hexachlorobenzene	<5		1	5
Hexachlorobutadiene	<10		1	10
Hexachlorocyclo-pentadiene	<10		1	10
Hexachloroethane	<20		1	20
Indeno(1,2,3-cd)pyrene	<5		1	5
Isophorone	<10		1	10
Naphthalene	<10		1	10
Nitrobenzene	<10		1	10
N-Nitrosodimethylamine	<50		1	50
N-Nitrosodi-n-Propylamine	<20		1	20
N-Nitrosodiphenylamine	<20		1	20
Phenanthrene	<10		1	10
Pyrene	<10		1	10
1,2,4-Trichlorobenzene	<10		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	<0.01		1	0.01
alpha-BHC (Hexachlorocyclohexane)	<0.05		1	0.05
beta-BHC (Hexachlorocyclohexane)	<0.05		1	0.05
gamma-BHC (Hexachlorocyclohexane)	<0.05		1	0.05
delta-BHC (Hexachlorocyclohexane)	<0.05		1	0.05
Chlordane	<0.2		1	0.2
4,4-DDT	<0.02		1	0.02
4,4-DDE	<0.1		1	0.1
4,4,-DDD	<0.1		1	0.1
Dieldrin	<0.02		1	0.02
Endosulfan I (alpha)	<0.01		1	0.01
Endosulfan II (beta)	<0.02		1	0.02
Endosulfan Sulfate	<0.1		1	0.1
Endrin	<0.02		1	0.02
Endrin Aldehyde	<0.1		1	0.1
Heptachlor	<0.01		1	0.01
Heptachlor Epoxide	<0.01		1	0.01
PCB-1242	<0.2		1	0.2
PCB-1254	<0.2		1	0.2
PCB-1221	<0.2		1	0.2
PCB-1232	<0.2		1	0.2
PCB-1248	<0.2		1	0.2
PCB-1260	<0.2		1	0.2
PCB-1016	<0.2		1	0.2
Toxaphene	<0.3		1	0.3

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

Section 3. Dioxin/Furan Compounds

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

☐ 2,4,5-trichlorophenoxy acetic acid

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

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

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

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

Common Name Erbon, CASRN 136-25-4

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

Common Name Ronnel, CASRN 299-84-3

☐ 2,4,5-trichlorophenol

Common Name TCP, CASRN 95-95-4

☐ hexachlorophene

Common Name HCP, CASRN 70-30-4

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

N/A

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

☐ Yes ☒ No

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

N/A

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

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

Grab ☐ Composite ☐

Date and time sample(s) collected: N/A

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	N/A				10
1,2,3,7,8 PeCDD	0.5					50
2,3,7,8 HxCDDs	0.1					50
1,2,3,4,6,7,8 HpCDD	0.01					50
2,3,7,8 TCDF	0.1					10
1,2,3,7,8 PeCDF	0.05					50
2,3,4,7,8 PeCDF	0.5					50
2,3,7,8 HxCDFs	0.1					50
2,3,4,7,8 HpCDFs	0.01					50
OCDD	0.0003					100
OCDF	0.0003					100
PCB 77	0.0001					0.5
PCB 81	0.0003					0.5
PCB 126	0.1					0.5
PCB 169	0.03					0.5
Total						

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 5.0: TOXICITY TESTING REQUIREMENTS

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

This worksheet is not required minor amendments without renewal.

Section 1. Required Tests (Instructions Page 88)

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

7-day Chronic: As Required

48-hour Acute: As Required

Section 2. Toxicity Reduction Evaluations (TREs)

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

☐ Yes ☒ No

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

N/A

Section 3. Summary of WET Tests

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

Table 5.0(1) Summary of WET Tests

Test Date	Test Species	NOEC Survival	NOEC Sub-lethal
	Previously Submitted		

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: None

SIC Code: Click to enter text.

Contact name: Click to enter text.

Address: Click to enter text.

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

Telephone number: Click to enter text.

Email address: Click to enter text.

B. Process information

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

N/A

C. Product and service information

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

N/A

D. Flow rate information

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

Process Wastewater:

Discharge, in gallons/day: 0

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

Non-Process Wastewater:

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

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

E. Pretreatment standards

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

☐ Yes ☐ No

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

☐ Yes ☐ No

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

Category: Subcategories: Click to enter text.

Click or tap here to enter text. Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

F. Industrial user interruptions

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

☐ Yes ☐ No

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

N/A

JACKRABBIT ROAD PUBLIC UTILITY DISTRICT
TPDES PERMIT RENEWAL APPLICATION
HARRIS COUNTY, TEXAS
WQ0011290-001

Attachment A

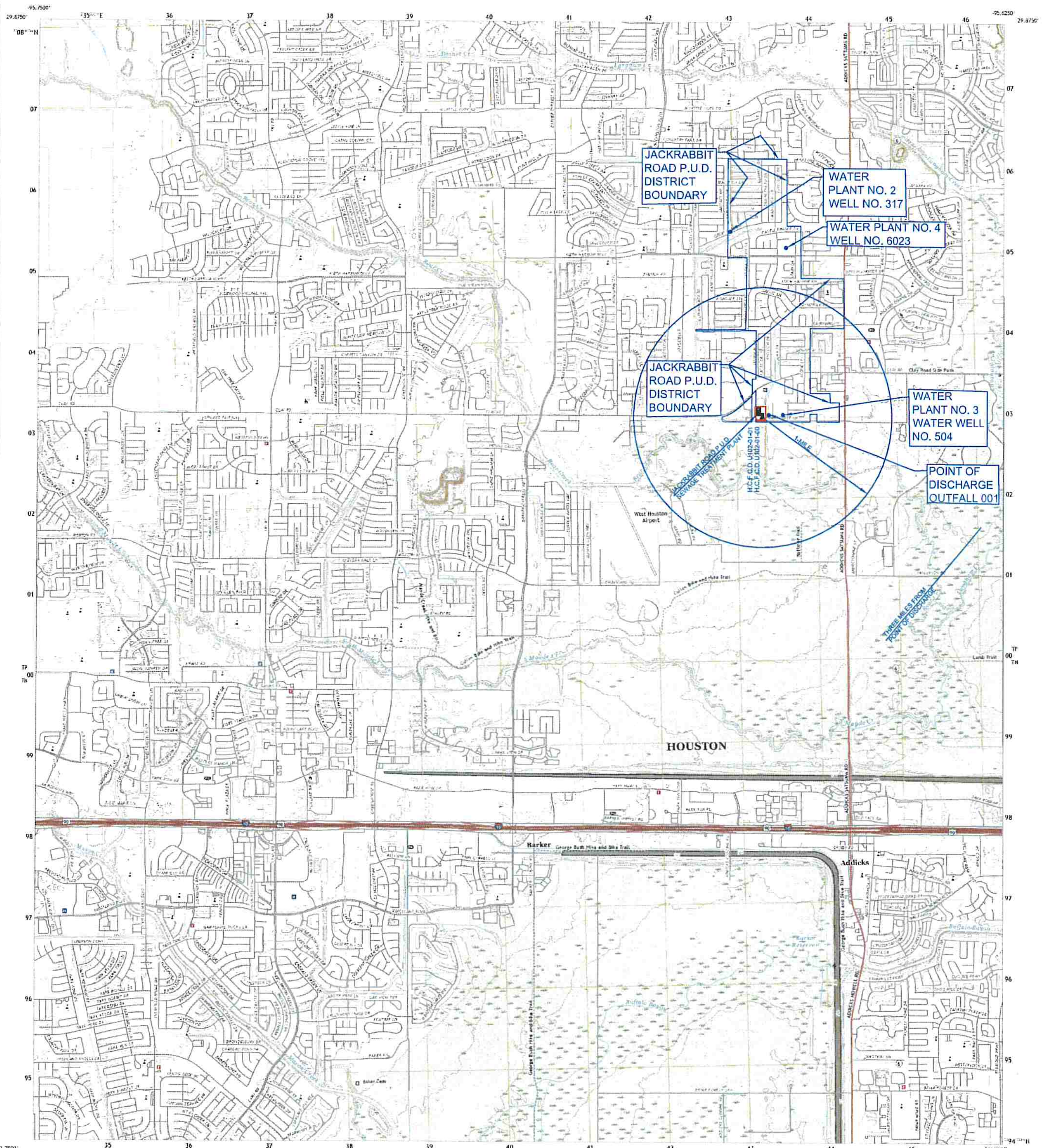
USGS Topographic Maps
Admin. Report 1.0 - Section 13, Page 10

USGS
science for a changing world

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

The National Map
US Topo

ADDICKS QUADRANGLE
TEXAS - HARRIS COUNTY
7.5-MINUTE SERIES



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

Imagery..........NAIP, September 2016 - November 2016
Roads..........U.S. Census Bureau, 2015
Names..........GNIS, 1979 - 2018
Hydrography..........National Hydrography Dataset, 2002
Contours..........National Elevation Dataset, 2010
Boundaries..........Multiple sources; see metadata file 2016 - 2017
Wetlands..........FWS National Wetlands Inventory 1992 - 1993

UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

CONTOUR INTERVAL 5 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard, 2011.
A metadata file associated with this product is draft version 0.6.18

1 Warren Lake
2 Cypress
3 Satsuma
4 Katy
5 Hedwig Village
6 Richmond NE
7 Clodine
8 Alief

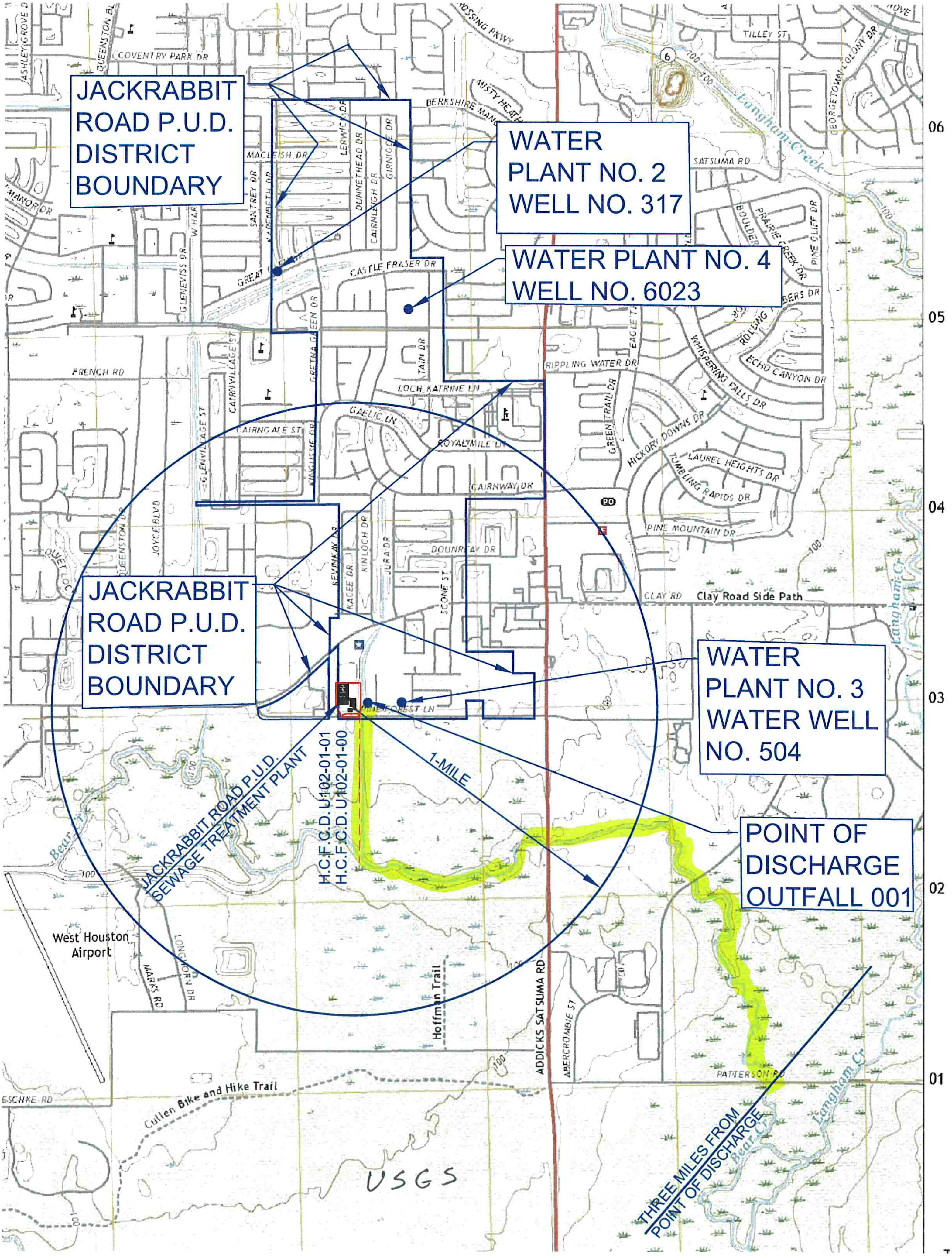
ADJOINING QUADRANGLES

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

JACKRABBIT ROAD P.U.D.
PERMIT #WQ0011290-001
RENEWAL
ATTACHMENT USCG 1

ADDICKS, TX
2019

NSN
NGA REF NO. USGSX24K1771

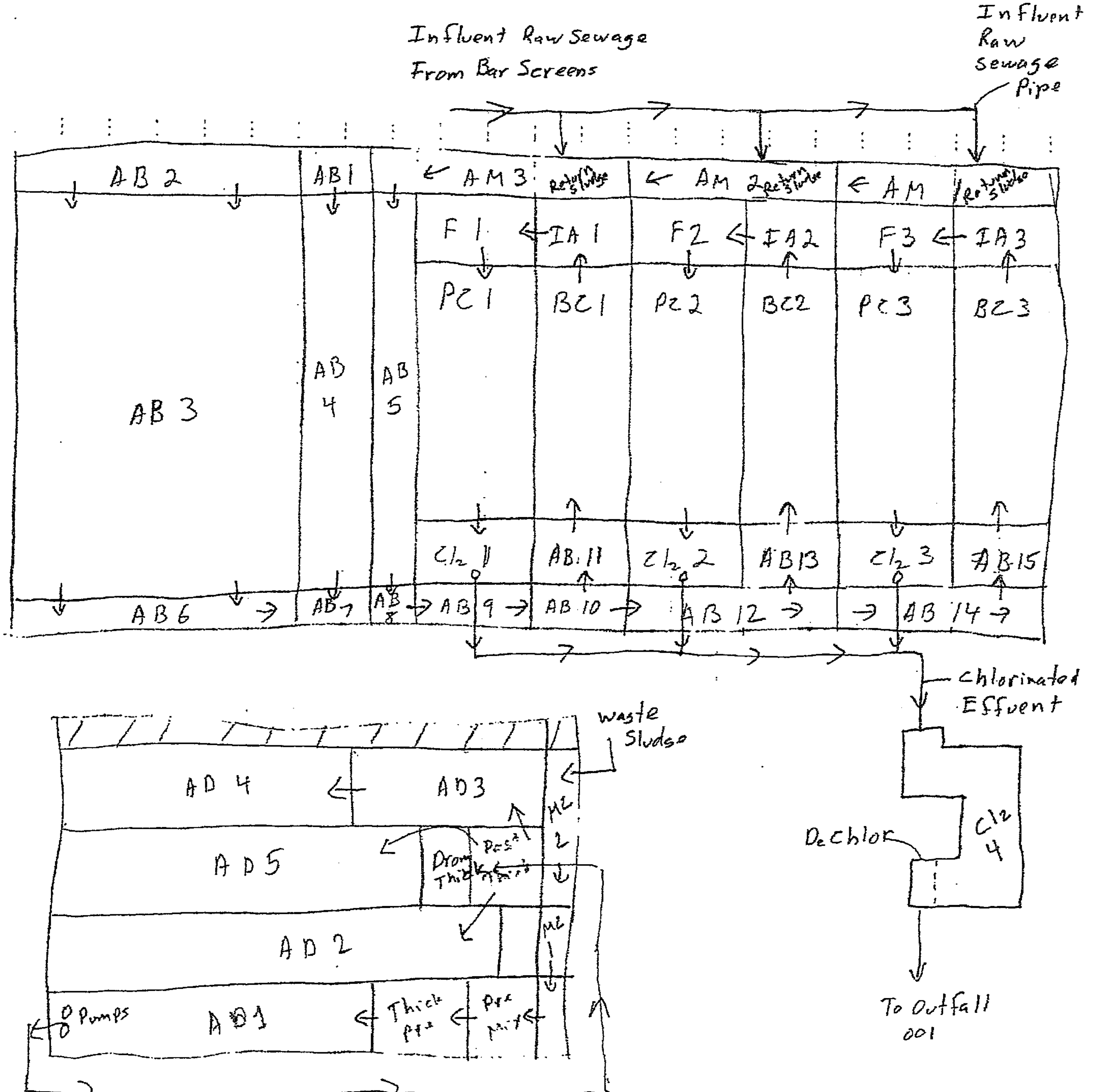

JACKRABBIT ROAD P.U.D. DISTRICT BOUNDARY
WATER PLANT NO. 2 WELL NO. 317
WATER PLANT NO. 4 WELL NO. 6023
JACKRABBIT ROAD P.U.D. DISTRICT BOUNDARY
WATER PLANT NO. 3 WATER WELL NO. 504
POINT OF DISCHARGE OUTFALL 001
1-MILE
JACKRABBIT ROAD P.U.D. SEWAGE TREATMENT PLANT
H.C.F.C.D. U102-01-01
H.C.F.C.D. U102-01-00
THREE MILES FROM POINT OF DISCHARGE
West Houston Airport
Cullen Bike and Hike Trail
Hoffman Trail
ADDICKS SATSUMA RD
Clay Road Side Path
Langham Creek
Bear Cr
USGS
06
05
04
03
02
01

JACKRABBIT ROAD PUBLIC UTILITY DISTRICT
TPDES PERMIT RENEWAL APPLICATION
HARRIS COUNTY, TEXAS
WQ0011290-001

Attachment B

Treatment Units
Tech. Report 1.0 - Section 2-B, Page 2

Flow Diagram
Tech. Report 1.0 - Section 2-C, Page 2



AM - Aerated Mix
AB. - Aeration Basin
BC - Biobgical Clarifior
PC - Polishing Clarifier
IA - Intermediate Aeration
F - Floculation
Cl_2 - Chbrine Contact Basin
MC - Mixing Channel
AD - Aerobic Digestor

PROJECT: Jack Rabbit Road H.L.C. JOB NO. SHT. NO. 1 OF 5

COMP. BY. WTM DATE

SUBJECT WWTP Design Calculations CKD. BY DATE

Permit Renewal

Attachment B

Units and Sizing - Plant in final Permit Phase

Aeration Basin

AM 1	8' x 67.33' x 14.5'	=	7811	cuft
AM 2	8' x 67.33' x 14.5'	=	7811	cuft
AM 3	8' x 83.67 x 14.5'	=	9705	cuft
AB 1	8' x 15' x 14.5'	=	1740	cuft
AB 2	8' x 55' x 14.5'	=	6380	cuft
AB 3	152.67' x 55' x 14.5'	=	121752	cuft
AB 4	152.67' x 15' x 14.5'	=	33205	cuft
AB 5	152.67' x 15' x 14.5'	=	33205	cuft
AB 6	8' x 55' x 14.5'	=	6380	cuft
AB 7	8' x 15' x 14.5'	=	1740	cuft
AB 8	8' x 15' x 14.5'	=	1740	cuft
AB 9	8' x 36' x 14.5'	=	4176	cuft
AB 10	8' x 30' x 14.5'	=	3480	cuft
AB 11	16' x 30' x 14.5'	=	6960	cuft
AB 12	8' x 67.33' x 14.5'	=	7811	cuft
AB 13	16' x 30' x 14.5'	=	6960	cuft
AB 14	8' x 67.33' x 14.5'	=	7811	cuft
AB 15	16' x 30' x 14.5'	=	6960	cuft
	Total		275627	cuft

PROJECT: Jackrabbit Road P.U.D. JOB NO. SHT. NO. 2 OF 5

COMP. BY. WTMff DATE

SUBJECT WWTP Design Calculations CKD. BY. DATE

Permit Renewal

Attachment B

Units and Sizing - Plant in Final Permit Phase

Clarifiers:

			Surface Area	Volume
Biological				
BC 1	-	30' x 120' x 14.5'	3600 ft^2	52200 ft^3
BC 2	-	30' x 120' x 14.5'	3600 ft^2	52200 ft^3
BC 3	-	30' x 120' x 14.5'	3600 ft^2	52200 ft^3
		Total	10800 ft^2	156600 ft^3
Polishing				
PC 1	-	36' x 120' x 13.58'	4320 ft^2	58680 ft^3
PC 2	-	36' x 120' x 13.58'	4320 ft^2	58680 ft^3
PC 3	-	36' x 120' x 13.58'	4320 ft^2	58680 ft^3
		Total	12960 ft^2	176040 ft^3

4r

Chlorine Contact

1 - 16' x 36' x 12.7'	=	7315 ft^3
2 - 16' x 36' x 12.7'	=	7315 ft^3
3 - 16' x 36' x 12.7'	=	7315 ft^3
4a - 16.33' x 8' x 5.12	=	669 ft^3
4b - 4.75' x 10' x 5.12	=	243 ft^3
4c - 3.9' x 15' x 15.26	=	8927 ft^3
4d - 3.5' x 10' x 9.26	=	324 ft^3
Piping	=	646 ft^3
Total		32754 ft^3

PROJECT Jackrabbit Road P.U.D. JOB NO. SHT. NO. 3 OF 5

COMP. BY. WTMJ DATE

SUBJECT WWTP Design Calculations CKD. BY. DATE

Permit Renewal

Attachment B

Units and Sizing - Plant in Final Permit Phase

Aerobic Digesters

AD 1	-	65.67' x 24' x 14.5'	=	22852 ft^3
AD 2	-	104.33' x 16' x 14.5'	=	24205 ft^3
AD 3	-	36' x 14' x 14.5'	=	7308 ft^3
AD 4	-	67' x 14' x 14.5'	=	13601 ft^3
AD 5	-	87.21' x 14' x 14.5'	=	17704 ft^3
MC 1	-	46.67' x 4' x 14.5'	=	2707 ft^3
MC 2	-	24' x 4' x 14.5'	=	1392 ft^3
			Total	89769 ft^3

PROJECT: Jackrabbit Road P.U.D. JOB NO. SHT. NO. 4 OF 5

COMP. BY. WTMK DATE

SUBJECT WWTP Design Calculations CKD. BY. DATE

Permit Renewal

Attachment B

Unit Rating – Design Criteria

Aeration Basin –

Use Criteria of 35 $\frac{lbs\ BOD_5}{1000\ cuft}$ (Nitrification)

5.1 MGD Avg Flow 200 mg/L BOD_5

$5.1\ MGD \times 8.34\ \frac{lb}{gal} \times 200\ \frac{mg}{L}\ BOD_5 = 8507\ lbs\ BOD_5/d$

$\frac{8507\ lb/d}{35\ lb/1000} = 243,057$ cuft Aeration Volume

$243,057 < 275627$ ok

Clarifier –

Criteria = 1.5 hr detention time at 2 hr peak.

2 hr peak = 12,200 gpm

$90\ min \times 12,200\ gpm = 1098000\ gal$

$= 146792$ cuft

$146792 < 176640$ ok

Chlorine Contact –

Criteria. = 20 min detention @ 2 hr peak.

2 hr Peak = 12,200 gpm

$20\ min \times 12200\ gpm = 244000\ gal$

$= 32621$ cuft

$32621 < 33754$

PROJECT: Jackrabbit Road P.U.D. JOB NO. SHT. NO. 5 OF 5

COMP. BY. MTM DATE

SUBJECT WWTP Design Calculations CKD. BY. DATE

Permit Renewal

Attachment B

Unit Rating - Design Criteria

Aerobic Digester -

Criteria: 20 cuft / lb BOD_5, 15 days detention Time

5.1 MGD Avg Flow 200 mg/L BOD_5

$5.1\ MGD \times 8.34\ lb/d \times 200\ mg/L = 8507\ lb/d\ BOD_5$

$\frac{20\ cuft}{lb} \times 8507\ lb = 170140\ cuft$

$170140 \geq 89769$ ← Does not meet 20 cuft/lb BOD

Flow Rating Based on Digester size

$\frac{89769\ ft^3}{20\ ft^3/lb} = 4488.45\ lb\ BOD_5/d$

Operational Problem $\Rightarrow$ 2.69 MGD

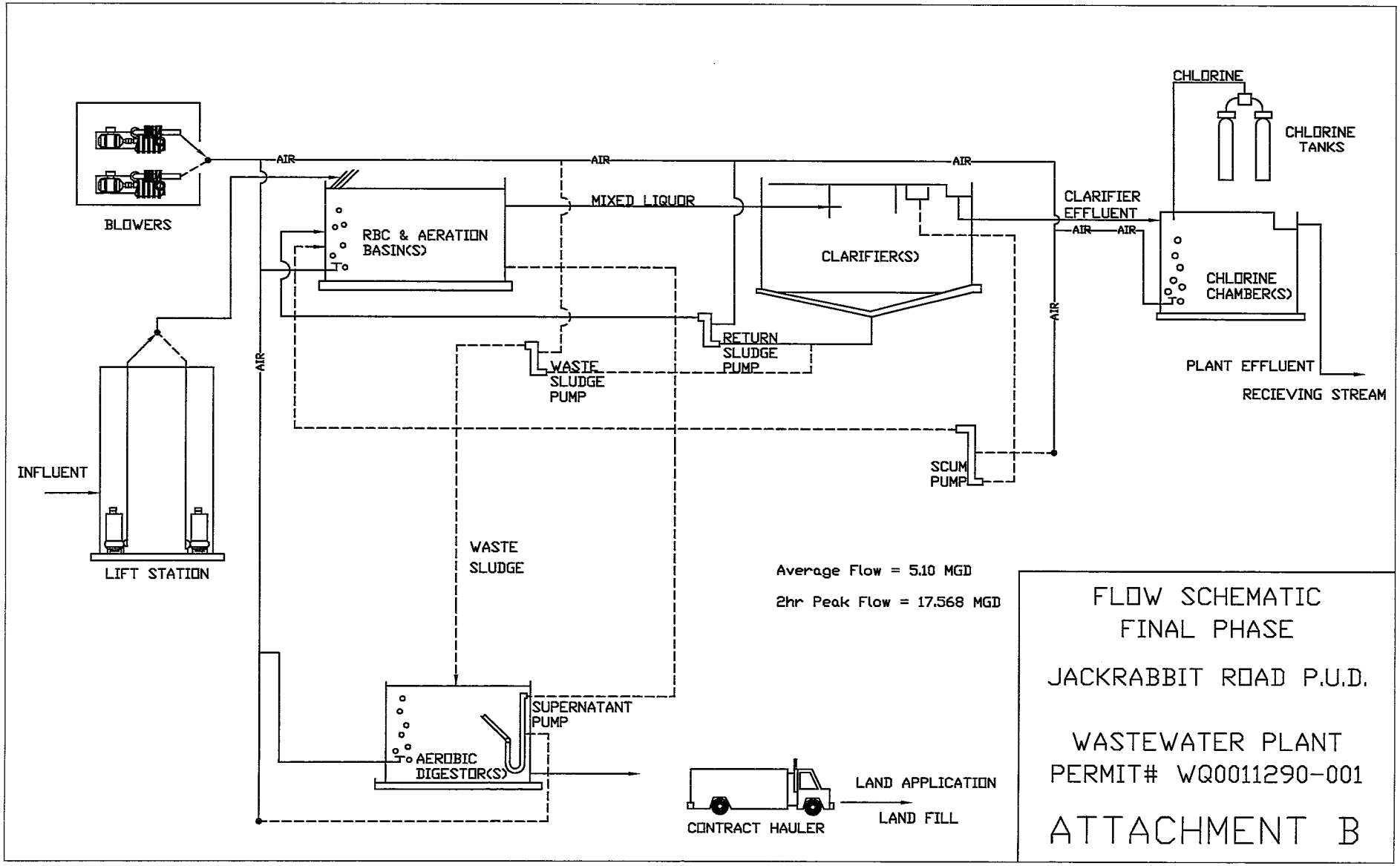
Assume: Sludge Production = 1200 lb/MG
Digester Concentration = 20,000 mg/L

Avg Flow = 5.1 MGD

Total Solids = 15 days × 5.1 MGD × 1200 lb/MG = 91,800 lbs

$cuft\ Volume = \frac{91,800\ lbs \times 1,000,000\ gal/MG}{7.48\ gal/cuft \times 8.34\ lb/gal \times 20,000\ mg/L} = 73,578\ ft^3$

$73578 \leq 89769$ ok



FLOW SCHEMATIC
FINAL PHASE

JACKRABBIT ROAD P.U.D.

WASTEWATER PLANT
PERMIT# WQ0011290-001

ATTACHMENT B

JACKRABBIT ROAD PUBLIC UTILITY DISTRICT
TPDES PERMIT RENEWAL APPLICATION
HARRIS COUNTY, TEXAS
WQ0011290-001

Attachment C

Sewage Sludge Management and Disposal Information
Tech. Report 1.0 - Section 9- C, Page 11
Tech. Report 1.0 - Section 9- D, Page 12
Tech. Report 1.0 - Section 9- E, Page 12

RICHEY ROAD MUNICIPAL UTILITY DISTRICT

1001 McKinney, Suite 1000
Houston, TX 77002-6424
(713) 237-1221

October 31, 2016

Texas Commission on Environmental Quality
Permits Division
P.O. Box 13087
Austin, TX 78711-3087

RE: Jackrabbit WWTP
Permit Application

To Whom It May Concern:

This letter serves as notice to the Texas Commission on Environmental Quality ("TCEQ") that Richey Road Municipal Utility District, TCEQ Permit No. TPDES 0012378-002 (the "District") acknowledges the receipt of sludge generated from Inverness Forest WWTP.

The District and Sprint Waste Services, LP have entered into an agreement. This agreement allows Sprint Waste Services, LP to bring sludge from municipal wastewater treatment plants to the District's wastewater treatment facility for dewatering (TCEQ Processing Permit No. WQ0004810-000). The District reserves the right to terminate this agreement with Sprint Waste Services, LP, which permits the processing of sludge at the District's facility, to reject sludge from a Generator that does not comply with the agreement, and to refuse to accept sludge from any generator because of quality, quantity or other reasons.

Sincerely,

Dennis Cain
President
Richey Road M.U.D. Board of Directors

Charles Lyle
Municipal Sales

cc: Alan Petrov, Johnson, Radcliffe, Petrov & Bobbitt

Sprint Waste Services

P.O. Box 940820 • Houston, Texas 77094 • Telephone (281) 491-7775

October 31, 2016

Bill Manning

Dear Bill:

The attached information is to be used for the referenced WWTP permit application. Sludge from Jackrabbit WWTP (WQ0011290-001) may be transported to the Richey Road MUD WWTP where it will be dewatered and disposed in a TCEQ approved landfill. A letter from Richey Road MUD confirming our agreement with the District is enclosed.

As an alternative to transporting biosolids to Richey Road MUD, we also transport biosolids directly to one of our land application farms. The permit should allow for either method of sludge disposal. TCEQ Permit #4462, located in Waller County, 96 Deg 5", and 30 Deg 4", with 1,350 usable acres.

Please note that Sprint Waste TCEQ Transporter Number is 23833. Feel free to contact me at (713) 316-5050 if you have any questions.

Sincerely,

Zach Divin
Environmental

Enclosures

Texas Commission on Environmental Quality

SLUDGE TRANSPORTER REGISTRATION

Registration Number: 22430 **CN603111196** **RN104527353**

Print Date: July 03, 2014

For the Commission

Company: K-3 RESOURCES INC

Regulated Entity: BIOSOLIDS MANAGEMENT

Organization Type: PARTNERSHIP

County: BRAZORIA

Transport Waste into Texas: NO

Registered Since: June 25, 2002

Expiration Date: August 31, 2016

Status: ACTIVE

TCEQ Region: 12

Transport Waste out of Texas: NO

Physical Address:
850 COUNTY ROAD 149
ALVIN, TX 77511-1316

Mailing Address:
PO BOX 2236
ALVIN, TX 77512-2236

Contact Information

Contact: CHARLES PEHL

Phone: 281-388-1111

Fax: 281-585-4262

E-Mail: charlie@k3bml.com

Sticker Numbers Issued and Listed below will expire on August 31, 2016:

4834	4835	4836	4837	4838	4839	4840	4841	4842
4843	4844	4845	4846	4847	4848	4849	4850	4851
4852	4853	4854	4855	4856	4857	4858	4859	4860
4861	4862	4863	4864	4865	4866	4867	4868	4869
4870	4871	4872	4873	4874				

This is your registration which reflects the information submitted on your application to the Register or Renew as a Transporter of Municipal Sludge(s) and Similar Wastes. Requirements for transportation are provided in accordance with 30 TAC Chapter 312. Issuance of this registration is not acknowledgement by the TCEQ that your operation is in full compliance with the rules and regulations of the TCEQ. Changes or additions referred to this notice require written notification to the TCEQ. Please keep a copy of this registration in every vehicle transporting sludge and all locations where business is being transacted under this registration.

K-3 Resources, Inc.
dba BMI
Transporter # 22430

CN:601505977

TCEQ Permits

Processing Permits

TCEQ Permit	Name of Land Owner	Site Location	Acres	County	Status	Renewal Date	Latitude/ Longitude
WQ000389300	Carl Miller	0.9 miles SW of Int. FM 362 and FM 529, Waller County, Texas	1	Waller	Active	10/29/2014 Pending	N29° 55' 02" W95° 59' 07"
WQ000436400	Kyle Dincans	Intersection of Roberts Road and FM 2920, NW Harris County, TX	1	Harris	Active	3/22/2018	N30° 04' 09" W95° 48' 56"
WQ000453800	Ercums Trust	Interior of TCEQ 04518, south of the intersection of SH 529 and SH 362, Waller County, TX	1	Waller	Active	6/19/2018	N29° 54' 30" W95° 57' 12"

Land Application Permits:

K-3 Resources, LP

WQ000445400	Larry Jeffries	Intersection of SH 529 and SH 359, Waller County, 2 miles south of Monaville, TX	357	Waller	Active	1/10/2017	N29° 55' 03" W96° 01' 23"
WQ000445600	Kyle Dincans	Interior of TCEQ 04456, at intersection of Roberts Road and FM 2920, NW Harris County, TX	317	Harris	Active	7/25/2017	N30° 04' 09" W95° 48' 56"
WQ000451800	Ercums Trust	Intersection of SH 529 and SH 362, Waller County, TX	270.5	Waller	Active	10/18/2016	N29° 54' 30" W95° 57' 12"

Carl Miller Farms

WQ000444500	Carl Miller	SH 529, Waller County, TX	180.6	Waller	Active	5/16/2019	N29° 55' 02" W95° 58' 06"
WQ000444600	Carl Miller	West side of SH 362, Waller County, TX	61.38	Waller	Active	5/30/2019	N29° 54' 13" W95° 57' 28"
WQ000444700	Carl Miller	West side of SH 362, Waller County, TX	89.78	Waller	Active	5/30/2019	N29° 54' 05" W95° 57' 28"
WQ000444800	Carl Miller	West side of Adams Flat Road, Waller County, TX	73.83	Waller	Active	5/30/2019	N29° 54' 30" W95° 59' 07"
WQ000444900	Carl Miller	West side of SH 362, Waller County, TX	40.45	Waller	Active	4/11/2019	N29° 53' 57" W95° 57' 28"
WQ000445000	Carl Miller	Northside of SH 529, Waller County, TX	165.7	Waller	Active	6/19/2019	N29° 55' 02" W95° 59' 07"

Total Application Acres: **1556**

Compliance Director

K-3 Resources, Inc.
dba BMI
Transporter # 22430

CN:601505977

TCEQ
Permits

Permit	RN
04445	102913431
04446	102913472
04447	102643384
04448	102911864
04449	103197521
04450	102911898
04364	102994597
04538	103113494
04454	102994506
04456	102994571
04518	102984986

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

July 15, 2013

JERRY MCCURTAIN
MAGNA-FLOW INTERNATIONAL INC
14915 HIGHWAY 59 N
HUMBLE, TX 77396-3210

Re: Renewal of Sludge Transportation Registration
MAGNA FLOW ENVIRONMENTAL
Registration Number: 21484 CN600310221 RN100600501

Dear Mr. Mccurtain:

The Section Manager of the Registration and Reporting Section has issued the enclosed registration in accordance with Title 30 of the Texas Administrative Code (30 TAC) Chapter 312 Subsection (§) 312.147 (b). This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality.

Issuance of this authorization is not an acknowledgment that your operation is in full compliance with state and federal rules and regulations. Failure to comply with all rules and regulations may result in enforcement action and/or the revocation of your registration.

Your registration number is required to appear on all tanks and containers used for the collection and transportation of sewage sludge and similar waste. It should also be used on all correspondence regarding your sludge registration.

A copy of your sludge transporter registration, a copy of your application for registration and copies of all amendments to this registration must be available at all times and at all locations where business is being transacted under this registration, including all motorized vehicles operated under this registration.

If you have any questions or comments, please contact the Sludge Transporter Registration Program at (512) 239-3695.

Sincerely,

Don Kennedy, Section Manager
Registration and Reporting Section
Permitting and Registration Support Division

DK/bb
Enclosures
CC: TCEQ Region 12, HOUSTON

Texas Commission on Environmental Quality

SLUDGE TRANSPORTER REGISTRATION

Registration Number: 21484 **CN600310221** **RN100600501**

Print Date: July 15, 2013

For the Commission

Company: MAGNA-FLOW INTERNATIONAL INC

Regulated Entity: MAGNA FLOW ENVIRONMENTAL

Organization Type: CORPORATION

County: HARRIS

Transport Waste into Texas: NO

Registered Since: June 15, 1994

Expiration Date: August 31, 2015

Status: ACTIVE

TCEQ Region: 12

Transport Waste out of Texas: NO

Physical Address:
14915 HIGHWAY 59 N
HUMBLE, TX 77396-3210

Mailing Address:
14915 HIGHWAY 59 N
HUMBLE, TX 77396-3210

Contact Information

Contact: JERRY MCCURTAIN

Phone: 281-448-8585

Fax: 281-397-7195

E-Mail: jerry.mccurtain@magna-flow.com

Sticker Numbers Issued and Listed below will expire on August 31, 2015:

2919	2920	2921	2922	2923	2924	2925	2926	2927
2928	2929	2930	2931	2932	2933	2934	2935	2936
2937	2938	2939	2940	2941	2942	2943	2944	2945
2946	2947							

This is your registration which reflects the information submitted on your application to the Register or Renew as a Transporter of Municipal Sludge(s) and Similar Wastes. Requirements for transportation are provided in accordance with 30 TAC Chapter 312. Issuance of this registration is not acknowledgement by the TCEQ that your operation is in full compliance with the rules and regulations of the TCEQ. Changes or additions referred to this notice require written notification to the TCEQ. Please keep a copy of this registration in every vehicle transporting sludge and all locations where business is being transacted under this registration.

Texas Commission on Environmental Quality

SLUDGE TRANSPORTER

Registration Number: 21484

Print Date: July 15, 2013

For the Commission

Disposal Facility Information

Facility ID	Waste Type	Facility Name	Program
1307C	WT; WW	ATASCOCITA RECYCLING AND DISPOSAL FACILITY	MSWDISP
1447A	WT	BFI SUNSET FARMS LANDFILL	MSWDISP
1505A	WW	BLUE RIDGE LANDFILL	MSWDISP
1721A	WW	COASTAL PLAINS RECYCLING AND DISPOSAL FACILITY	MSWDISP
1752B	WW	SECURITY LANDFILL RDF	MSWDISP
2270	WW	FORT BEND REGIONAL LANDFILL	MSWDISP
249D	WW	WASTE MANAGEMENT OF TEXAS AUSTIN COMMUNITY RECYCLIN	MSWDISP
261B	WW	MCCARTY ROAD LANDFILL TX	MSWDISP
42016	WW	TEXAS ORGANIC RECOVERY	SLUDGETR
42037	WW	NEW EARTH	MSWPROC
730026	WT	HUDSON SITE 1	SLUDGE
730037	WT	HUDSON SITE 2	SLUDGE
730053	WT	JOHN MESSER 730053	SLUDGE
730068	WT	WOOD BFU SITE	SLUDGE
730083	WT	DAVIS BFU NO 1	SLUDGE
730084	WT	DUNLAP RD WISIAN BFU SITE	SLUDGE
WQ0010137033	WW	DOS RIOS WATER RECYCLING CENTER	WWPERMIT
WQ0010210002	WW	LOCKHART WWTP 2	WWPERMIT
WQ0010388001	WW	BRENHAM WWTP	WWPERMIT
WQ0010495146	WW	KINGWOOD CENTRAL WWTP	WWPERMIT
WQ0010543011	WW	WALNUT CREEK WWTP	WWPERMIT
WQ0010582002	WW	LULING NORTH WWTP	WWPERMIT
WQ0010607002	WW	ROSENBERG WWTP 2	WWPERMIT
WQ0010793002	WW	CITY OF BURNET WWTP	WWPERMIT
WQ0011154001	WW	MOUNT HOUSTON ROAD MUD WWTP	WWPERMIT
WQ0011473001	WW	BLUE BELL MANOR WWTP	WWPERMIT
WQ0011571001	WW	BLACKHAWK REGIONAL WWTP	WWPERMIT
WQ0012003001	WW	FORT BEND COUNTY MUD 25 WWTP	WWPERMIT
WQ0013294001	WW	TRAVIS COUNTY WCID 17 WWTP	WWPERMIT
WQ0014126001	WT	LAKE DUNLAP	WWPERMIT

Waste Types

DS - Septic Tank Waste
GS - Grease Trap Waste
GT - Grit Trap Waste
PP - Chemical Toilet Waste
WT - Water Supply Treatment Plant Sludge
WW - Waste Water Treatment Plant Sludge

MAGNA FLOW

Texas Commission on Environmental Quality

SLUDGE TRANSPORTER

Registration Number: 21484

Print Date: July 15, 2013

For the Commission

Vehicle Information

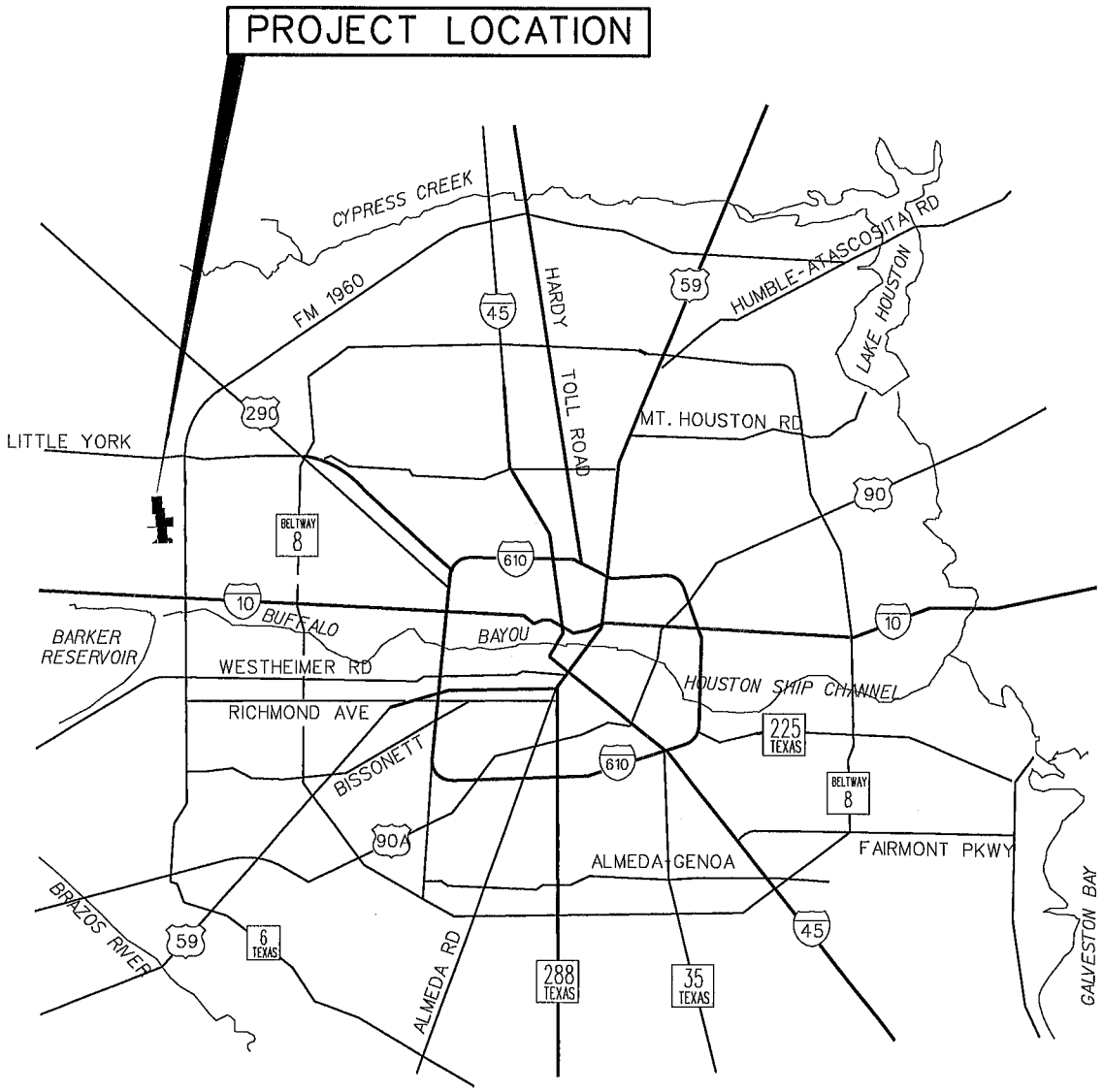
License Plate	Year	Vehicle Make	Sticker Issued	Vehicle Capacity
1C94435	2008	FREIGHTLIN	02/12/2013	7000 GAL
91CVK7	1998	FORD	07/08/2011	15 CY
BS5955	2004	INTERNATIO	02/12/2013	30 CY
BS59634	2004	INTERNATIO	02/12/2013	30 CY
68DDW6	2007	INTERNATIO	07/08/2011	15 CY
1A94031	2009	FREIGHTLN	02/12/2013	7000 GAL
1A94033	2009	FREIGHTLN	02/12/2013	7000 GAL
1A94030	2009	FREIGHTLN	02/12/2013	7000 GAL
1A94032	2009	FREIGHTLN	02/12/2013	30 CY
1C92079	2006	FREIGHTLINER	02/12/2013	7000 GAL
1C45654	2002	STERLING	02/12/2013	15 CY
BK27760	2013	TA TRACTOR	07/15/2013	30 CY
1C92123	2012	TA TRACTOR	02/12/2013	7000 GAL
1C92124	2012	TA TRACTOR	02/12/2013	7000 GAL
1C92082	2012	TA TRACTOR	02/12/2013	7000 GAL
BP82019	2008	STERLING	02/12/2013	15 CY
1C91888	2014	FREIGHTLINER	07/15/2013	7000 GAL
1C91891	2014	FREIGHTLINER	07/15/2013	7000 GAL
1C91885	2014	FREIGHTLINER	07/15/2013	7000 GAL
1C91886	2014	FREIGHTLINER	07/15/2013	7000 GAL
1C91919	2014	FREIGHTLINER	07/15/2013	7000 GAL
1C91887	2014	FREIGHTLINER	07/15/2013	7000 GAL
1C91918	2014	FREIGHTLINER	07/15/2013	7000 GAL
1C91890	2014	FREIGHTLINER	07/15/2013	7000 GAL
1C91889	2014	FREIGHTLINER	07/15/2013	7000 GAL
BRM4685	2012	KENWORTH	07/15/2013	12 CY
BG90848	1998	STERLING	07/15/2013	15 CY
1C45655	2007	WESTERN STAR	07/15/2013	7000 GAL
RJ5L04	2008	KENWORTH	07/15/2013	7000 GAL

*UOM - Units of Measure

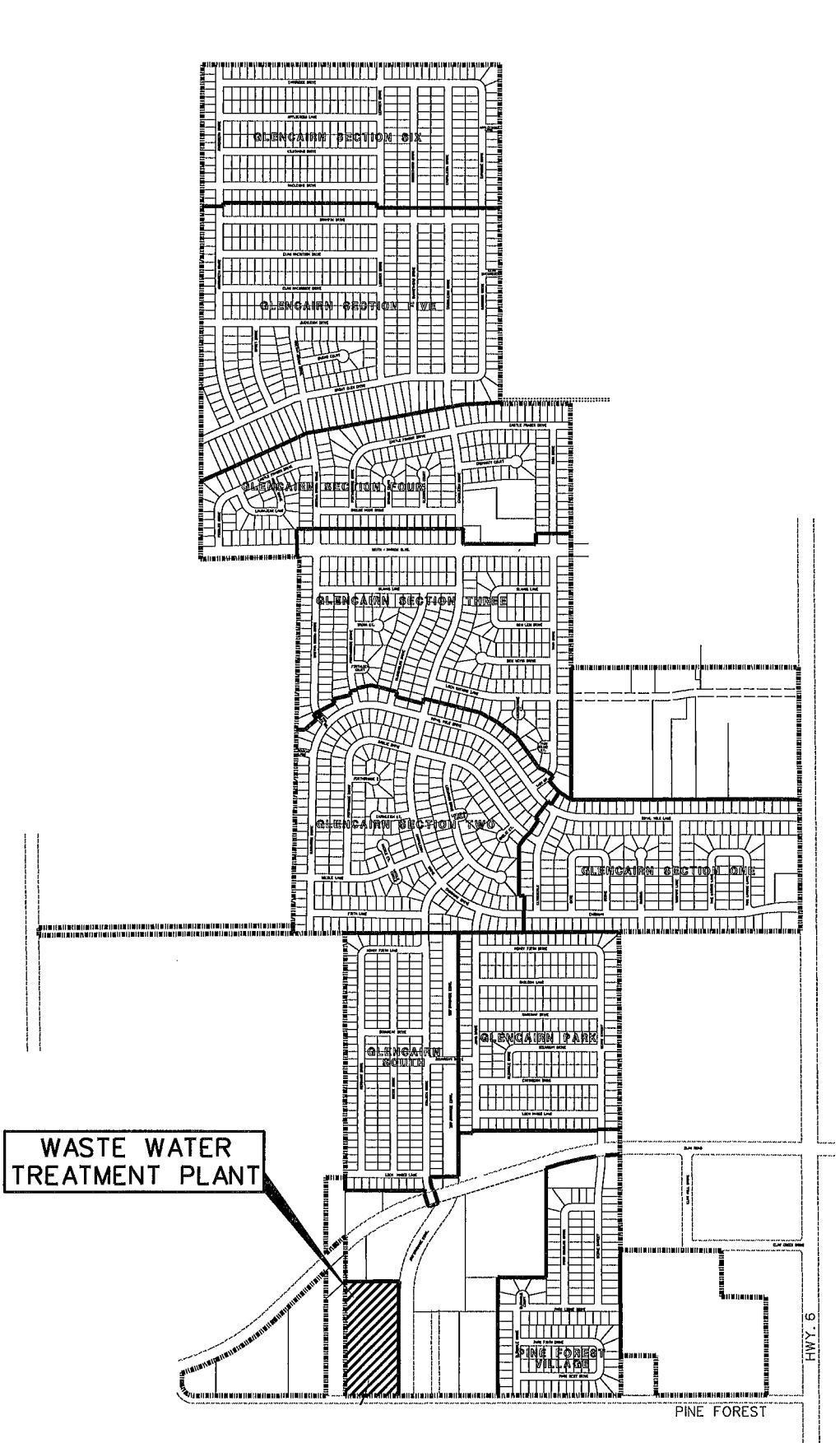
JACKRABBIT ROAD PUBLIC UTILITY DISTRICT
TPDES PERMIT RENEWAL APPLICATION
HARRIS COUNTY, TEXAS
WQ0011290-001

Attachment D

Site Drawing
Tech. Report 1.0 - Section 3, Page 2



JACKRABBIT ROAD P.U.D.
LOCATION MAP



JACKRABBIT ROAD P.U.D.

N.T.S.

KEY MAP NO. 477-H

JACKRABBIT ROAD PUBLIC UTILITY DISTRICT
TPDES PERMIT RENEWAL APPLICATION
HARRIS COUNTY, TEXAS
WQ0011290-001

Attachment E

Core Data Form
Admin. Report 1.0 - Section 3-C Page 4

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 601235120		**RN 102343597**

SECTION II: Customer Information

4. General Customer Information | **5. Effective Date for Customer Information Updates** (mm/dd/yyyy) 3/11/2025

☐ 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:*

Jackrabbit Road Public Utility District

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

11. Type of Customer: ☐ Corporation ☐ Individual Partnership: ☐ General ☐ Limited
Government: ☐ City ☐ County ☐ Federal ☐ Local ☐ State ☒ Other ☐ Sole Proprietorship ☐ Other:

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

13. Independently Owned and Operated?
☒ **Yes** ☐ **No**

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

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

15. Mailing Address:

1300 Post Oak Blvd., Suite 2400

City	Houston	**State**	TX	**ZIP**	77056	**ZIP + 4**	3044

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

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(713) 623-4531		(713) 623-6143

SECTION III: Regulated Entity Information

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

☐ New Regulated Entity ☐ Update to Regulated Entity Name ☒ Update to Regulated Entity Information

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

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

Jackrabbit Road Public Utility District

23. Street Address of the Regulated Entity: ***(No PO Boxes)***	16720 Pine Forest Lane							
	City	Houston	**State**	TX	**ZIP**	77084	**ZIP + 4**	
24. County	Harris							

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

25. Description to Physical Location:	

26. Nearest City	**State**	**Nearest ZIP Code**
Houston	TX	77084

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

27. Latitude (N) In Decimal:			**28. Longitude (W) In Decimal:**		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
29	49	54	95	39	24

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

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

Water Utility District

34. Mailing Address:	**1300 Post Oak Blvd., Suite 2400**							
	City	**Houston**	**State**	**TX**	**ZIP**	**77056**	**ZIP + 4**	**3044**

35. E-Mail Address:	rbarker@sphllp.com

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(713) 623-4531		**(713) 623-6143**

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.

☐ Dam Safety	☒ Districts	☐ Edwards Aquifer	☒ Emissions Inventory Air	☐ Industrial Hazardous Waste
	4785000		135034	
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☒ Petroleum Storage Tank	☒ PWS
			87500	1010538
☐ Sludge	☒ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
	TXR05U978			
☐ Voluntary Cleanup	☒ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:
	WQ0011290-001			

SECTION IV: Preparer Information

40. Name:	William T. Manning, Jr., P.E.	**41. Title:**	Engineer for District

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(713) 784-4830	18	(713) 754-4052	bmanning@sabdereng.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:	Jackrabbit Road Public Utility District	**Job Title:**	Board President
Name *(In Print):*	Charles L. Falknor	**Phone:**	(713) 623- **4531**
Signature:		**Date:**	3-11-25

JACKRABBIT ROAD PUBLIC UTILITY DISTRICT
TPDES PERMIT RENEWAL APPLICATION
HARRIS COUNTY, TEXAS
WQ0011290-001

Attachment F

Plain Language Summary
Admin. Report 1.0 - Section 8-F Page 7

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUMMARY OF APPLICATION IN PLAIN LANGUAGE FOR TPDES OR TLAP PERMIT APPLICATIONS

Summary of Application (in plain language) Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

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.

Jackrabbit Road Public Utility District (CN601235120) operates the Jackrabbit Public Utility District Sewage Treatment Plant (RN102343597), an activated sludge process operated in the single stage nitrification mode. The facility is located at 16720 Pine Forest Lane, in Houston, Harris County, Texas 77084. This application is for a renewal to discharge at an annual average flow of 5,100,000 gallons per day of treated domestic wastewater via Outfall 001.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD5), total suspended solids (TSS), ammonia nitrogen (NH3-N), and Escherichia coli. Additional potential pollutants are included in the Domestic Technical Report 1.0 Section 7., Pollutant Analysis of Treated Effluent and Domestic Worksheet 4.0 in the permit application package. Domestic wastewater is treated by an activated sludge process plant and the treatment units include bar screens, aeration basins, final clarifiers, sludge digesters, chlorine contact chambers and a dichlorination chamber.

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

AGUAS RESIDUALES DOMESTICAS /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.

El Distrito de Servicios Públicos de Jackrabbit Road (CN601235120) opera la Planta de Tratamiento de Aguas Residuales (RN102343597) del Distrito de Servicios Públicos de Jackrabbit, un proceso de lodos activados que opera en el modo de nitrificación de una sola etapa. La instalación está ubicada en 16720 Pine Forest Lane, en Houston, condado de Harris, Texas 77084. Esta solicitud es para una renovación para descargar a un flujo promedio anual de 5,100,000 galones por día de aguas residuales domésticas tratadas a través del desagüe 001.
Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno carbonoso (CBOD5) de cinco días, sólidos suspendidos totales (TSS), nitrógeno amoniacal (NH3-N) y Escherichia coli. Los contaminantes potenciales adicionales se incluyen en el Informe Técnico Doméstico 1.0 Sección 7., Análisis de Contaminantes de Efluentes Tratados y Hoja de Trabajo Doméstico 4.0 en el paquete de solicitud de permiso. Las aguas residuales domésticas son tratadas por una planta de proceso de lodos activados y las unidades de tratamiento incluyen tamices de barras, cuencas de aireación, clarificadores finales, digestores de lodos, cámaras de contacto con cloro y una cámara de dicloración.

JACKRABBIT ROAD PUBLIC UTILITY DISTRICT
TPDES PERMIT RENEWAL APPLICATION
HARRIS COUNTY, TEXAS
WQ0011290-001

Attachment SPIF

Supplemental Permit Information Form
Admin. Report - page 14

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: Jackrabbit Road Public Utility District

   Permit No. WQ00 11290-001 EPA ID No. TX 0046621

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

   16720 Pine Forest Lane, Houston, TX 77084

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: William T. Manning, Jr.

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

Title: Engineer for District

Mailing Address: 2901 Wilcrest

City, State, Zip Code: Houston, TX 77042

Phone No.: 713-784-4830 Ext.: 18 Fax No.: 713-784-4052

E-mail Address: bmanning@sandereng.com

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

N/A - Same Owner

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 HCFCD Ditch U102-20-00; thence to Bear Creek; thence to South Mayde Creek; thence to Buffalo Bayou above Tidal in Segment No. 1014 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 - Existing Facility

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

Wastewater Treatment Plant

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 - Renewal

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

N/A - Renewal

JACKRABBIT ROAD PUBLIC UTILITY DISTRICT
TPDES PERMIT RENEWAL APPLICATION
HARRIS COUNTY, TEXAS
WQ0011290-001

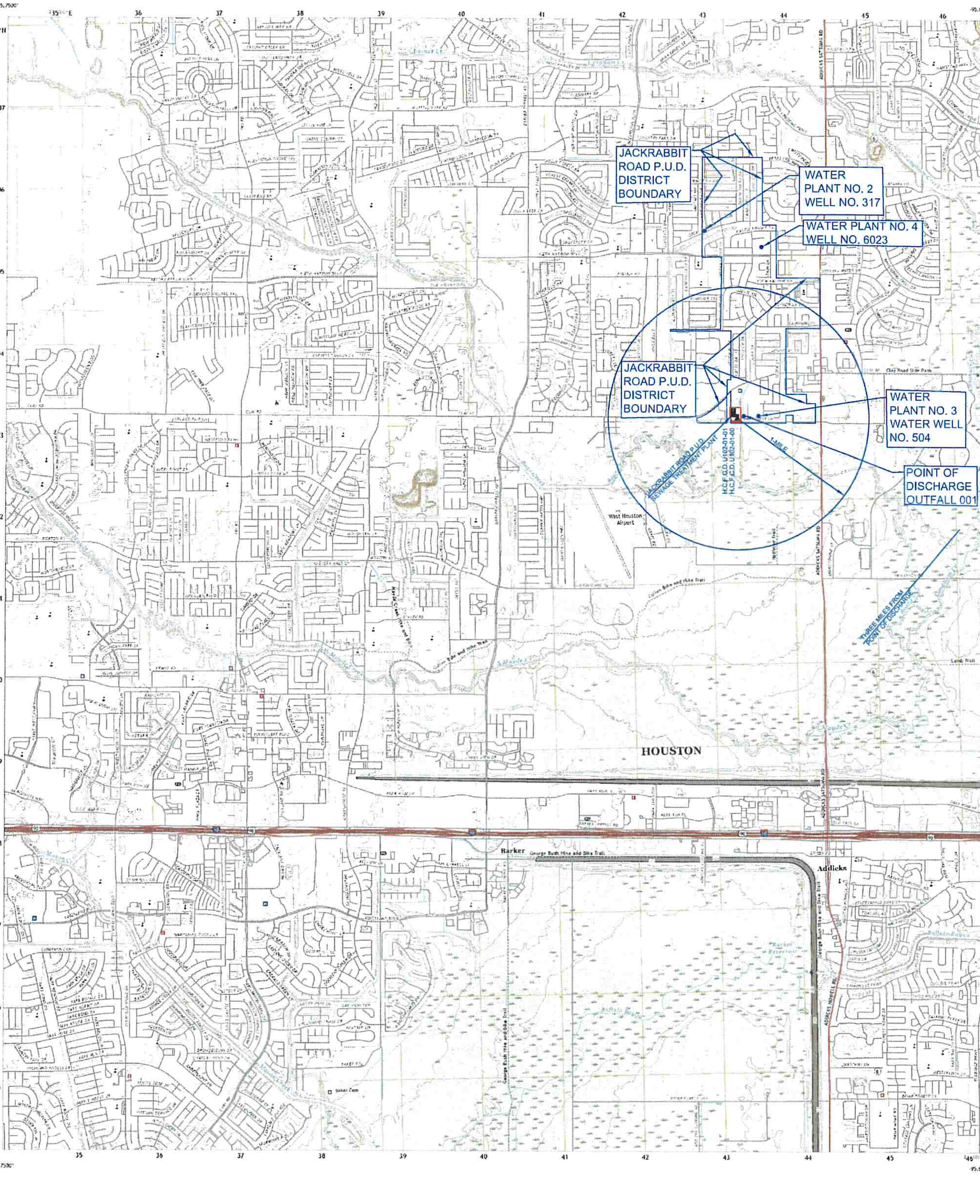
Attachment SPIF - USGS

USGS Topographic Maps
Supplemental Permit Information Form
Item 5 page 2

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

The National Map
US Topo

ADDICKS QUADRANGLE
TEXAS - HARRIS COUNTY
7.5-MINUTE SERIES



Produced by the United States Geological Survey

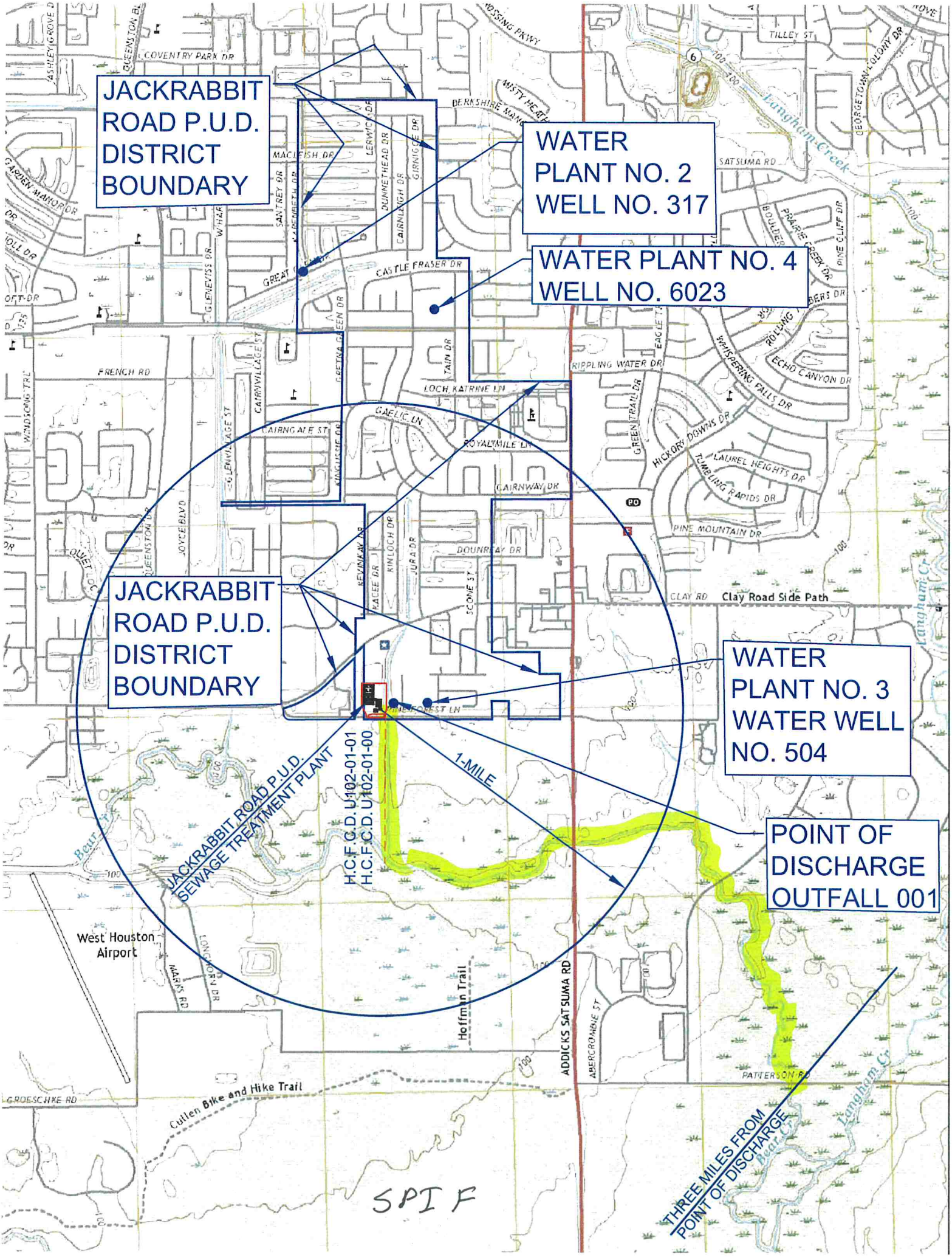
SCALE 1:24 000

CONTOUR INTERVAL 5 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

ROAD CLASSIFICATION

JACKRABBIT ROAD P.U.D.
PERMIT #WQ0011290-001
RENEWAL
ATTACHMENT SPIF 1

ADDICKS, TX
2019


JACKRABBIT ROAD P.U.D. DISTRICT BOUNDARY
WATER PLANT NO. 2 WELL NO. 317
WATER PLANT NO. 4 WELL NO. 6023
JACKRABBIT ROAD P.U.D. DISTRICT BOUNDARY
WATER PLANT NO. 3 WATER WELL NO. 504
POINT OF DISCHARGE OUTFALL 001
JACKRABBIT ROAD P.U.D. SEWAGE TREATMENT PLANT
1-MILE
H.C.F.C.D. U102-01-01
H.C.F.C.D. U102-01-00
THREE MILES FROM POINT OF DISCHARGE
COVENTRY PARK DR
BERKSHIRE MANOR DR
MACLEISH DR
SANTREY DR
DUNMETHEAD DR
CAIRNLEIGH DR
GIRNIGOE DR
SATSUMA RD
Langham Creek
CASTLE FRASER DR
GLENVISS DR
FRENCH RD
CAIRNVILLAGE ST
CAIRNGLEN ST
GAELIC LN
LOCH KATRINE LN
RIPPLING WATER DR
WHISPERING FALLS DR
ECHO CANYON DR
HICKORY DOWNS DR
LAUREL HEIGHTS DR
TUMBLING RAPIDS DR
PINE MOUNTAIN DR
ROYALTMILE DR
CAIRNWAY DR
DOUNREAY DR
KINLOCH DR
JURA DR
SCONE ST
CLAY RD
Clay Road Side Path
FOREST LN
West Houston Airport
Hoffman Trail
ADDICKS SATSUMA RD
ABERCROMBIE ST
PATTERSON RD
GROESCHKE RD
Cullen Bike and Hike Trail
Bear Cr
Langham Cr
SPIF

JACKRABBIT ROAD PUBLIC UTILITY DISTRICT
TPDES PERMIT RENEWAL APPLICATION
HARRIS COUNTY, TEXAS
WQ0011290-001

LABORATORY DATA
QA/QC
CHAIN OF CUSTODY

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

January 27, 2025

Laboratory Report

Patrick Bond
Inframark
32259 Morton Road
Brookshire, TX 77423

Report ID: 20250127112626RLR

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,

Rebecca Rabon For 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

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
01/27/2025 11:26

Sample Results

Client Sample ID: 18 Mohm DI
Lab Sample ID: 24L3161-01
Jackrabbit - Outfall 001 3 Part Grab Composite 1 [none]

Sample Matrix: Waste Water
Date Collected: 12/17/2024 7:25
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	BHL2686	12/22/2024 11:55	TBB

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

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TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
01/27/2025 11:26

Sample Results
(Continued)

Client Sample ID: Outfall 001 3 Part Grab
Lab Sample ID: 24L3161-02
Jackrabbit - Outfall 001 3 Part Grab Composite 1 [none]

Sample Matrix: Waste Water
Date Collected: 12/17/2024 7:25
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	BHL2686	12/22/2024 12:00	TBB

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TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
01/27/2025 11:26

Sample Results
(Continued)

Client Sample ID: 18 Mohm DI
Lab Sample ID: 24L3162-01
Jackrabbit - Outfall 001 3 Part Grab Composite 2 [none]

Sample Matrix: Waste Water
Date Collected: 12/17/2024 11:20
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	BHL2327	12/18/2024 13:15	TBB

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TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
01/27/2025 11:26

Sample Results
(Continued)

Client Sample ID: Outfall 001 3 Part Grab
Lab Sample ID: 24L3162-02
Jackrabbit - Outfall 001 3 Part Grab Composite 2 [none]

Sample Matrix: Waste Water
Date Collected: 12/17/2024 11:20
Collected by: Fernando Alvarez

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Metals, Total											
EPA 1631E	Mercury	A	0.0122		ug/L	1	0.00250	0.00500	BHL2327	12/18/2024 13:24	TBB

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TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
01/27/2025 11:26

Sample Results
(Continued)

Client Sample ID: Outfall 001
Lab Sample ID: 24L3467-01
Jackrabbit - Permit Renewal [none]

Sample Matrix: Waste Water
Date Collected: 12/19/2024 8:10
Collected by: Eddie Blackshear

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	BHL2967	12/23/2024 14:27	MLB
SM 4500-CN^- C	Total Cyanide	A	<10.0	U	ug/L	1	5.00	10.0	BHL2967	12/23/2024 14:27	MLB
EPA 1664A	n-Hexane Extractable Material (O&G)	A	<5.00	U	mg/L	1	3.32	5.00	BHL2739	12/20/2024 08:38	IDC
Microbiology											
Enterolert/ASTM D6503-99	Enterococci	A	5.20		MPN/100 mL	1	1.00	1.00	BHL2679	12/20/2024 15:36	SCH
SM 9223 B (Colilert Quanti-Tray)	Escherichia coli (E. coli)	A	6.30		MPN/100 mL	1	1.00	1.00	BHL2678	12/20/2024 16:22	SCH
Field											
Hach 10360	DO Field	N	9.94		mg/L	1	1.00	1.00	BHL2797	12/19/2024 08:10	EEB
Calc	Flow Field	N	0.299		MGD	1	0.00	0.00	BHL2797	12/19/2024 08:10	EEB
SM 4500-H+ B	pH	A	7.29		pH Units @ 25 °C	1	1.00	1.00	BHL2797	12/19/2024 08:10	EEB
SM 4500-Cl G	Total Residual Chlorine	A	0.35		mg/L	1	0.25	0.25	BHL2797	12/19/2024 08:10	EEB

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Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
01/27/2025 11:26

Sample Results
(Continued)

Client Sample ID: Outfall 001 Sampler
Lab Sample ID: 24L3467-02
Jackrabbit - Permit Renewal [none]

Sample Matrix: Waste Water
Date Collected: 12/19/2024 8:00
Collected by: Eddie Blackshear

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	5.95	333	BHL2845	12/31/2024 00:45	KRB
ASTM D7065	*Surrogate: n-NP-surr*		*72.8%*		*60-140*					*12/31/2024 00:45*	
EPA 625.1	1,2,4,5-Tetrachlorobenzene	A	<10.0	U	ug/L	1	0.0760	10.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	1,2,4-Trichlorobenzene	A	<10.0	U	ug/L	1	0.0943	10.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	1,2-Diphenylhydrazine	A	<20.0	U	ug/L	1	0.250	20.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy	A	<10.0	U	ug/L	1	0.129	10.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	2,4,5-Trichlorophenol	A	<10.0	U	ug/L	1	0.210	10.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	2,4,6-Trichlorophenol	A	<10.0	U	ug/L	1	0.385	10.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	2,4-Dichlorophenol	A	<10.0	U	ug/L	1	0.256	10.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	2,4-Dimethylphenol	A	<10.0	U	ug/L	1	0.294	10.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	2,4-Dinitrophenol	A	<50.0	U	ug/L	1	2.85	50.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	2,4-Dinitrotoluene (2,4-DNT)	A	<10.0	U	ug/L	1	0.0530	10.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	2,6-Dinitrotoluene (2,6-DNT)	A	<10.0	U	ug/L	1	0.584	10.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	2-Chloronaphthalene	A	<10.0	U	ug/L	1	0.123	10.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	2-Chlorophenol	A	<10.0	U	ug/L	1	0.147	10.0	BHL3326	12/27/2024 21:54	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	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	2-Nitrophenol	A	<20.0	U	ug/L	1	0.218	20.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	3,4-Methylphenol	A	<10.0	U	ug/L	1	0.462	10.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	4-Bromophenyl phenyl ether (BDE-3)	A	<10.0	U	ug/L	1	0.0682	10.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	4-Chloro-3-methylphenol	A	<10.0	U	ug/L	1	0.218	10.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	4-Chlorophenyl phenylether	A	<10.0	U	ug/L	1	0.207	10.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	4-Nitrophenol	A	<50.0	U	ug/L	1	2.40	50.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	Acenaphthene	A	<10.0	U	ug/L	1	0.0776	10.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	Acenaphthylene	A	<10.0	U	ug/L	1	0.0594	10.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	Anthracene	A	<10.0	U	ug/L	1	0.0532	10.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	Benzo(a)anthracene	A	<5.00	U	ug/L	1	0.0738	5.00	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	Benzo(a)pyrene	A	<5.00	U	ug/L	1	0.143	5.00	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	benzo(b&k)fluoranthene	A	<5.00	U	ug/L	1	0.118	5.00	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	Benzo(g,h,i)perylene	A	<20.0	U	ug/L	1	0.112	20.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	bis(2-Chloroethoxy)methane	A	<10.0	U	ug/L	1	0.112	10.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	bis(2-Chloroethyl) ether	A	<10.0	U	ug/L	1	0.184	10.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	Bis(2-ethylhexyl)phthalate	A	<10.0	U	ug/L	1	0.500	10.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	Butyl benzyl phthalate	A	<10.0	U	ug/L	1	0.123	10.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	Chrysene	A	<5.00	U	ug/L	1	0.0573	5.00	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	Dibenzo(a,h)anthracene	A	<5.00	U	ug/L	1	0.152	5.00	BHL3326	12/27/2024 21:54	KRB

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www. NWDLS.com
TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
01/27/2025 11:26

Sample Results
(Continued)

Client Sample ID: Outfall 001 Sampler (Continued)
Lab Sample ID: 24L3467-02
Jackrabbit - Permit Renewal [none]

Sample Matrix: Waste Water
Date Collected: 12/19/2024 8:00
Collected by: Eddie Blackshear

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Semivolatile Organic Compounds by GCMS (Continued)											
EPA 625.1	Diethyl phthalate	A	<10.0	U	ug/L	1	0.150	10.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	Dimethyl phthalate	A	<10.0	U	ug/L	1	0.0869	10.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	Di-n-butyl phthalate	A	<10.0	U	ug/L	1	0.505	10.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	Di-n-octyl phthalate	A	<10.0	U	ug/L	1	0.163	10.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	Fluoranthene	A	<10.0	U	ug/L	1	0.0676	10.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	Fluorene	A	<10.0	U	ug/L	1	0.0589	10.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	Hexachlorobenzene	A	<5.00	U	ug/L	1	0.0629	5.00	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	Hexachlorobutadiene	A	<10.0	U	ug/L	1	0.0697	10.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	Hexachlorocyclopentadiene	A	<10.0	U	ug/L	1	0.250	10.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	Hexachloroethane	A	<20.0	U	ug/L	1	0.0644	20.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	Hexachlorophene	A	<10.0	U	ug/L	1	0.343	10.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	Indeno(1,2,3-cd) pyrene	A	<5.00	U	ug/L	1	0.126	5.00	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	Isophorone	A	<10.0	U	ug/L	1	0.0853	10.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	Naphthalene	A	<10.0	U	ug/L	1	0.0742	10.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	Nitrobenzene	A	<10.0	U	ug/L	1	0.118	10.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	n-Nitrosodiethylamine	A	<20.0	U	ug/L	1	0.162	20.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	n-Nitrosodimethylamine	A	<50.0	U	ug/L	1	1.24	50.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	n-Nitroso-di-n-butylamine	A	<20.0	U	ug/L	1	1.87	20.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	n-Nitrosodi-n-propylamine	A	<20.0	U	ug/L	1	0.445	20.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	n-Nitrosodiphenylamine	A	<20.0	U	ug/L	1	0.0609	20.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	Pentachlorobenzene	A	<20.0	U	ug/L	1	0.0514	20.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	Pentachlorophenol	A	<5.00	U	ug/L	1	0.437	5.00	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	Phenanthrene	A	<10.0	U	ug/L	1	0.0816	10.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	Phenol, Total	A	<10.0	U	ug/L	1	0.470	10.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	Pyrene	A	<10.0	U	ug/L	1	0.0848	10.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	Pyridine	A	<20.0	U	ug/L	1	4.40	20.0	BHL3326	12/27/2024 21:54	KRB
EPA 625.1	*Surrogate: 2,4,6-Tribromophenol-surr*		*70.0%*		*33.6-139*					*12/27/2024 21:54*	
EPA 625.1	*Surrogate: 2-Fluorobiphenyl-surr*		*70.7%*		*32.2-138*					*12/27/2024 21:54*	
EPA 625.1	*Surrogate: 2-Fluorophenol-surr*		*85.3%*		*32.7-137*					*12/27/2024 21:54*	
EPA 625.1	*Surrogate: Nitrobenzene-d5-surr*		*104%*		*31.2-136*					*12/27/2024 21:54*	
EPA 625.1	*Surrogate: Phenol-d5-surr*		*78.4%*		*28.9-155*					*12/27/2024 21:54*	
EPA 625.1	*Surrogate: p-Terphenyl-d14-surr*		*67.9%*		*37.6-117*					*12/27/2024 21:54*	
Organics by GC											
SM 6640 B	2,4-D	A	<0.700	U	ug/L	2	0.236	0.700	BHL2749	01/01/2025 14:04	KRB
SM 6640 B	Silvex (2,4,5-TP)	A	<0.300	U	ug/L	2	0.238	0.300	BHL2749	01/01/2025 14:04	KRB
SM 6640 B	*Surrogate: DCAA-surr*		*97.0%*		*70-130*					*01/01/2025 14:04*	

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Reported:
01/27/2025 11:26

Sample Results
(Continued)

Client Sample ID: Outfall 001 Sampler (Continued)
Lab Sample ID: 24L3467-02
Jackrabbit - Permit Renewal [none]

Sample Matrix: Waste Water
Date Collected: 12/19/2024 8:00
Collected by: Eddie Blackshear

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Metals, Total											
EPA 200.8	Aluminum	A	14.1		ug/L	1	0.167	5.00	BHL3178	12/27/2024 12:10	JKC
EPA 200.8	Antimony	A	<5.00	U	ug/L	1	0.0589	5.00	BHL3178	12/27/2024 08:39	JKC
EPA 200.8	Arsenic	A	0.642		ug/L	1	0.0468	0.500	BHL3178	12/27/2024 12:16	ISS
EPA 200.8	Barium	A	51.8		ug/L	1	0.0200	3.00	BHL3178	12/27/2024 08:39	JKC
EPA 200.8	Beryllium	A	<0.500	U	ug/L	1	0.0137	0.500	BHL3178	12/27/2024 08:39	JKC
EPA 200.8	Cadmium	A	<1.00	U	ug/L	1	0.00798	1.00	BHL3178	12/27/2024 08:39	JKC
EPA 200.8	Chromium	A	<3.00	U	ug/L	1	0.0839	3.00	BHL3178	12/27/2024 08:39	JKC
EPA 200.8	Copper	A	4.46		ug/L	1	0.182	2.00	BHL3178	12/27/2024 08:39	JKC
Calc	Chromium (III)		<0.00600		mg/L	1	8.39E-5	0.00600	[CALC]	12/27/2024 08:39	JVG
EPA 200.8	Lead	A	<0.500	U	ug/L	1	0.0120	0.500	BHL3178	12/27/2024 08:39	JKC
EPA 200.8	Nickel	A	2.14		ug/L	1	0.0398	2.00	BHL3178	12/27/2024 08:39	JKC
EPA 200.8	Selenium	A	<5.00	U	ug/L	1	0.354	5.00	BHL3178	12/27/2024 08:39	JKC
EPA 200.8	Silver	A	<0.500	U	ug/L	1	0.00467	0.500	BHL3178	01/02/2025 11:35	JKC
EPA 200.8	Thallium	A	<0.500	U	ug/L	1	0.0617	0.500	BHL3178	12/27/2024 08:39	JKC
EPA 200.8	Zinc	A	24.3		ug/L	1	0.207	5.00	BHL3178	12/27/2024 08:39	JKC
Metals, Dissolved											
SM 3500-Cr B	Chromium (VI)	A	3.16		ug/L	1		3.00	BHL2841	12/20/2024 13:35	JVG
General Chemistry											
SM 2320 B	Alkalinity as CaCO3	A	34.6		mg/L	1	10.0	10.0	BHL2727	12/20/2024 14:03	FPN
SM 5210 B	Carbonaceous BOD (CBOD)	A	4.04	FF	mg/L	1.2	2.40	2.40	BHL2736	12/25/2024 10:05	BAK
EPA 300.0	Chloride	A	112		mg/L	10	0.345	10.0	BHL2630	12/20/2024 01:34	AGZ
SM 2510 B	Conductivity	A	835		umhos/cm @ 25 °C	1	2.00	2.00	BHL2727	12/20/2024 14:03	FPN
EPA 300.0	Fluoride	A	<0.250	U	mg/L	1	0.0105	0.250	BHL2630	12/20/2024 01:14	AGZ
EPA 350.1	Ammonia as N	A	0.0800		mg/L	1	0.0140	0.0400	BHL2844	12/20/2024 14:54	AMM
EPA 300.0	Nitrate as N	A	21200		ug/L	10	142	1000	BHL2630	12/20/2024 01:34	AGZ
EPA 300.0	Nitrite as N	A	<50.0	U	ug/L	1	5.10	50.0	BHL2630	12/20/2024 01:14	AGZ
EPA 300.0	Sulfate	A	60.7		mg/L	1	0.0341	1.00	BHL2630	12/20/2024 01:14	AGZ
SM 2540 C	Residue-filterable (TDS)	A	472		mg/L	1	10.0	10.0	BHL2726	12/23/2024 10:27	JRU
SM 4500-NH3 C	Total Kjeldahl Nitrogen - (TKN)	A	<1.00	U	mg/L	1	0.100	1.00	BHL2840	12/23/2024 09:44	ENR
EPA 365.1	Total Phosphorus	A	3.71		mg/L	1	0.117	0.200	BHL2723	12/20/2024 17:29	GJG
SM 2540 D	Residue-nonfilterable (TSS)	A	16.1		mg/L	1	1.00	1.00	BHL2732	12/23/2024 09:30	JRU

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Sample Results
(Continued)

Client Sample ID: Outfall 001 Sampler
Lab Sample ID: 24L3467-02RE1
Jackrabbit - Permit Renewal [none]

Sample Matrix: Waste Water
Date Collected: 12/19/2024 8:00
Collected by: Eddie Blackshear

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	BHL3326	12/31/2024 10:12	cdg
EPA 625.1	Benzidine (Rerun)	A	<50.0	U	ug/L	1	11.8	50.0	BHL3326	12/31/2024 10:12	cdg
EPA 625.1	*Surrogate: 2-Fluorobiphenyl-surr (Rerun)*		*64.0%*		*32.2-138*					*12/31/2024 10:12*	
EPA 625.1	*Surrogate: Nitrobenzene-d5-surr (Rerun)*		*67.2%*		*31.2-136*					*12/31/2024 10:12*	
EPA 625.1	*Surrogate: p-Terphenyl-d14-surr (Rerun)*		*39.6%*		*37.6-117*					*12/31/2024 10:12*	

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Sample Results
(Continued)

Client Sample ID: Outfall 001 Sampler
Lab Sample ID: 24L3467-02RE2
Jackrabbit - Permit Renewal [none]

Sample Matrix: Waste Water
Date Collected: 12/19/2024 8:00
Collected by: Eddie Blackshear

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Organics by GC											
EPA 1657	Azinphos-methyl (Guthion) (Rerun)	A	<0.105	U	ug/L	1	0.0348	0.105	BHL3303	12/28/2024 00:52	cdg
EPA 1657	Chlorpyrifos (Rerun)	A	<0.0523	U	ug/L	1	0.0269	0.0523	BHL3303	12/28/2024 00:52	cdg
EPA 1657	Demeton (Rerun)	A	<0.209	U	ug/L	1	0.0135	0.209	BHL3303	12/28/2024 00:52	cdg
EPA 1657	Diazinon (Rerun)	A	<0.523	U	ug/L	1	0.0337	0.523	BHL3303	12/28/2024 00:52	cdg
EPA 1657	Malathion (Rerun)	A	<0.105	U	ug/L	1	0.0139	0.105	BHL3303	12/28/2024 00:52	cdg
EPA 1657	Parathion, ethyl (Rerun)	A	<0.105	U	ug/L	1	0.0216	0.105	BHL3303	12/28/2024 00:52	cdg
EPA 1657	*Surrogate: Tributyl Phosphate-surr (Rerun)*		*123%*	*S*	*40-120*					*12/28/2024 00:52*	
EPA 1657	*Surrogate: Triphenyl Phosphate-surr (Rerun)*		*76.0%*		*40-120*					*12/28/2024 00:52*	

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Sample Results
(Continued)

Client Sample ID: Outfall 001 3 Part Grab
Lab Sample ID: 24L3467-03
Jackrabbit - Permit Renewal [none]

Sample Matrix: Waste Water
Date Collected: 12/19/2024 8:10
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	BHL3028	12/26/2024 15:08	TBB

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Sample Results
(Continued)

Client Sample ID: Outfall 001 3 Part Grab Composite
Lab Sample ID: 24L3467-04
Jackrabbit - Permit Renewal [none]

Sample Matrix: Waste Water
Date Collected: 12/19/2024 8:10
Collected by: Eddie Blackshear

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
Volatile Organic Compounds by GCMS											
EPA 624.1	1,1,1-Trichloroethane	A	<10.0	U	ug/L	1	0.622	10.0	BHL2866	12/20/2024 16:43	DDB
EPA 624.1	1,1,2,2-Tetrachloroethane	A	<10.0	U	ug/L	1	0.867	10.0	BHL2866	12/20/2024 16:43	DDB
EPA 624.1	1,1,2-Trichloroethane	A	<10.0	U	ug/L	1	0.789	10.0	BHL2866	12/20/2024 16:43	DDB
EPA 624.1	1,1-Dichloroethane	A	<10.0	U	ug/L	1	0.967	10.0	BHL2866	12/20/2024 16:43	DDB
EPA 624.1	1,1-Dichloroethylene	A	<10.0	U	ug/L	1	0.849	10.0	BHL2866	12/20/2024 16:43	DDB
EPA 624.1	1,2-Dibromoethane (EDB, Ethylene dibromide)	A	<10.0	U	ug/L	1	0.706	10.0	BHL2866	12/20/2024 16:43	DDB
EPA 624.1	1,2-Dichlorobenzene (o-Dichlorobenzene)	A	<10.0	U	ug/L	1	0.881	10.0	BHL2866	12/20/2024 16:43	DDB
EPA 624.1	1,2-Dichloroethane (Ethylene dichloride)	A	<10.0	U	ug/L	1	0.870	10.0	BHL2866	12/20/2024 16:43	DDB
EPA 624.1	1,2-Dichloropropane	A	<10.0	U	ug/L	1	0.854	10.0	BHL2866	12/20/2024 16:43	DDB
EPA 624.1	1,3-Dichlorobenzene (m-Dichlorobenzene)	A	<10.0	U	ug/L	1	0.717	10.0	BHL2866	12/20/2024 16:43	DDB
EPA 624.1	1,4-Dichlorobenzene (p-Dichlorobenzene)	A	<10.0	U	ug/L	1	0.641	10.0	BHL2866	12/20/2024 16:43	DDB
EPA 624.1	2-Butanone (Methyl ethyl ketone, MEK)	A	<50.0	U	ug/L	1	7.38	50.0	BHL2866	12/20/2024 16:43	DDB
EPA 624.1	2-Chloroethyl vinyl ether	A	<10.0	U	ug/L	1	3.14	10.0	BHL2866	12/20/2024 16:43	DDB
EPA 624.1	Acrolein (Propenal)	A	<17.0	U	ug/L	1	5.68	17.0	BHL2866	12/20/2024 16:43	DDB
EPA 624.1	Acrylonitrile	A	<50.0	U	ug/L	1	1.60	50.0	BHL2866	12/20/2024 16:43	DDB
EPA 624.1	Benzene	A	<10.0	U	ug/L	1	0.604	10.0	BHL2866	12/20/2024 16:43	DDB
EPA 624.1	Bromodichloromethane	A	12.9		ug/L	1	0.727	10.0	BHL2866	12/20/2024 16:43	DDB
EPA 624.1	Bromoform	A	<10.0	U	ug/L	1	0.678	10.0	BHL2866	12/20/2024 16:43	DDB
EPA 624.1	Carbon tetrachloride	A	<2.00	U	ug/L	1	0.500	2.00	BHL2866	12/20/2024 16:43	DDB
EPA 624.1	Chlorobenzene	A	<10.0	U	ug/L	1	0.724	10.0	BHL2866	12/20/2024 16:43	DDB
EPA 624.1	Chlorodibromomethane	A	<10.0	U	ug/L	1	0.802	10.0	BHL2866	12/20/2024 16:43	DDB
EPA 624.1	Chloroethane (Ethyl chloride)	A	<50.0	U	ug/L	1	1.30	50.0	BHL2866	12/20/2024 16:43	DDB
EPA 624.1	Chloroform	A	60.6		ug/L	1	0.688	10.0	BHL2866	12/20/2024 16:43	DDB
EPA 624.1	cis-1,3-Dichloropropene	A	<10.0	U	ug/L	1	0.580	10.0	BHL2866	12/20/2024 16:43	DDB
EPA 624.1	Ethylbenzene	A	<10.0	U	ug/L	1	0.727	10.0	BHL2866	12/20/2024 16:43	DDB
EPA 624.1	Methyl bromide (Bromomethane)	A	<50.0	U	ug/L	1	1.42	50.0	BHL2866	12/20/2024 16:43	DDB
EPA 624.1	Methyl chloride (Chloromethane)	A	<50.0	U	ug/L	1	0.765	50.0	BHL2866	12/20/2024 16:43	DDB
EPA 624.1	Methylene chloride (Dichloromethane)	A	<20.0	U	ug/L	1	1.60	20.0	BHL2866	12/20/2024 16:43	DDB
EPA 624.1	Tetrachloroethylene (Perchloroethylene)	A	<10.0	U	ug/L	1	0.703	10.0	BHL2866	12/20/2024 16:43	DDB
EPA 624.1	Toluene	A	<10.0	U	ug/L	1	0.649	10.0	BHL2866	12/20/2024 16:43	DDB
EPA 624.1	Total Trihalomethanes (TTHMs)	A	75.8		ug/L	1	2.00	10.0	BHL2866	12/20/2024 16:43	DDB
EPA 624.1	trans-1,2-Dichloroethylene	A	<10.0	U	ug/L	1	0.899	10.0	BHL2866	12/20/2024 16:43	DDB

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Sample Results
(Continued)

Client Sample ID: Outfall 001 3 Part Grab Composite (Continued)
Lab Sample ID: 24L3467-04
Jackrabbit - Permit Renewal [none]

Sample Matrix: Waste Water
Date Collected: 12/19/2024 8:10
Collected by: Eddie Blackshear

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	BHL2866	12/20/2024 16:43	DDB
EPA 624.1	Trichloroethene (Trichloroethylene)	A	<10.0	U	ug/L	1	0.744	10.0	BHL2866	12/20/2024 16:43	DDB
EPA 624.1	Vinyl chloride (Chloroethene)	A	<10.0	U	ug/L	1	1.30	10.0	BHL2866	12/20/2024 16:43	DDB
EPA 624.1	*Surrogate: 4-Bromofluorobenzene-surr*		*106%*		*70-130*					*12/20/2024 16:43*	
EPA 624.1	*Surrogate: 1,2-Dichloroethane-d4-surr*		*101%*		*70-130*					*12/20/2024 16:43*	
EPA 624.1	*Surrogate: Dibromofluoromethane-surr*		*104%*		*70-130*					*12/20/2024 16:43*	
EPA 624.1	*Surrogate: Toluene-d8-surr*		*107%*		*70-130*					*12/20/2024 16:43*	

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Sample Results
(Continued)

Client Sample ID: 18 Mohm DI
Lab Sample ID: 24L3467-05
Jackrabbit - Permit Renewal [none]

Sample Matrix: Waste Water
Date Collected: 12/19/2024 8:10
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	BHL3028	12/26/2024 15:04	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: BHL2866 - EPA 624										
Blank (BHL2866-BLK1)					Prepared & Analyzed: 12/20/2024					
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			*50.1*	*ug/L*	*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4-surr			*50.8*	*ug/L*	*50.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*52.2*	*ug/L*	*50.0*		*104*	*70-130*		
Surrogate: Toluene-d8-surr			*51.3*	*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: BHL2866 - EPA 624 (Continued)										
LCS (BHL2866-BS1)					Prepared & Analyzed: 12/20/2024					
1,1,1-Trichloroethane	40.3		10.0	ug/L	40.0		101	70-130		
1,1,2,2-Tetrachloroethane	39.4		10.0	ug/L	40.0		98.6	60-140		
1,1,2-Trichloroethane	40.0		10.0	ug/L	40.0		99.9	70-130		
1,1-Dichloroethane	37.9		10.0	ug/L	40.0		94.9	70-130		
1,1-Dichloroethylene	40.2		10.0	ug/L	40.0		101	50-150		
1,2-Dibromoethane (EDB, Ethylene dibromide)	40.3		10.0	ug/L	40.0		101	70-130		
1,2-Dichlorobenzene (o-Dichlorobenzene)	39.2		10.0	ug/L	40.0		98.0	65-135		
1,2-Dichloroethane (Ethylene dichloride)	40.4		10.0	ug/L	40.0		101	70-130		
1,2-Dichloropropane	39.5		10.0	ug/L	40.0		98.9	35-165		
1,3-Dichlorobenzene (m-Dichlorobenzene)	39.3		10.0	ug/L	40.0		98.1	70-130		
1,4-Dichlorobenzene (p-Dichlorobenzene)	38.6		10.0	ug/L	40.0		96.6	65-135		
2-Butanone (Methyl ethyl ketone, MEK)	419		50.0	ug/L	400		105	70-130		
2-Chloroethyl vinyl ether	38.7		10.0	ug/L	40.0		96.6	0-225		
Acrolein (Propenal)	202		50.0	ug/L	200		101	60-140		
Acrylonitrile	40.7	U	50.0	ug/L	40.0		102	60-140		
Benzene	39.5		10.0	ug/L	40.0		98.7	65-135		
Bromodichloromethane	39.6		10.0	ug/L	40.0		99.0	65-135		
Bromoform	39.6		10.0	ug/L	40.0		99.1	70-130		
Carbon tetrachloride	40.1		2.00	ug/L	40.0		100	70-130		
Chlorobenzene	39.1		10.0	ug/L	40.0		97.7	65-135		
Chlorodibromomethane	40.4		10.0	ug/L	40.0		101	70-135		
Chloroethane (Ethyl chloride)	38.7	U	50.0	ug/L	40.0		96.8	40-160		
Chloroform	38.6		10.0	ug/L	40.0		96.6	70-135		
cis-1,3-Dichloropropene	40.0		10.0	ug/L	40.0		100	25-175		
Ethylbenzene	39.3		10.0	ug/L	40.0		98.3	60-140		
Methyl bromide (Bromomethane)	39.7	U	50.0	ug/L	40.0		99.3	15-185		
Methyl chloride (Chloromethane)	38.8	U	50.0	ug/L	40.0		97.0	0-205		
Methylene chloride (Dichloromethane)	39.9		20.0	ug/L	40.0		99.8	60-140		
Tetrachloroethylene (Perchloroethylene)	41.6		10.0	ug/L	40.0		104	70-130		
Toluene	40.0		10.0	ug/L	40.0		99.9	70-130		
Total Trihalomethanes (TTHMs)	158		10.0	ug/L	160		98.9	70-130		
trans-1,2-Dichloroethylene	40.1		10.0	ug/L	40.0		100	70-130		
trans-1,3-Dichloropropylene	39.8		10.0	ug/L	40.0		99.5	50-150		
Trichloroethene (Trichloroethylene)	40.7		10.0	ug/L	40.0		102	65-135		
Vinyl chloride (Chloroethene)	38.8		10.0	ug/L	40.0		97.0	5-195		
Surrogate: 4-Bromofluorobenzene-surr			*48.9*	*ug/L*	*50.0*		*97.8*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4-surr			*47.7*	*ug/L*	*50.0*		*95.5*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*46.7*	*ug/L*	*50.0*		*93.4*	*70-130*		
Surrogate: Toluene-d8-surr			*47.5*	*ug/L*	*50.0*		*95.1*	*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: BHL2866 - EPA 624 (Continued)										
LCS Dup (BHL2866-BSD1)					Prepared & Analyzed: 12/20/2024					
1,1,1-Trichloroethane	42.3		10.0	ug/L	40.0		106	70-130	4.93	36
1,1,2,2-Tetrachloroethane	41.4		10.0	ug/L	40.0		104	60-140	4.93	61
1,1,2-Trichloroethane	40.5		10.0	ug/L	40.0		101	70-130	1.24	45
1,1-Dichloroethane	40.6		10.0	ug/L	40.0		102	70-130	6.79	40
1,1-Dichloroethylene	42.2		10.0	ug/L	40.0		106	50-150	4.82	32
1,2-Dibromoethane (EDB, Ethylene dibromide)	41.7		10.0	ug/L	40.0		104	70-130	3.25	30
1,2-Dichlorobenzene (o-Dichlorobenzene)	40.7		10.0	ug/L	40.0		102	65-135	3.62	57
1,2-Dichloroethane (Ethylene dichloride)	41.5		10.0	ug/L	40.0		104	70-130	2.69	49
1,2-Dichloropropane	41.9		10.0	ug/L	40.0		105	35-165	5.87	55
1,3-Dichlorobenzene (m-Dichlorobenzene)	40.4		10.0	ug/L	40.0		101	70-130	2.81	43
1,4-Dichlorobenzene (p-Dichlorobenzene)	40.8		10.0	ug/L	40.0		102	65-135	5.39	57
2-Butanone (Methyl ethyl ketone, MEK)	417		50.0	ug/L	400		104	70-130	0.554	30
2-Chloroethyl vinyl ether	40.7		10.0	ug/L	40.0		102	0-225	5.04	71
Acrolein (Propenal)	204		50.0	ug/L	200		102	60-140	0.893	60
Acrylonitrile	43.8	U	50.0	ug/L	40.0		110	60-140	7.35	60
Benzene	41.7		10.0	ug/L	40.0		104	65-135	5.57	61
Bromodichloromethane	41.1		10.0	ug/L	40.0		103	65-135	3.70	56
Bromoform	40.6		10.0	ug/L	40.0		101	70-130	2.33	42
Carbon tetrachloride	42.4		2.00	ug/L	40.0		106	70-130	5.57	41
Chlorobenzene	41.8		10.0	ug/L	40.0		105	65-135	6.71	53
Chlorodibromomethane	41.5		10.0	ug/L	40.0		104	70-135	2.52	50
Chloroethane (Ethyl chloride)	41.3	U	50.0	ug/L	40.0		103	40-160	6.35	78
Chloroform	40.9		10.0	ug/L	40.0		102	70-135	5.61	54
cis-1,3-Dichloropropene	41.5		10.0	ug/L	40.0		104	25-175	3.68	58
Ethylbenzene	42.5		10.0	ug/L	40.0		106	60-140	7.78	63
Methyl bromide (Bromomethane)	40.4	U	50.0	ug/L	40.0		101	15-185	1.81	61
Methyl chloride (Chloromethane)	40.8	U	50.0	ug/L	40.0		102	0-205	5.09	60
Methylene chloride (Dichloromethane)	41.2		20.0	ug/L	40.0		103	60-140	3.02	28
Tetrachloroethylene (Perchloroethylene)	43.4		10.0	ug/L	40.0		109	70-130	4.32	39
Toluene	41.7		10.0	ug/L	40.0		104	70-130	4.18	41
Total Trihalomethanes (TTHMs)	164		10.0	ug/L	160		102	70-130	3.53	30
trans-1,2-Dichloroethylene	41.6		10.0	ug/L	40.0		104	70-130	3.58	45
trans-1,3-Dichloropropylene	43.2		10.0	ug/L	40.0		108	50-150	8.17	86
Trichloroethene (Trichloroethylene)	43.2		10.0	ug/L	40.0		108	65-135	5.86	48
Vinyl chloride (Chloroethene)	41.8		10.0	ug/L	40.0		105	5-195	7.52	66
Surrogate: 4-Bromofluorobenzene-surr			*49.2*	*ug/L*	*50.0*		*98.3*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4-surr			*47.4*	*ug/L*	*50.0*		*94.8*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*47.2*	*ug/L*	*50.0*		*94.4*	*70-130*		
Surrogate: Toluene-d8-surr			*48.1*	*ug/L*	*50.0*		*96.2*	*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: BHL2866 - EPA 624 (Continued)										
Matrix Spike (BHL2866-MS1)	**Source: 24L3467-04**				Prepared & Analyzed: 12/20/2024					
1,1,1-Trichloroethane	48.9		10.0	ug/L	50.0	<10.0	97.9	52-162		
1,1,2,2-Tetrachloroethane	48.2		10.0	ug/L	50.0	<10.0	96.4	46-157		
1,1,2-Trichloroethane	46.3		10.0	ug/L	50.0	<10.0	92.5	52-150		
1,1-Dichloroethane	47.4		10.0	ug/L	50.0	<10.0	94.9	59-155		
1,1-Dichloroethylene	49.1		10.0	ug/L	50.0	<10.0	98.2	0-234		
1,2-Dibromoethane (EDB, Ethylene dibromide)	46.7		10.0	ug/L	50.0	<10.0	93.3	70-130		
1,2-Dichlorobenzene (o-Dichlorobenzene)	46.8		10.0	ug/L	50.0	<10.0	93.6	18-190		
1,2-Dichloroethane (Ethylene dichloride)	46.3		10.0	ug/L	50.0	<10.0	92.6	49-155		
1,2-Dichloropropane	48.0		10.0	ug/L	50.0	<10.0	96.0	0-210		
1,3-Dichlorobenzene (m-Dichlorobenzene)	47.2		10.0	ug/L	50.0	0.817	92.7	59-156		
1,4-Dichlorobenzene (p-Dichlorobenzene)	45.9		10.0	ug/L	50.0	<10.0	91.8	18-190		
2-Butanone (Methyl ethyl ketone, MEK)	492		50.0	ug/L	500	<50.0	98.3	70-130		
2-Chloroethyl vinyl ether	45.9		10.0	ug/L	50.0	<10.0	91.8	0-305		
Acrolein (Propenal)	220		50.0	ug/L	250	<50.0	87.8	40-160		
Acrylonitrile	46.5	U	50.0	ug/L	50.0	<50.0	93.0	40-160		
Benzene	47.7		10.0	ug/L	50.0	<10.0	95.5	37-151		
Bromodichloromethane	59.6		10.0	ug/L	50.0	12.9	93.4	35-155		
Bromoform	47.6		10.0	ug/L	50.0	<10.0	95.2	45-169		
Carbon tetrachloride	50.4		2.00	ug/L	50.0	<2.00	101	70-140		
Chlorobenzene	48.6		10.0	ug/L	50.0	<10.0	97.2	37-160		
Chlorodibromomethane	48.8		10.0	ug/L	50.0	2.40	92.7	53-149		
Chloroethane (Ethyl chloride)	46.3	U	50.0	ug/L	50.0	<50.0	92.6	14-230		
Chloroform	106		10.0	ug/L	50.0	60.6	90.6	51-138		
cis-1,3-Dichloropropene	47.8		10.0	ug/L	50.0	<10.0	95.7	0-227		
Ethylbenzene	49.2		10.0	ug/L	50.0	<10.0	98.5	37-162		
Methyl bromide (Bromomethane)	46.6	U	50.0	ug/L	50.0	<50.0	93.3	0-242		
Methyl chloride (Chloromethane)	46.4	U	50.0	ug/L	50.0	<50.0	92.8	0-273		
Methylene chloride (Dichloromethane)	47.5		20.0	ug/L	50.0	<20.0	95.0	0-221		
Tetrachloroethylene (Perchloroethylene)	51.5		10.0	ug/L	50.0	<10.0	103	64-148		
Toluene	48.8		10.0	ug/L	50.0	1.09	95.5	47-150		
Total Trihalomethanes (TTHMs)	262		10.0	ug/L	200	75.8	93.0	70-130		
trans-1,2-Dichloroethylene	49.5		10.0	ug/L	50.0	<10.0	99.0	54-156		
trans-1,3-Dichloropropylene	46.8		10.0	ug/L	50.0	<10.0	93.7	17-183		
Trichloroethene (Trichloroethylene)	49.3		10.0	ug/L	50.0	<10.0	98.6	70-157		
Vinyl chloride (Chloroethene)	47.4		10.0	ug/L	50.0	<10.0	94.8	0-251		
Surrogate: 4-Bromofluorobenzene-surr			*48.0*	*ug/L*	*50.0*		*96.1*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4-surr			*48.0*	*ug/L*	*50.0*		*95.9*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*47.7*	*ug/L*	*50.0*		*95.3*	*70-130*		
Surrogate: Toluene-d8-surr			*48.1*	*ug/L*	*50.0*		*96.2*	*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: BHL2866 - EPA 624 (Continued)										
Matrix Spike Dup (BHL2866-MSD1)	**Source: 24L3467-04**				Prepared & Analyzed: 12/20/2024					
1,1,1-Trichloroethane	51.3		10.0	ug/L	50.0	<10.0	103	52-162	4.65	36
1,1,2,2-Tetrachloroethane	49.5		10.0	ug/L	50.0	<10.0	99.1	46-157	2.71	61
1,1,2-Trichloroethane	48.0		10.0	ug/L	50.0	<10.0	95.9	52-150	3.60	45
1,1-Dichloroethane	49.3		10.0	ug/L	50.0	<10.0	98.6	59-155	3.81	40
1,1-Dichloroethylene	51.4		10.0	ug/L	50.0	<10.0	103	0-234	4.46	32
1,2-Dibromoethane (EDB, Ethylene dibromide)	49.7		10.0	ug/L	50.0	<10.0	99.3	70-130	6.22	30
1,2-Dichlorobenzene (o-Dichlorobenzene)	49.2		10.0	ug/L	50.0	<10.0	98.3	18-190	4.91	57
1,2-Dichloroethane (Ethylene dichloride)	49.3		10.0	ug/L	50.0	<10.0	98.7	49-155	6.37	49
1,2-Dichloropropane	50.0		10.0	ug/L	50.0	<10.0	100	0-210	4.07	55
1,3-Dichlorobenzene (m-Dichlorobenzene)	49.7		10.0	ug/L	50.0	0.817	97.8	59-156	5.21	43
1,4-Dichlorobenzene (p-Dichlorobenzene)	48.7		10.0	ug/L	50.0	<10.0	97.4	18-190	5.99	57
2-Butanone (Methyl ethyl ketone, MEK)	510		50.0	ug/L	500	<50.0	102	70-130	3.67	30
2-Chloroethyl vinyl ether	53.6		10.0	ug/L	50.0	<10.0	107	0-305	15.5	71
Acrolein (Propenal)	194		50.0	ug/L	250	<50.0	77.7	40-160	12.2	60
Acrylonitrile	52.9		50.0	ug/L	50.0	<50.0	106	40-160	12.8	60
Benzene	50.1		10.0	ug/L	50.0	<10.0	100	37-151	4.93	61
Bromodichloromethane	62.1		10.0	ug/L	50.0	12.9	98.6	35-155	4.24	56
Bromoform	49.9		10.0	ug/L	50.0	<10.0	99.8	45-169	4.76	42
Carbon tetrachloride	51.6		2.00	ug/L	50.0	<2.00	103	70-140	2.28	41
Chlorobenzene	49.4		10.0	ug/L	50.0	<10.0	98.9	37-160	1.70	53
Chlorodibromomethane	51.0		10.0	ug/L	50.0	2.40	97.3	53-149	4.57	50
Chloroethane (Ethyl chloride)	51.6		50.0	ug/L	50.0	<50.0	103	14-230	10.9	78
Chloroform	106		10.0	ug/L	50.0	60.6	90.7	51-138	0.0698	54
cis-1,3-Dichloropropene	50.1		10.0	ug/L	50.0	<10.0	100	0-227	4.54	58
Ethylbenzene	50.9		10.0	ug/L	50.0	<10.0	102	37-162	3.39	63
Methyl bromide (Bromomethane)	49.6	U	50.0	ug/L	50.0	<50.0	99.2	0-242	6.18	61
Methyl chloride (Chloromethane)	50.4		50.0	ug/L	50.0	<50.0	101	0-273	8.27	60
Methylene chloride (Dichloromethane)	48.5		20.0	ug/L	50.0	<20.0	96.9	0-221	1.96	28
Tetrachloroethylene (Perchloroethylene)	54.7		10.0	ug/L	50.0	<10.0	109	64-148	5.90	39
Toluene	50.8		10.0	ug/L	50.0	1.09	99.4	47-150	3.89	41
Total Trihalomethanes (TTHMs)	269		10.0	ug/L	200	75.8	96.6	70-130	2.74	30
trans-1,2-Dichloroethylene	51.7		10.0	ug/L	50.0	<10.0	103	54-156	4.43	45
trans-1,3-Dichloropropylene	49.9		10.0	ug/L	50.0	<10.0	99.7	17-183	6.29	86
Trichloroethene (Trichloroethylene)	51.1		10.0	ug/L	50.0	<10.0	102	70-157	3.50	48
Vinyl chloride (Chloroethene)	53.2		10.0	ug/L	50.0	<10.0	106	0-251	11.5	66
Surrogate: 4-Bromofluorobenzene-surr			*47.2*	*ug/L*	*50.0*		*94.4*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4-surr			*47.7*	*ug/L*	*50.0*		*95.5*	*70-130*		
Surrogate: Dibromofluoromethane-surr			*47.2*	*ug/L*	*50.0*		*94.5*	*70-130*		
Surrogate: Toluene-d8-surr			*48.3*	*ug/L*	*50.0*		*96.5*	*70-130*		

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Quality Control
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Semivolatile Organic Compounds by GCMS

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHL2845 - SW-3511										
MB NP (BHL2845-BLK1)				Prepared: 12/20/2024 Analyzed: 12/30/2024						
Nonylphenol	<333	U	333	ug/L						
Surrogate: n-NP-surr			*6.60*	*ug/L*	*7.98*		*82.7*	*60-140*		
BS NP (BHL2845-BS1)				Prepared: 12/20/2024 Analyzed: 12/30/2024						
Nonylphenol	37.9	U	333	ug/L	39.7		95.7	56-112		
Surrogate: n-NP-surr			*6.76*	*ug/L*	*7.93*		*85.2*	*60-140*		
BSD NP (BHL2845-BSD1)				Prepared: 12/20/2024 Analyzed: 12/30/2024						
Nonylphenol	30.0	J1, U	333	ug/L	39.4		75.9	56-112	23.5	22
Surrogate: n-NP-surr			*5.70*	*ug/L*	*7.89*		*72.2*	*60-140*		
24L3467-02 MS (BHL2845-MS1)		**Source: 24L3467-02**		Prepared: 12/20/2024 Analyzed: 12/30/2024						
Nonylphenol	34.8	U	333	ug/L	39.9	<333	87.4	56-112		
Surrogate: n-NP-surr			*5.86*	*ug/L*	*7.97*		*73.5*	*60-140*		
24L3467-02 MSD (BHL2845-MSD1)		**Source: 24L3467-02**		Prepared: 12/20/2024 Analyzed: 12/31/2024						
Nonylphenol	31.2	U	333	ug/L	39.5	<333	78.9	56-112	11.1	22
Surrogate: n-NP-surr			*5.24*	*ug/L*	*7.90*		*66.3*	*60-140*		
Batch: BHL3326 - EPA 625 LLE										
Blank (BHL3326-BLK1)				Prepared: 12/26/2024 Analyzed: 12/27/2024						
1,2,4,5-Tetrachlorobenzene	<10.0	U	10.0	ug/L						
1,2,4-Trichlorobenzene	<10.0	U	10.0	ug/L						
1,2-Diphenylhydrazine	<20.0	U	20.0	ug/L						
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy	<10.0	U	10.0	ug/L						
2,4,5-Trichlorophenol	<10.0	U	10.0	ug/L						
2,4,6-Trichlorophenol	<10.0	U	10.0	ug/L						
2,4-Dichlorophenol	<10.0	U	10.0	ug/L						
2,4-Dimethylphenol	<10.0	U	10.0	ug/L						
2,4-Dinitrophenol	<50.0	U	50.0	ug/L						
2,4-Dinitrotoluene (2,4-DNT)	<10.0	U	10.0	ug/L						
2,6-Dinitrotoluene (2,6-DNT)	<10.0	U	10.0	ug/L						
2-Chloronaphthalene	<10.0	U	10.0	ug/L						
2-Chlorophenol	<10.0	U	10.0	ug/L						
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph	<50.0	U	50.0	ug/L						
2-Nitrophenol	<20.0	U	20.0	ug/L						
3,4-Methylphenol	<10.0	U	10.0	ug/L						
4-Bromophenyl phenyl ether (BDE-3)	<10.0	U	10.0	ug/L						
4-Chloro-3-methylphenol	<10.0	U	10.0	ug/L						
4-Chlorophenyl phenylether	<10.0	U	10.0	ug/L						
4-Nitrophenol	<50.0	U	50.0	ug/L						
Acenaphthene	<10.0	U	10.0	ug/L						
Acenaphthylene	<10.0	U	10.0	ug/L						
Anthracene	<10.0	U	10.0	ug/L						

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01/27/2025 11:26

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: BHL3326 - EPA 625 LLE (Continued)										
Blank (BHL3326-BLK1)					Prepared: 12/26/2024 Analyzed: 12/27/2024					
Benzo(a)anthracene	<5.00	U	5.00	ug/L						
Benzo(a)pyrene	<5.00	U	5.00	ug/L						
benzo(b&k)fluoranthene	<5.00	U	5.00	ug/L						
Benzo(g,h,i)perylene	<20.0	U	20.0	ug/L						
bis(2-Chloroethoxy)methane	<10.0	U	10.0	ug/L						
bis(2-Chloroethyl) ether	<10.0	U	10.0	ug/L						
Bis(2-ethylhexyl)phthalate	<10.0	U	10.0	ug/L						
Butyl benzyl phthalate	<10.0	U	10.0	ug/L						
Chrysene	<5.00	U	5.00	ug/L						
Dibenzo(a,h)anthracene	<5.00	U	5.00	ug/L						
Diethyl phthalate	<10.0	U	10.0	ug/L						
Dimethyl phthalate	<10.0	U	10.0	ug/L						
Di-n-butyl phthalate	<10.0	U	10.0	ug/L						
Di-n-octyl phthalate	<10.0	U	10.0	ug/L						
Fluoranthene	<10.0	U	10.0	ug/L						
Fluorene	<10.0	U	10.0	ug/L						
Hexachlorobenzene	<5.00	U	5.00	ug/L						
Hexachlorobutadiene	<10.0	U	10.0	ug/L						
Hexachlorocyclopentadiene	<10.0	U	10.0	ug/L						
Hexachloroethane	<20.0	U	20.0	ug/L						
Hexachlorophene	<10.0	U	10.0	ug/L						
Indeno(1,2,3-cd) pyrene	<5.00	U	5.00	ug/L						
Isophorone	<10.0	U	10.0	ug/L						
Naphthalene	<10.0	U	10.0	ug/L						
Nitrobenzene	<10.0	U	10.0	ug/L						
n-Nitrosodiethylamine	<20.0	U	20.0	ug/L						
n-Nitrosodimethylamine	<50.0	U	50.0	ug/L						
n-Nitroso-di-n-butylamine	<20.0	U	20.0	ug/L						
n-Nitrosodi-n-propylamine	<20.0	U	20.0	ug/L						
n-Nitrosodiphenylamine	<20.0	U	20.0	ug/L						
Pentachlorobenzene	<20.0	U	20.0	ug/L						
Pentachlorophenol	<5.00	U	5.00	ug/L						
Phenanthrene	<10.0	U	10.0	ug/L						
Phenol, Total	<10.0	U	10.0	ug/L						
Pyrene	<10.0	U	10.0	ug/L						
Pyridine	<20.0	U	20.0	ug/L						
Surrogate: 2,4,6-Tribromophenol-surr			*3.42*	*ug/L*	*4.00*		*85.5*	*33.6-139*		
Surrogate: 2-Fluorobiphenyl-surr			*1.53*	*ug/L*	*2.00*		*76.4*	*32.2-138*		
Surrogate: 2-Fluorophenol-surr			*3.44*	*ug/L*	*4.00*		*85.9*	*32.7-137*		
Surrogate: Nitrobenzene-d5-surr			*1.82*	*ug/L*	*2.00*		*90.8*	*31.2-136*		
Surrogate: Phenol-d5-surr			*3.77*	*ug/L*	*4.00*		*94.2*	*28.9-155*		
Surrogate: p-Terphenyl-d14-surr			*1.56*	*ug/L*	*2.00*		*78.1*	*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: BHL3326 - EPA 625 LLE (Continued)										
Blank (BHL3326-BLK2)				Prepared: 12/26/2024 Analyzed: 12/31/2024						
3,3'-Dichlorobenzidine	<5.00	U	5.00	ug/L						
Benzidine	<50.0	U	50.0	ug/L						
Surrogate: 2-Fluorobiphenyl-surr			*1.37*	*ug/L*	*2.00*		*68.6*	*32.2-138*		
Surrogate: Nitrobenzene-d5-surr			*1.29*	*ug/L*	*2.00*		*64.3*	*31.2-136*		
Surrogate: p-Terphenyl-d14-surr			*1.00*	*ug/L*	*2.00*		*50.2*	*37.6-117*		
LCS BENZ (BHL3326-BS1)				Prepared: 12/26/2024 Analyzed: 12/31/2024						
3,3'-Dichlorobenzidine	51.0		5.00	ug/L	50.0		102	0-262		
Benzidine	<50.0	U	50.0	ug/L	50.0			0-131		
Surrogate: 2-Fluorobiphenyl-surr			*1.28*	*ug/L*	*2.00*		*64.1*	*32.2-138*		
Surrogate: Nitrobenzene-d5-surr			*1.25*	*ug/L*	*2.00*		*62.6*	*31.2-136*		
Surrogate: p-Terphenyl-d14-surr			*0.938*	*ug/L*	*2.00*		*46.9*	*37.6-117*		
LCS (BHL3326-BS2)				Prepared: 12/26/2024 Analyzed: 12/27/2024						
1,2,4,5-Tetrachlorobenzene	1.66	U	10.0	ug/L	2.00		83.1	60-140		
1,2,4-Trichlorobenzene	1.62	U	10.0	ug/L	2.00		81.1	44-142		
1,2-Diphenylhydrazine	1.46	U	20.0	ug/L	2.00		73.1	60-140		
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy	1.85	U	10.0	ug/L	2.00		92.6	60-140		
2,4,5-Trichlorophenol	3.42	U	10.0	ug/L	4.00		85.5	60-140		
2,4,6-Trichlorophenol	3.52	U	10.0	ug/L	4.00		88.0	37-144		
2,4-Dichlorophenol	3.60	U	10.0	ug/L	4.00		90.0	39-135		
2,4-Dimethylphenol	3.37	U	10.0	ug/L	4.00		84.1	32-120		
2,4-Dinitrophenol	8.83	U	50.0	ug/L	10.0		88.3	0-191		
2,4-Dinitrotoluene (2,4-DNT)	1.52	U	10.0	ug/L	2.00		75.9	39-139		
2,6-Dinitrotoluene (2,6-DNT)	1.79	U	10.0	ug/L	2.00		89.5	50-158		
2-Chloronaphthalene	1.50	U	10.0	ug/L	2.00		74.8	60-120		
2-Chlorophenol	2.53	U	10.0	ug/L	4.00		63.2	23-134		
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph	3.43	U	50.0	ug/L	4.00		85.8	0-181		
2-Nitrophenol	4.06	U	20.0	ug/L	4.00		101	29-182		
3,4-Methylphenol	6.06	U	10.0	ug/L	8.00		75.8	60-140		
4-Bromophenyl phenyl ether (BDE-3)	1.51	U	10.0	ug/L	2.00		75.6	53-127		
4-Chloro-3-methylphenol	3.36	U	10.0	ug/L	4.00		84.1	22-147		
4-Chlorophenyl phenylether	1.64	U	10.0	ug/L	2.00		82.2	25-158		
4-Nitrophenol	8.93	U	50.0	ug/L	10.0		89.3	0-132		
Acenaphthene	1.56	U	10.0	ug/L	2.00		78.2	47-145		
Acenaphthylene	1.52	U	10.0	ug/L	2.00		76.0	33-145		
Anthracene	1.50	U	10.0	ug/L	2.00		75.1	27-133		
Benzo(a)anthracene	1.62	U	5.00	ug/L	2.00		80.8	33-143		
Benzo(a)pyrene	1.57	U	5.00	ug/L	2.00		78.4	17-163		
benzo(b&k)fluoranthene	3.17	U	5.00	ug/L	4.00		79.2	60-140		
Benzo(g,h,i)perylene	1.51	U	20.0	ug/L	2.00		75.4	0-219		
bis(2-Chloroethoxy)methane	1.84	U	10.0	ug/L	2.00		91.9	33-184		
bis(2-Chloroethyl) ether	1.76	U	10.0	ug/L	2.00		88.0	12-158		
Bis(2-ethylhexyl)phthalate	1.99	U	10.0	ug/L	2.00		99.3	8-158		
Butyl benzyl phthalate	1.65	U	10.0	ug/L	2.00		82.5	0-152		

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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: BHL3326 - EPA 625 LLE (Continued)										
LCS (BHL3326-BS2)					Prepared: 12/26/2024 Analyzed: 12/27/2024					
Chrysene	1.15	U	5.00	ug/L	2.00		57.7	17-168		
Dibenzo(a,h)anthracene	1.28	U	5.00	ug/L	2.00		64.1	0-227		
Diethyl phthalate	1.72	U	10.0	ug/L	2.00		85.8	0-120		
Dimethyl phthalate	1.56	U	10.0	ug/L	2.00		78.0	0-120		
Di-n-butyl phthalate	2.10	U	10.0	ug/L	2.00		105	1-120		
Di-n-octyl phthalate	1.77	U	10.0	ug/L	2.00		88.4	4-146		
Fluoranthene	1.48	U	10.0	ug/L	2.00		73.8	26-137		
Fluorene	1.57	U	10.0	ug/L	2.00		78.4	59-121		
Hexachlorobenzene	1.41	U	5.00	ug/L	2.00		70.5	0-152		
Hexachlorobutadiene	1.81	U	10.0	ug/L	2.00		90.3	24-120		
Hexachlorocyclopentadiene	2.09	U	10.0	ug/L	2.00		105	60-140		
Hexachloroethane	1.67	U	20.0	ug/L	2.00		83.7	40-120		
Hexachlorophene	2.99	U	10.0	ug/L	4.00		74.8	60-140		
Indeno(1,2,3-cd) pyrene	1.53	U	5.00	ug/L	2.00		76.6	0-171		
Isophorone	1.82	U	10.0	ug/L	2.00		90.9	21-196		
Naphthalene	1.62	U	10.0	ug/L	2.00		80.9	21-133		
Nitrobenzene	1.82	U	10.0	ug/L	2.00		90.8	35-180		
n-Nitrosodiethylamine	1.74	U	20.0	ug/L	2.00		87.0	60-140		
n-Nitrosodimethylamine	1.70	U	50.0	ug/L	10.0		17.0	4.18-37.2		
n-Nitroso-di-n-butylamine	<20.0	U	20.0	ug/L	2.00			60-140		
n-Nitrosodi-n-propylamine	1.84	U	20.0	ug/L	2.00		92.1	0-230		
n-Nitrosodiphenylamine	0.709	J1, U	20.0	ug/L	2.00		35.4	60-140		
Pentachlorobenzene	1.59	U	20.0	ug/L	2.00		79.6	60-140		
Pentachlorophenol	3.42	U	5.00	ug/L	4.00		85.6	14-176		
Phenanthrene	1.57	U	10.0	ug/L	2.00		78.5	54-120		
Phenol, Total	4.28	U	10.0	ug/L	4.00		107	5-120		
Pyrene	1.42	U	10.0	ug/L	2.00		71.1	52-120		
Pyridine	<20.0	U	20.0	ug/L	10.0			0-137		
Surrogate: 2,4,6-Tribromophenol-surr			*3.31*	*ug/L*	*4.00*		*82.7*	*33.6-139*		
Surrogate: 2-Fluorobiphenyl-surr			*1.71*	*ug/L*	*2.00*		*85.7*	*32.2-138*		
Surrogate: 2-Fluorophenol-surr			*3.84*	*ug/L*	*4.00*		*96.0*	*32.7-137*		
Surrogate: Nitrobenzene-d5-surr			*1.82*	*ug/L*	*2.00*		*90.8*	*31.2-136*		
Surrogate: Phenol-d5-surr			*3.82*	*ug/L*	*4.00*		*95.5*	*28.9-155*		
Surrogate: p-Terphenyl-d14-surr			*1.60*	*ug/L*	*2.00*		*80.0*	*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: BHL3326 - EPA 625 LLE (Continued)										
LCSD BENZ (BHL3326-BSD1)					Prepared: 12/26/2024 Analyzed: 12/31/2024					
3,3'-Dichlorobenzidine	37.3		5.00	ug/L	50.0		74.5	0-262	31.2	108
Benzidine	<50.0	U	50.0	ug/L	50.0			0-131	200	40
Surrogate: 2-Fluorobiphenyl-surr			*1.30*	*ug/L*	*2.00*		*65.1*	*32.2-138*		
Surrogate: Nitrobenzene-d5-surr			*1.22*	*ug/L*	*2.00*		*60.9*	*31.2-136*		
Surrogate: p-Terphenyl-d14-surr			*0.998*	*ug/L*	*2.00*		*49.9*	*37.6-117*		
LCS Dup (BHL3326-BSD2)					Prepared: 12/26/2024 Analyzed: 12/27/2024					
1,2,4,5-Tetrachlorobenzene	1.77	U	10.0	ug/L	2.00		88.3	60-140	6.15	40
1,2,4-Trichlorobenzene	1.72	U	10.0	ug/L	2.00		86.2	44-142	6.14	50
1,2-Diphenylhydrazine	1.49	U	20.0	ug/L	2.00		74.7	60-140	2.09	40
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy	1.97	U	10.0	ug/L	2.00		98.7	60-140	6.40	40
2,4,5-Trichlorophenol	3.62	U	10.0	ug/L	4.00		90.6	60-140	5.79	40
2,4,6-Trichlorophenol	3.62	U	10.0	ug/L	4.00		90.4	37-144	2.73	58
2,4-Dichlorophenol	3.63	U	10.0	ug/L	4.00		90.7	39-135	0.786	50
2,4-Dimethylphenol	3.46	U	10.0	ug/L	4.00		86.5	32-120	2.76	58
2,4-Dinitrophenol	9.22	U	50.0	ug/L	10.0		92.2	0-191	4.23	132
2,4-Dinitrotoluene (2,4-DNT)	1.65	U	10.0	ug/L	2.00		82.7	39-139	8.52	42
2,6-Dinitrotoluene (2,6-DNT)	1.68	U	10.0	ug/L	2.00		84.2	50-158	6.07	48
2-Chloronaphthalene	1.52	U	10.0	ug/L	2.00		76.1	60-120	1.66	24
2-Chlorophenol	2.77	U	10.0	ug/L	4.00		69.3	23-134	9.24	61
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph	3.59	U	50.0	ug/L	4.00		89.9	0-181	4.66	203
2-Nitrophenol	4.08	U	20.0	ug/L	4.00		102	29-182	0.541	55
3,4-Methylphenol	6.02	U	10.0	ug/L	8.00		75.3	60-140	0.659	40
4-Bromophenyl phenyl ether (BDE-3)	1.43	U	10.0	ug/L	2.00		71.5	53-127	5.57	43
4-Chloro-3-methylphenol	3.47	U	10.0	ug/L	4.00		86.9	22-147	3.21	73
4-Chlorophenyl phenylether	1.65	U	10.0	ug/L	2.00		82.7	25-158	0.683	61
4-Nitrophenol	9.31	U	50.0	ug/L	10.0		93.1	0-132	4.23	131
Acenaphthene	1.56	U	10.0	ug/L	2.00		77.8	47-145	0.505	48
Acenaphthylene	1.56	U	10.0	ug/L	2.00		78.0	33-145	2.62	74
Anthracene	1.43	U	10.0	ug/L	2.00		71.7	27-133	4.68	66
Benzo(a)anthracene	1.54	U	5.00	ug/L	2.00		77.1	33-143	4.77	53
Benzo(a)pyrene	1.56	U	5.00	ug/L	2.00		78.0	17-163	0.523	72
benzo(b&k)fluoranthene	3.09	U	5.00	ug/L	4.00		77.2	60-140	2.53	40
Benzo(g,h,i)perylene	1.54	U	20.0	ug/L	2.00		77.1	0-219	2.17	97
bis(2-Chloroethoxy)methane	1.76	U	10.0	ug/L	2.00		88.1	33-184	4.31	54
bis(2-Chloroethyl) ether	1.69	U	10.0	ug/L	2.00		84.7	12-158	3.91	108
Bis(2-ethylhexyl)phthalate	1.92	U	10.0	ug/L	2.00		96.2	8-158	3.24	82
Butyl benzyl phthalate	1.51	U	10.0	ug/L	2.00		75.7	0-152	8.54	60
Chrysene	1.06	U	5.00	ug/L	2.00		53.0	17-168	8.40	87
Dibenzo(a,h)anthracene	1.30	U	5.00	ug/L	2.00		65.1	0-227	1.58	126
Diethyl phthalate	1.80	U	10.0	ug/L	2.00		90.2	0-120	5.04	100
Dimethyl phthalate	1.61	U	10.0	ug/L	2.00		80.4	0-120	3.04	183
Di-n-butyl phthalate	3.23	J1, U	10.0	ug/L	2.00		162	1-120	42.7	47
Di-n-octyl phthalate	1.71	U	10.0	ug/L	2.00		85.4	4-146	3.38	69
Fluoranthene	1.38	U	10.0	ug/L	2.00		69.1	26-137	6.61	66

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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: BHL3326 - EPA 625 LLE (Continued)										
LCS Dup (BHL3326-BSD2)					Prepared: 12/26/2024 Analyzed: 12/27/2024					
Fluorene	1.56	U	10.0	ug/L	2.00		77.8	59-121	0.733	38
Hexachlorobenzene	1.35	U	5.00	ug/L	2.00		67.5	0-152	4.42	55
Hexachlorobutadiene	1.77	U	10.0	ug/L	2.00		88.4	24-120	2.09	62
Hexachlorocyclopentadiene	2.20	U	10.0	ug/L	2.00		110	60-140	4.83	40
Hexachloroethane	1.69	U	20.0	ug/L	2.00		84.6	40-120	0.994	52
Hexachlorophene	3.27	U	10.0	ug/L	4.00		81.8	60-140	8.92	40
Indeno(1,2,3-cd) pyrene	1.53	U	5.00	ug/L	2.00		76.6	0-171	0.0119	99
Isophorone	1.75	U	10.0	ug/L	2.00		87.7	21-196	3.56	93
Naphthalene	1.61	U	10.0	ug/L	2.00		80.5	21-133	0.386	65
Nitrobenzene	1.80	U	10.0	ug/L	2.00		89.9	35-180	1.05	62
n-Nitrosodiethylamine	1.73	U	20.0	ug/L	2.00		86.6	60-140	0.459	40
n-Nitrosodimethylamine	1.76	U	50.0	ug/L	10.0		17.6	4.18-37.2	3.00	40
n-Nitroso-di-n-butylamine	<20.0	U	20.0	ug/L	2.00			60-140	200	40
n-Nitrosodi-n-propylamine	1.85	U	20.0	ug/L	2.00		92.5	0-230	0.440	87
n-Nitrosodiphenylamine	0.711	J1, U	20.0	ug/L	2.00		35.5	60-140	0.300	40
Pentachlorobenzene	1.63	U	20.0	ug/L	2.00		81.7	60-140	2.59	40
Pentachlorophenol	3.49	U	5.00	ug/L	4.00		87.3	14-176	1.97	86
Phenanthrene	1.55	U	10.0	ug/L	2.00		77.3	54-120	1.48	39
Phenol, Total	3.98	U	10.0	ug/L	4.00		99.5	5-120	7.34	64
Pyrene	1.37	U	10.0	ug/L	2.00		68.3	52-120	4.00	49
Pyridine	<20.0	U	20.0	ug/L	10.0			0-137	200	40
Surrogate: 2,4,6-Tribromophenol-surr			*3.21*	*ug/L*	*4.00*		*80.3*	*33.6-139*		
Surrogate: 2-Fluorobiphenyl-surr			*1.61*	*ug/L*	*2.00*		*80.7*	*32.2-138*		
Surrogate: 2-Fluorophenol-surr			*3.78*	*ug/L*	*4.00*		*94.6*	*32.7-137*		
Surrogate: Nitrobenzene-d5-surr			*1.67*	*ug/L*	*2.00*		*83.5*	*31.2-136*		
Surrogate: Phenol-d5-surr			*3.71*	*ug/L*	*4.00*		*92.8*	*28.9-155*		
Surrogate: p-Terphenyl-d14-surr			*1.50*	*ug/L*	*2.00*		*75.0*	*37.6-117*		

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Brookshire, TX 77423

Reported:
01/27/2025 11:26

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: BHL3326 - EPA 625 LLE (Continued)										
Matrix Spike (BHL3326-MS1)	**Source: 24L3467-02**				Prepared: 12/26/2024 Analyzed: 12/27/2024					
1,2,4,5-Tetrachlorobenzene	1.57	U	10.0	ug/L	2.00	<10.0	78.3	60-140		
1,2,4-Trichlorobenzene	1.48	U	10.0	ug/L	2.00	<10.0	73.9	44-142		
1,2-Diphenylhydrazine	1.40	U	20.0	ug/L	2.00	<20.0	70.1	60-140		
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy	2.41	U	10.0	ug/L	2.00	<10.0	120	60-140		
2,4,5-Trichlorophenol	3.07	U	10.0	ug/L	4.00	<10.0	76.8	60-140		
2,4,6-Trichlorophenol	3.35	U	10.0	ug/L	4.00	<10.0	83.7	37-144		
2,4-Dichlorophenol	3.53	U	10.0	ug/L	4.00	<10.0	88.3	39-135		
2,4-Dimethylphenol	3.17	U	10.0	ug/L	4.00	<10.0	79.3	32-120		
2,4-Dinitrophenol	10.2	U	50.0	ug/L	10.0	<50.0	102	0-191		
2,4-Dinitrotoluene (2,4-DNT)	1.45	U	10.0	ug/L	2.00	<10.0	72.4	39-139		
2,6-Dinitrotoluene (2,6-DNT)	1.94	U	10.0	ug/L	2.00	<10.0	97.1	50-158		
2-Chloronaphthalene	1.50	U	10.0	ug/L	2.00	<10.0	74.8	60-120		
2-Chlorophenol	2.43	U	10.0	ug/L	4.00	<10.0	60.7	23-134		
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph	3.64	U	50.0	ug/L	4.00	<50.0	91.0	0-181		
2-Nitrophenol	4.06	U	20.0	ug/L	4.00	<20.0	102	29-182		
3,4-Methylphenol	5.65	U	10.0	ug/L	8.00	<10.0	70.7	60-140		
4-Bromophenyl phenyl ether (BDE-3)	1.35	U	10.0	ug/L	2.00	<10.0	67.4	53-127		
4-Chloro-3-methylphenol	3.06	U	10.0	ug/L	4.00	<10.0	76.4	22-147		
4-Chlorophenyl phenylether	1.47	U	10.0	ug/L	2.00	<10.0	73.7	25-158		
4-Nitrophenol	8.22	U	50.0	ug/L	10.0	<50.0	82.2	0-132		
Acenaphthene	1.37	U	10.0	ug/L	2.00	<10.0	68.6	47-145		
Acenaphthylene	1.31	U	10.0	ug/L	2.00	<10.0	65.7	33-145		
Anthracene	1.33	U	10.0	ug/L	2.00	<10.0	66.3	27-133		
Benzo(a)anthracene	1.50	U	5.00	ug/L	2.00	<5.00	75.0	33-143		
Benzo(a)pyrene	1.50	U	5.00	ug/L	2.00	<5.00	74.8	17-163		
benzo(b&k)fluoranthene	2.97	U	5.00	ug/L	4.00	<5.00	74.3	60-140		
Benzo(g,h,i)perylene	1.54	U	20.0	ug/L	2.00	<20.0	76.8	0-219		
bis(2-Chloroethoxy)methane	1.60	U	10.0	ug/L	2.00	<10.0	79.8	33-184		
bis(2-Chloroethyl) ether	1.63	U	10.0	ug/L	2.00	<10.0	81.6	12-158		
Bis(2-ethylhexyl)phthalate	2.64	U	10.0	ug/L	2.00	1.41	61.8	8-158		
Butyl benzyl phthalate	1.46	U	10.0	ug/L	2.00	<10.0	73.2	0-152		
Chrysene	1.00	U	5.00	ug/L	2.00	<5.00	50.1	17-168		
Dibenzo(a,h)anthracene	1.37	U	5.00	ug/L	2.00	<5.00	68.5	0-227		
Diethyl phthalate	1.56	U	10.0	ug/L	2.00	0.421	56.8	0-120		
Dimethyl phthalate	1.47	U	10.0	ug/L	2.00	<10.0	73.6	0-120		
Di-n-butyl phthalate	1.54	U	10.0	ug/L	2.00	<10.0	76.9	1-120		
Di-n-octyl phthalate	1.61	U	10.0	ug/L	2.00	<10.0	80.7	4-146		
Fluoranthene	1.25	U	10.0	ug/L	2.00	<10.0	62.6	26-137		
Fluorene	1.45	U	10.0	ug/L	2.00	<10.0	72.3	59-121		
Hexachlorobenzene	1.25	U	5.00	ug/L	2.00	<5.00	62.7	0-152		
Hexachlorobutadiene	1.58	U	10.0	ug/L	2.00	<10.0	79.1	24-120		
Hexachlorocyclopentadiene	3.57	J1, U	10.0	ug/L	2.00	0.485	154	60-140		
Hexachloroethane	1.52	U	20.0	ug/L	2.00	<20.0	76.2	40-120		
Hexachlorophene	4.65	U	10.0	ug/L	4.00	0.445	105	60-140		
Indeno(1,2,3-cd) pyrene	1.58	U	5.00	ug/L	2.00	<5.00	79.1	0-171		
Isophorone	1.85	U	10.0	ug/L	2.00	0.108	87.1	21-196		

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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: BHL3326 - EPA 625 LLE (Continued)										
Matrix Spike (BHL3326-MS1)	**Source: 24L3467-02**			Prepared: 12/26/2024 Analyzed: 12/27/2024						
Naphthalene	1.72	U	10.0	ug/L	2.00	0.0759	82.1	21-133		
Nitrobenzene	2.78	U	10.0	ug/L	2.00	<10.0	139	35-180		
n-Nitrosodiethylamine	1.71	U	20.0	ug/L	2.00	<20.0	85.4	60-140		
n-Nitrosodimethylamine	2.27	U	50.0	ug/L	10.0	<50.0	22.7	4.18-91		
n-Nitroso-di-n-butylamine	1.99	U	20.0	ug/L	2.00	<20.0	99.3	60-140		
n-Nitrosodi-n-propylamine	1.97	U	20.0	ug/L	2.00	<20.0	98.5	0-230		
n-Nitrosodiphenylamine	0.266	J1, U	20.0	ug/L	2.00	<20.0	13.3	60-140		
Pentachlorobenzene	1.41	U	20.0	ug/L	2.00	<20.0	70.6	60-140		
Pentachlorophenol	3.25	U	5.00	ug/L	4.00	<5.00	81.2	14-176		
Phenanthrene	1.41	U	10.0	ug/L	2.00	<10.0	70.7	54-120		
Phenol, Total	3.94	U	10.0	ug/L	4.00	0.516	85.6	5-120		
Pyrene	1.22	U	10.0	ug/L	2.00	<10.0	61.0	52-120		
Pyridine	<20.0	J1, U	20.0	ug/L	10.0	<20.0		60-140		
Surrogate: 2,4,6-Tribromophenol-surr			*2.87*	*ug/L*	*4.00*		*71.7*	*33.6-139*		
Surrogate: 2-Fluorobiphenyl-surr			*1.43*	*ug/L*	*2.00*		*71.3*	*32.2-138*		
Surrogate: 2-Fluorophenol-surr			*3.52*	*ug/L*	*4.00*		*88.1*	*32.7-137*		
Surrogate: Nitrobenzene-d5-surr			*1.90*	*ug/L*	*2.00*		*94.8*	*31.2-136*		
Surrogate: Phenol-d5-surr			*3.57*	*ug/L*	*4.00*		*89.1*	*28.9-155*		
Surrogate: p-Terphenyl-d14-surr			*1.49*	*ug/L*	*2.00*		*74.7*	*37.6-117*		
Matrix Spike Dup (BHL3326-MSD1)	**Source: 24L3467-02**			Prepared: 12/26/2024 Analyzed: 12/27/2024						
1,2,4,5-Tetrachlorobenzene	1.62	U	10.0	ug/L	2.00	<10.0	81.0	60-140	3.44	40
1,2,4-Trichlorobenzene	1.64	U	10.0	ug/L	2.00	<10.0	82.1	44-142	10.6	50
1,2-Diphenylhydrazine	1.50	U	20.0	ug/L	2.00	<20.0	74.8	60-140	6.58	40
2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy	2.56	U	10.0	ug/L	2.00	<10.0	128	60-140	5.85	40
2,4,5-Trichlorophenol	3.31	U	10.0	ug/L	4.00	<10.0	82.7	60-140	7.47	40
2,4,6-Trichlorophenol	3.63	U	10.0	ug/L	4.00	<10.0	90.8	37-144	8.14	58
2,4-Dichlorophenol	3.58	U	10.0	ug/L	4.00	<10.0	89.6	39-135	1.41	50
2,4-Dimethylphenol	3.25	U	10.0	ug/L	4.00	<10.0	81.2	32-120	2.38	58
2,4-Dinitrophenol	11.5	U	50.0	ug/L	10.0	<50.0	115	0-191	12.2	132
2,4-Dinitrotoluene (2,4-DNT)	1.65	U	10.0	ug/L	2.00	<10.0	82.6	39-139	13.3	42
2,6-Dinitrotoluene (2,6-DNT)	2.27	U	10.0	ug/L	2.00	<10.0	113	50-158	15.5	48
2-Chloronaphthalene	1.55	U	10.0	ug/L	2.00	<10.0	77.4	60-120	3.39	24
2-Chlorophenol	2.67	U	10.0	ug/L	4.00	<10.0	66.8	23-134	9.54	61
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph	4.14	U	50.0	ug/L	4.00	<50.0	103	0-181	12.9	203
2-Nitrophenol	4.59	U	20.0	ug/L	4.00	<20.0	115	29-182	12.2	55
3,4-Methylphenol	6.13	U	10.0	ug/L	8.00	<10.0	76.6	60-140	8.00	40
4-Bromophenyl phenyl ether (BDE-3)	1.47	U	10.0	ug/L	2.00	<10.0	73.6	53-127	8.91	43
4-Chloro-3-methylphenol	3.42	U	10.0	ug/L	4.00	<10.0	85.4	22-147	11.2	73
4-Chlorophenyl phenylether	1.54	U	10.0	ug/L	2.00	<10.0	76.8	25-158	4.21	61
4-Nitrophenol	8.87	U	50.0	ug/L	10.0	<50.0	88.7	0-132	7.68	131
Acenaphthene	1.50	U	10.0	ug/L	2.00	<10.0	75.2	47-145	9.11	48
Acenaphthylene	1.43	U	10.0	ug/L	2.00	<10.0	71.6	33-145	8.72	74
Anthracene	1.43	U	10.0	ug/L	2.00	<10.0	71.7	27-133	7.83	66
Benzo(a)anthracene	1.57	U	5.00	ug/L	2.00	<5.00	78.4	33-143	4.47	53

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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: BHL3326 - EPA 625 LLE (Continued)										
Matrix Spike Dup (BHL3326-MSD1)		**Source: 24L3467-02**			Prepared: 12/26/2024 Analyzed: 12/27/2024					
Benzo(a)pyrene	1.59	U	5.00	ug/L	2.00	<5.00	79.6	17-163	6.17	72
benzo(b&k)fluoranthene	3.01	U	5.00	ug/L	4.00	<5.00	75.3	60-140	1.22	40
Benzo(g,h,i)perylene	1.65	U	20.0	ug/L	2.00	<20.0	82.4	0-219	6.98	97
bis(2-Chloroethoxy)methane	2.05	U	10.0	ug/L	2.00	<10.0	102	33-184	25.0	54
bis(2-Chloroethyl) ether	1.86	U	10.0	ug/L	2.00	<10.0	92.8	12-158	12.8	108
Bis(2-ethylhexyl)phthalate	2.69	U	10.0	ug/L	2.00	1.41	63.9	8-158	1.62	82
Butyl benzyl phthalate	1.53	U	10.0	ug/L	2.00	<10.0	76.6	0-152	4.53	60
Chrysene	1.01	U	5.00	ug/L	2.00	<5.00	50.7	17-168	1.30	87
Dibenzo(a,h)anthracene	1.49	U	5.00	ug/L	2.00	<5.00	74.4	0-227	8.27	126
Diethyl phthalate	1.85	U	10.0	ug/L	2.00	0.421	71.4	0-120	17.2	100
Dimethyl phthalate	1.59	U	10.0	ug/L	2.00	<10.0	79.7	0-120	7.94	183
Di-n-butyl phthalate	1.47	U	10.0	ug/L	2.00	<10.0	73.5	1-120	4.55	47
Di-n-octyl phthalate	1.67	U	10.0	ug/L	2.00	<10.0	83.6	4-146	3.48	69
Fluoranthene	1.33	U	10.0	ug/L	2.00	<10.0	66.3	26-137	5.68	66
Fluorene	1.56	U	10.0	ug/L	2.00	<10.0	78.1	59-121	7.67	38
Hexachlorobenzene	1.36	U	5.00	ug/L	2.00	<5.00	68.0	0-152	8.25	55
Hexachlorobutadiene	1.77	U	10.0	ug/L	2.00	<10.0	88.7	24-120	11.4	62
Hexachlorocyclopentadiene	4.14	J1, L, U	10.0	ug/L	2.00	0.485	183	60-140	14.7	40
Hexachloroethane	1.72	U	20.0	ug/L	2.00	<20.0	86.0	40-120	12.0	52
Hexachlorophene	5.30	U	10.0	ug/L	4.00	0.445	121	60-140	13.1	40
Indeno(1,2,3-cd) pyrene	1.70	U	5.00	ug/L	2.00	<5.00	85.0	0-171	7.24	99
Isophorone	2.11	U	10.0	ug/L	2.00	0.108	99.9	21-196	13.0	93
Naphthalene	1.83	U	10.0	ug/L	2.00	0.0759	87.6	21-133	6.21	65
Nitrobenzene	3.09	U	10.0	ug/L	2.00	<10.0	155	35-180	10.4	62
n-Nitrosodiethylamine	1.90	U	20.0	ug/L	2.00	<20.0	95.0	60-140	10.7	40
n-Nitrosodimethylamine	2.51	U	50.0	ug/L	10.0	<50.0	25.1	4.18-91	9.88	40
n-Nitroso-di-n-butylamine	2.05	U	20.0	ug/L	2.00	<20.0	103	60-140	3.16	40
n-Nitrosodi-n-propylamine	2.19	U	20.0	ug/L	2.00	<20.0	110	0-230	10.8	87
n-Nitrosodiphenylamine	0.264	J1, U	20.0	ug/L	2.00	<20.0	13.2	60-140	0.659	40
Pentachlorobenzene	1.57	U	20.0	ug/L	2.00	<20.0	78.6	60-140	10.7	40
Pentachlorophenol	3.32	U	5.00	ug/L	4.00	<5.00	83.1	14-176	2.24	86
Phenanthrene	1.51	U	10.0	ug/L	2.00	<10.0	75.5	54-120	6.59	39
Phenol, Total	3.95	U	10.0	ug/L	4.00	0.516	85.8	5-120	0.237	64
Pyrene	1.24	U	10.0	ug/L	2.00	<10.0	62.1	52-120	1.70	49
Pyridine	<20.0	J1, U	20.0	ug/L	10.0	<20.0		60-140		40
Surrogate: 2,4,6-Tribromophenol-surr			*3.19*	*ug/L*	*4.00*		*79.9*	*33.6-139*		
Surrogate: 2-Fluorobiphenyl-surr			*1.58*	*ug/L*	*2.00*		*79.1*	*32.2-138*		
Surrogate: 2-Fluorophenol-surr			*3.73*	*ug/L*	*4.00*		*93.2*	*32.7-137*		
Surrogate: Nitrobenzene-d5-surr			*2.10*	*ug/L*	*2.00*		*105*	*31.2-136*		
Surrogate: Phenol-d5-surr			*3.48*	*ug/L*	*4.00*		*87.0*	*28.9-155*		
Surrogate: p-Terphenyl-d14-surr			*1.50*	*ug/L*	*2.00*		*74.9*	*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: BHL2567 - EPA 1657 SPE										
Blank (BHL2567-BLK1)				Prepared: 12/19/2024 Analyzed: 12/22/2024						
Azinphos-methyl (Guthion)	<0.100	U	0.100	ug/L						
Chlorpyrifos	<0.0502	U	0.0502	ug/L						
Diazinon	<0.502	U	0.502	ug/L						
Malathion	<0.100	U	0.100	ug/L						
Parathion, ethyl	<0.100	U	0.100	ug/L						
Surrogate: Tributyl Phosphate-surr			*0.182*	*ug/L*	*0.201*		*90.7*	*40-120*		
Surrogate: Triphenyl Phosphate-surr			*0.0912*	*ug/L*	*0.201*		*45.5*	*40-120*		
Blank (BHL2567-BLK2)				Prepared: 12/19/2024 Analyzed: 12/28/2024						
Demeton	<0.201	U	0.201	ug/L						
Surrogate: Tributyl Phosphate-surr			*0.205*	*ug/L*	*0.201*		*102*	*40-120*		
Surrogate: Triphenyl Phosphate-surr			*0.116*	*ug/L*	*0.201*		*57.7*	*40-120*		
LCS (BHL2567-BS1)				Prepared: 12/19/2024 Analyzed: 12/22/2024						
Azinphos-methyl (Guthion)	0.0634	J1, U	0.101	ug/L	0.252		25.2	37-150		
Chlorpyrifos	0.151		0.0504	ug/L	0.252		59.9	48-150		
Diazinon	0.181	U	0.504	ug/L	0.252		71.7	50-150		
Malathion	0.146		0.101	ug/L	0.252		57.9	50-150		
Parathion, ethyl	0.172		0.101	ug/L	0.252		68.3	50-150		
Surrogate: Tributyl Phosphate-surr			*0.228*	*ug/L*	*0.202*		*113*	*40-120*		
Surrogate: Triphenyl Phosphate-surr			*0.0948*	*ug/L*	*0.202*		*47.0*	*40-120*		
LCS (BHL2567-BS2)				Prepared: 12/19/2024 Analyzed: 12/28/2024						
Demeton	0.170	U	0.202	ug/L	0.252		67.4	16-150		
Surrogate: Tributyl Phosphate-surr			*0.197*	*ug/L*	*0.202*		*97.9*	*40-120*		
Surrogate: Triphenyl Phosphate-surr			*0.101*	*ug/L*	*0.202*		*49.9*	*40-120*		
LCS Dup (BHL2567-BSD1)				Prepared: 12/19/2024 Analyzed: 12/22/2024						
Azinphos-methyl (Guthion)	<0.101	J1, U	0.101	ug/L	0.252			37-150	200	40
Chlorpyrifos	0.0322	J1, U	0.0503	ug/L	0.252		12.8	48-150	130	40
Diazinon	<0.503	J1, U	0.503	ug/L	0.252			50-150	200	40
Malathion	<0.101	J1, U	0.101	ug/L	0.252			50-150	200	40
Parathion, ethyl	0.0243	J1, U	0.101	ug/L	0.252		9.64	50-150	151	40
Surrogate: Tributyl Phosphate-surr		*S*	*0.0321*	*ug/L*	*0.201*		*15.9*	*40-120*		
Surrogate: Triphenyl Phosphate-surr		*S*	*0.0230*	*ug/L*	*0.201*		*11.4*	*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: BHL2567 - EPA 1657 SPE (Continued)										
LCS Dup (BHL2567-BSD2)				Prepared: 12/19/2024 Analyzed: 12/28/2024						
Demeton	<0.201	J1, U	0.201	ug/L	0.252			16-150	200	40
Surrogate: Tributyl Phosphate-surr		*S*	*0.0400*	*ug/L*	*0.201*		*19.8*	*40-120*		
Surrogate: Triphenyl Phosphate-surr		*S*	*0.0244*	*ug/L*	*0.201*		*12.1*	*40-120*		
Matrix Spike (BHL2567-MS1)		**Source: 24L2586-02**		Prepared: 12/19/2024 Analyzed: 12/22/2024						
Azinphos-methyl (Guthion)	<0.0956	J1, U	0.0956	ug/L	0.239	<0.0956		25-150		
Chlorpyrifos	0.0795		0.0478	ug/L	0.239	<0.0478	33.3	25-150		
Diazinon	0.0853	U	0.478	ug/L	0.239	<0.478	35.7	25-150		
Malathion	0.0645	U	0.0956	ug/L	0.239	<0.0956	27.0	25-150		
Parathion, ethyl	0.0921	U	0.0956	ug/L	0.239	<0.0956	38.6	25-150		
Surrogate: Tributyl Phosphate-surr			*0.108*	*ug/L*	*0.191*		*56.7*	*40-120*		
Surrogate: Triphenyl Phosphate-surr		*S*	*0.0512*	*ug/L*	*0.191*		*26.8*	*40-120*		
Matrix Spike (BHL2567-MS2)		**Source: 24L2586-02RE1**		Prepared: 12/19/2024 Analyzed: 12/28/2024						
Demeton	<0.191	J1, U	0.191	ug/L	0.239	<0.191		25-150		
Surrogate: Tributyl Phosphate-surr			*0.0951*	*ug/L*	*0.191*		*49.8*	*40-120*		
Surrogate: Triphenyl Phosphate-surr		*S*	*0.0498*	*ug/L*	*0.191*		*26.1*	*40-120*		
Matrix Spike Dup (BHL2567-MSD1)		**Source: 24L2586-02**		Prepared: 12/19/2024 Analyzed: 12/22/2024						
Azinphos-methyl (Guthion)	<0.100	J1, U	0.100	ug/L	0.240	<0.100		25-150		40
Chlorpyrifos	0.113		0.0500	ug/L	0.240	<0.0500	47.0	25-150	34.4	40
Diazinon	0.157	J1, U	0.500	ug/L	0.240	<0.500	65.4	25-150	59.1	40
Malathion	0.144	J1	0.100	ug/L	0.240	<0.100	60.1	25-150	76.2	40
Parathion, ethyl	0.221	J1	0.100	ug/L	0.240	<0.100	92.4	25-150	82.5	40
Surrogate: Tributyl Phosphate-surr		*S*	*0.232*	*ug/L*	*0.192*		*121*	*40-120*		
Surrogate: Triphenyl Phosphate-surr			*0.122*	*ug/L*	*0.192*		*63.7*	*40-120*		
Matrix Spike Dup (BHL2567-MSD2)		**Source: 24L2586-02RE1**		Prepared: 12/19/2024 Analyzed: 12/28/2024						
Demeton	<0.192	J1, U	0.192	ug/L	0.240	<0.192		25-150		40
Surrogate: Tributyl Phosphate-surr			*0.205*	*ug/L*	*0.192*		*107*	*40-120*		
Surrogate: Triphenyl Phosphate-surr			*0.120*	*ug/L*	*0.192*		*62.4*	*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: BHL2749 - SM 6640 B										
Blank (BHL2749-BLK1)				Prepared: 12/20/2024 Analyzed: 01/01/2025						
2,4-D	<0.236	U	0.236	ug/L						
Silvex (2,4,5-TP)	<0.238	U	0.238	ug/L						
Surrogate: DCAA-surr			*26.5*	*ug/L*	*25.0*		*106*	*70-130*		
LCS (BHL2749-BS1)				Prepared: 12/20/2024 Analyzed: 01/01/2025						
2,4-D	5.21		0.236	ug/L	5.15		101	70-130		
Silvex (2,4,5-TP)	4.50		0.238	ug/L	5.00		90.0	70-130		
Surrogate: DCAA-surr		*S*	*33.4*	*ug/L*	*25.0*		*134*	*70-130*		
LCS Dup (BHL2749-BSD1)				Prepared: 12/20/2024 Analyzed: 01/01/2025						
2,4-D	4.98		0.235	ug/L	5.12		97.2	70-130	4.44	30
Silvex (2,4,5-TP)	4.41		0.237	ug/L	4.98		88.6	70-130	2.04	30
Surrogate: DCAA-surr			*28.4*	*ug/L*	*24.9*		*114*	*70-130*		
Matrix Spike (BHL2749-MS1)		**Source: 24L3467-02**		Prepared: 12/20/2024 Analyzed: 01/01/2025						
2,4-D	4.83		0.236	ug/L	5.15	<0.236	93.9	70-130		
Silvex (2,4,5-TP)	4.00		0.238	ug/L	5.00	<0.238	80.0	70-130		
Surrogate: DCAA-surr			*21.5*	*ug/L*	*25.0*		*85.9*	*70-130*		
Matrix Spike Dup (BHL2749-MSD1)		**Source: 24L3467-02**		Prepared: 12/20/2024 Analyzed: 01/01/2025						
2,4-D	4.40		0.236	ug/L	5.14	<0.236	85.5	70-130	9.47	30
Silvex (2,4,5-TP)	4.02		0.238	ug/L	4.99	<0.238	80.6	70-130	0.599	30
Surrogate: DCAA-surr			*19.3*	*ug/L*	*25.0*		*77.4*	*70-130*		
Batch: BHL3303 - EPA 1657 SPE										
Blank (BHL3303-BLK1)				Prepared: 12/26/2024 Analyzed: 12/27/2024						
Azinphos-methyl (Guthion)	<0.0998	U	0.0998	ug/L						
Chlorpyrifos	<0.0499	U	0.0499	ug/L						
Demeton	<0.200	U	0.200	ug/L						
Diazinon	<0.499	U	0.499	ug/L						
Malathion	<0.0998	U	0.0998	ug/L						
Parathion, ethyl	<0.0998	U	0.0998	ug/L						
Surrogate: Tributyl Phosphate-surr		*S*	*0.325*	*ug/L*	*0.200*		*163*	*40-120*		
Surrogate: Triphenyl Phosphate-surr			*0.201*	*ug/L*	*0.200*		*100*	*40-120*		

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Quality Control
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Organics by GC (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHL3303 - EPA 1657 SPE (Continued)										
LCS (BHL3303-BS1)					Prepared: 12/26/2024 Analyzed: 12/27/2024					
Azinphos-methyl (Guthion)	0.162		0.0997	ug/L	0.249		64.9	37-150		
Chlorpyrifos	0.144		0.0498	ug/L	0.249		57.8	48-150		
Demeton	0.141	U	0.199	ug/L	0.249		56.7	16-150		
Diazinon	0.192	U	0.498	ug/L	0.249		77.1	50-150		
Malathion	0.126		0.0997	ug/L	0.249		50.5	50-150		
Parathion, ethyl	0.158		0.0997	ug/L	0.249		63.5	50-150		
Surrogate: Tributyl Phosphate-surr			*0.193*	*ug/L*	*0.199*		*97.0*	*40-120*		
Surrogate: Triphenyl Phosphate-surr			*0.109*	*ug/L*	*0.199*		*54.6*	*40-120*		
LCS Dup (BHL3303-BSD1)					Prepared: 12/26/2024 Analyzed: 12/27/2024					
Azinphos-methyl (Guthion)	0.290	J1	0.100	ug/L	0.250		116	37-150	56.8	40
Chlorpyrifos	0.241	J1	0.0500	ug/L	0.250		96.4	48-150	50.4	40
Demeton	0.256	J1	0.200	ug/L	0.250		102	16-150	57.8	40
Diazinon	0.323	J1, U	0.500	ug/L	0.250		129	50-150	50.9	40
Malathion	0.202	J1	0.100	ug/L	0.250		80.8	50-150	46.6	40
Parathion, ethyl	0.275	J1	0.100	ug/L	0.250		110	50-150	53.9	40
Surrogate: Tributyl Phosphate-surr		*S*	*0.291*	*ug/L*	*0.200*		*145*	*40-120*		
Surrogate: Triphenyl Phosphate-surr			*0.175*	*ug/L*	*0.200*		*87.4*	*40-120*		
Matrix Spike (BHL3303-MS1)		**Source: 24L3467-02RE2**			Prepared: 12/26/2024 Analyzed: 12/28/2024					
Azinphos-methyl (Guthion)	0.228		0.0999	ug/L	0.250	<0.0999	91.3	25-150		
Chlorpyrifos	0.232		0.0500	ug/L	0.250	<0.0500	93.0	25-150		
Demeton	0.346		0.200	ug/L	0.250	<0.200	139	25-150		
Diazinon	0.259	U	0.500	ug/L	0.250	<0.500	104	25-150		
Malathion	0.167		0.0999	ug/L	0.250	<0.0999	66.9	25-150		
Parathion, ethyl	0.258		0.0999	ug/L	0.250	<0.0999	103	25-150		
Surrogate: Tributyl Phosphate-surr		*S*	*0.260*	*ug/L*	*0.200*		*130*	*40-120*		
Surrogate: Triphenyl Phosphate-surr			*0.171*	*ug/L*	*0.200*		*85.5*	*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: BHL3303 - EPA 1657 SPE (Continued)										
Matrix Spike Dup (BHL3303-MSD1)			**Source: 24L3467-02RE2**		Prepared: 12/26/2024 Analyzed: 12/28/2024					
Azinphos-methyl (Guthion)	0.211		0.100	ug/L	0.251	<0.100	84.2	25-150	7.81	40
Chlorpyrifos	0.225		0.0501	ug/L	0.251	<0.0501	89.7	25-150	3.26	40
Demeton	0.335		0.201	ug/L	0.251	<0.201	133	25-150	3.33	40
Diazinon	0.257	U	0.501	ug/L	0.251	<0.501	102	25-150	0.668	40
Malathion	0.166		0.100	ug/L	0.251	<0.100	66.0	25-150	0.895	40
Parathion, ethyl	0.248		0.100	ug/L	0.251	<0.100	98.9	25-150	4.20	40
Surrogate: Tributyl Phosphate-surr		*S*	*0.253*	*ug/L*	*0.201*		*126*	*40-120*		
Surrogate: Triphenyl Phosphate-surr			*0.159*	*ug/L*	*0.201*		*79.1*	*40-120*		

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Quality Control
(Continued)

Metals, Total

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHL2327 - EPA 1631										
Blank (BHL2327-BLK1)					Prepared: 12/17/2024 Analyzed: 12/18/2024					
Mercury	<0.00500	U	0.00500	ug/L						
Blank (BHL2327-BLK2)					Prepared: 12/17/2024 Analyzed: 12/18/2024					
Mercury	<0.00500	U	0.00500	ug/L						
Blank (BHL2327-BLK3)					Prepared: 12/17/2024 Analyzed: 12/18/2024					
Mercury	<0.00500	U	0.00500	ug/L						
Matrix Spike (BHL2327-MS1)		**Source: 24K0808-03**			Prepared: 12/17/2024 Analyzed: 12/18/2024					
Mercury	0.0125	J1	0.00500	ug/L	0.0100	0.00803	44.4	71-125		
Matrix Spike (BHL2327-MS2)		**Source: 24L0510-02**			Prepared: 12/17/2024 Analyzed: 12/18/2024					
Mercury	0.0260	J1	0.00500	ug/L	0.0100	0.0274	NR	71-125		
Matrix Spike Dup (BHL2327-MSD1)		**Source: 24K0808-03**			Prepared: 12/17/2024 Analyzed: 12/18/2024					
Mercury	0.0115	J1	0.00500	ug/L	0.0100	0.00803	34.8	71-125	8.02	24
Matrix Spike Dup (BHL2327-MSD2)		**Source: 24L0510-02**			Prepared: 12/17/2024 Analyzed: 12/18/2024					
Mercury	0.0262	J1	0.00500	ug/L	0.0100	0.0274	NR	71-125	1.10	24
Batch: BHL2686 - EPA 1631										
Blank (BHL2686-BLK1)					Prepared: 12/19/2024 Analyzed: 12/22/2024					
Mercury	<0.00500	U	0.00500	ug/L						
Blank (BHL2686-BLK2)					Prepared: 12/19/2024 Analyzed: 12/22/2024					
Mercury	<0.00500	U	0.00500	ug/L						

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Quality Control
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Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHL2686 - EPA 1631 (Continued)										
Blank (BHL2686-BLK3)					Prepared: 12/19/2024 Analyzed: 12/22/2024					
Mercury	<0.00500	U	0.00500	ug/L						
Matrix Spike (BHL2686-MS1)			**Source: 24L0512-02**		Prepared: 12/19/2024 Analyzed: 12/22/2024					
Mercury	2.73	J1	0.526	ug/L	0.0526	2.81	NR	71-125		
Matrix Spike Dup (BHL2686-MSD1)			**Source: 24L0512-02**		Prepared: 12/19/2024 Analyzed: 12/22/2024					
Mercury	2.76	J1	0.526	ug/L	0.0526	2.81	NR	71-125	1.35	24
Batch: BHL3028 - EPA 1631										
Blank (BHL3028-BLK1)					Prepared: 12/23/2024 Analyzed: 12/26/2024					
Mercury	<0.00500	U	0.00500	ug/L						
Blank (BHL3028-BLK2)					Prepared: 12/23/2024 Analyzed: 12/26/2024					
Mercury	<0.00500	U	0.00500	ug/L						
Blank (BHL3028-BLK3)					Prepared: 12/23/2024 Analyzed: 12/26/2024					
Mercury	<0.00500	U	0.00500	ug/L						
Matrix Spike (BHL3028-MS1)			**Source: 24L3467-05**		Prepared: 12/23/2024 Analyzed: 12/26/2024					
Mercury	<0.00526	J1, U	0.00526	ug/L	0.0526	<0.00526		71-125		
Matrix Spike Dup (BHL3028-MSD1)			**Source: 24L3467-05**		Prepared: 12/23/2024 Analyzed: 12/26/2024					
Mercury	<0.00526	J1, U	0.00526	ug/L	0.0526	<0.00526		71-125		24
Batch: BHL3178 - EPA 200.8										
Blank (BHL3178-BLK1)					Prepared: 12/26/2024 Analyzed: 12/27/2024					
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	<3.00	U	3.00	ug/L						
Copper	<2.00	U	2.00	ug/L						
Lead	<0.500	U	0.500	ug/L						
Nickel	<2.00	U	2.00	ug/L						
Selenium	<5.00	U	5.00	ug/L						
Thallium	<0.500	U	0.500	ug/L						
Zinc	<5.00	U	5.00	ug/L						

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Quality Control
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Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHL3178 - EPA 200.8 (Continued)										
Blank (BHL3178-BLK2)					Prepared: 12/26/2024 Analyzed: 12/27/2024					
Arsenic	<0.500	U	0.500	ug/L						
Blank (BHL3178-BLK3)					Prepared: 12/26/2024 Analyzed: 12/27/2024					
Aluminum	<5.00	U	5.00	ug/L						
Blank (BHL3178-BLK4)					Prepared: 12/26/2024 Analyzed: 01/02/2025					
Silver	<0.500	U	0.500	ug/L						
LCS (BHL3178-BS1)					Prepared: 12/26/2024 Analyzed: 12/27/2024					
Antimony	102		1.00	ug/L	100		102	85-115		
Barium	297		3.00	ug/L	300		98.9	85-115		
Beryllium	20.0		0.200	ug/L	20.0		100	85-115		
Cadmium	103		1.00	ug/L	100		103	85-115		
Chromium	302		3.00	ug/L	300		101	85-115		
Copper	102		2.00	ug/L	100		102	85-115		
Lead	51.0		0.500	ug/L	50.0		102	85-115		
Nickel	103		2.00	ug/L	100		103	85-115		
Selenium	198		5.00	ug/L	200		98.9	85-115		
Thallium	51.3		0.500	ug/L	50.0		103	85-115		
Zinc	201		4.00	ug/L	200		100	85-115		
LCS (BHL3178-BS2)					Prepared: 12/26/2024 Analyzed: 12/27/2024					
Arsenic	49.4		0.500	ug/L	50.0		98.8	85-115		
LCS (BHL3178-BS3)					Prepared: 12/26/2024 Analyzed: 12/27/2024					
Aluminum	232		5.00	ug/L	250		92.8	85-115		
LCS (BHL3178-BS4)					Prepared: 12/26/2024 Analyzed: 01/02/2025					
Silver	55.2		0.500	ug/L	50.0		110	85-115		

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Quality Control
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Metals, Total (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHL3178 - EPA 200.8 (Continued)										
Duplicate (BHL3178-DUP1)		**Source: 24L3467-02**		Prepared: 12/26/2024 Analyzed: 12/27/2024						
Antimony	0.763	U	1.00	ug/L		0.851			10.9	20
Barium	59.1		3.00	ug/L		51.8			13.1	20
Beryllium	<0.200	U	0.200	ug/L		<0.200				20
Cadmium	<1.00	U	1.00	ug/L		0.0270			200	20
Chromium	0.303	U	3.00	ug/L		0.334			9.73	20
Copper	5.43		2.00	ug/L		4.46			19.6	20
Lead	0.218	U	0.500	ug/L		0.153			35.0	20
Nickel	2.32		2.00	ug/L		2.14			8.08	20
Selenium	0.511	U	5.00	ug/L		0.614			18.3	20
Thallium	<0.500	U	0.500	ug/L		<0.500				20
Zinc	29.7		4.00	ug/L		24.3			19.7	20
Duplicate (BHL3178-DUP2)		**Source: 24L3522-02**		Prepared: 12/26/2024 Analyzed: 12/27/2024						
Antimony	0.741	U	1.00	ug/L		0.752			1.47	20
Barium	131		3.00	ug/L		131			0.388	20
Beryllium	<0.200	U	0.200	ug/L		<0.200				20
Cadmium	<1.00	U	1.00	ug/L		<1.00				20
Chromium	0.451	U	3.00	ug/L		0.501			10.5	20
Copper	4.38		2.00	ug/L		4.39			0.137	20
Lead	0.134	U	0.500	ug/L		0.140			4.38	20
Nickel	1.79	U	2.00	ug/L		1.81			1.17	20
Selenium	0.457	U	5.00	ug/L		0.377			19.2	20
Thallium	<0.500	U	0.500	ug/L		<0.500				20
Zinc	41.3		4.00	ug/L		40.7			1.39	20
Duplicate (BHL3178-DUP3)		**Source: 24L3467-02**		Prepared: 12/26/2024 Analyzed: 12/27/2024						
Arsenic	0.653		0.500	ug/L		0.642			1.70	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: BHL3178 - EPA 200.8 (Continued)										
Duplicate (BHL3178-DUP4)		**Source: 24L3522-02**		Prepared: 12/26/2024 Analyzed: 12/27/2024						
Arsenic	1.42		0.500	ug/L		1.57			10.5	20
Duplicate (BHL3178-DUP5)		**Source: 24L3467-02**		Prepared: 12/26/2024 Analyzed: 12/27/2024						
Aluminum	36.7	J1	5.00	ug/L		14.1			89.1	20
Duplicate (BHL3178-DUP6)		**Source: 24L3522-02**		Prepared: 12/26/2024 Analyzed: 12/27/2024						
Aluminum	22.6		5.00	ug/L		22.1			2.54	20
Duplicate (BHL3178-DUP7)		**Source: 24L3467-02**		Prepared: 12/26/2024 Analyzed: 01/02/2025						
Silver	0.0210	U	0.500	ug/L		0.0290			32.0	20
Duplicate (BHL3178-DUP8)		**Source: 24L3522-02**		Prepared: 12/26/2024 Analyzed: 01/02/2025						
Silver	0.0570	U	0.500	ug/L		0.0100			140	20
Matrix Spike (BHL3178-MS1)		**Source: 24L3467-02**		Prepared: 12/26/2024 Analyzed: 12/27/2024						
Antimony	103		1.00	ug/L	100	0.851	102	75-125		
Barium	367		3.00	ug/L	300	51.8	105	75-125		
Beryllium	18.8		0.200	ug/L	20.0	<0.200	94.2	75-125		
Cadmium	98.6		1.00	ug/L	100	0.0270	98.5	75-125		
Chromium	298		3.00	ug/L	300	0.334	99.1	75-125		
Copper	108		2.00	ug/L	100	4.46	104	75-125		
Lead	49.1		0.500	ug/L	50.0	0.153	98.0	75-125		
Nickel	104		2.00	ug/L	100	2.14	102	75-125		
Selenium	182		5.00	ug/L	200	0.614	90.5	75-125		
Thallium	49.0		0.500	ug/L	50.0	<0.500	98.0	75-125		
Zinc	220		4.00	ug/L	200	24.3	98.0	75-125		
Matrix Spike (BHL3178-MS2)		**Source: 24L3522-02**		Prepared: 12/26/2024 Analyzed: 12/27/2024						
Antimony	98.9		1.00	ug/L	100	0.752	98.1	75-125		
Barium	411		3.00	ug/L	300	131	93.4	75-125		
Beryllium	18.5		0.200	ug/L	20.0	<0.200	92.4	75-125		
Cadmium	96.6		1.00	ug/L	100	<1.00	96.6	75-125		
Chromium	277		3.00	ug/L	300	0.501	92.1	75-125		
Copper	94.2		2.00	ug/L	100	4.39	89.8	75-125		
Lead	47.5		0.500	ug/L	50.0	0.140	94.7	75-125		
Nickel	92.4		2.00	ug/L	100	1.81	90.6	75-125		
Selenium	182		5.00	ug/L	200	0.377	90.8	75-125		
Thallium	47.7		0.500	ug/L	50.0	<0.500	95.5	75-125		
Zinc	225		4.00	ug/L	200	40.7	92.3	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: BHL3178 - EPA 200.8 (Continued)										
Matrix Spike (BHL3178-MS3)		**Source: 24L3467-02**			Prepared: 12/26/2024 Analyzed: 12/27/2024					
Arsenic	53.5		0.500	ug/L	50.0	0.642	106	75-125		
Matrix Spike (BHL3178-MS4)		**Source: 24L3522-02**			Prepared: 12/26/2024 Analyzed: 12/27/2024					
Arsenic	50.6		0.500	ug/L	50.0	1.57	98.1	75-125		
Matrix Spike (BHL3178-MS5)		**Source: 24L3467-02**			Prepared: 12/26/2024 Analyzed: 12/27/2024					
Aluminum	304		5.00	ug/L	250	14.1	116	75-125		
Matrix Spike (BHL3178-MS6)		**Source: 24L3522-02**			Prepared: 12/26/2024 Analyzed: 12/27/2024					
Aluminum	248		5.00	ug/L	250	22.1	90.4	75-125		
Matrix Spike (BHL3178-MS7)		**Source: 24L3467-02**			Prepared: 12/26/2024 Analyzed: 01/02/2025					
Silver	55.8		0.500	ug/L	50.0	0.0290	112	75-125		
Matrix Spike (BHL3178-MS8)		**Source: 24L3522-02**			Prepared: 12/26/2024 Analyzed: 01/02/2025					
Silver	54.7		0.500	ug/L	50.0	0.0100	109	75-125		

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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: BHL2841 - Cr VI										
Matrix Spike (BHL2841-MS1)		**Source: 24L3467-02**			Prepared & Analyzed: 12/20/2024					
Chromium (VI)	152	J1	3.00	ug/L	250	3.16	59.5	70-130		
Matrix Spike Dup (BHL2841-MSD1)		**Source: 24L3467-02**			Prepared & Analyzed: 12/20/2024					
Chromium (VI)	157	J1	3.00	ug/L	250	3.16	61.5	70-130	3.33	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: BHL2630 - EPA 300.0										
Duplicate (BHL2630-DUP1)		**Source: 24L3298-02**			Prepared & Analyzed: 12/19/2024					
Sulfate	45.9		1.00	mg/L		45.8			0.159	15
Fluoride	0.580		0.250	mg/L		0.580			0.00	15
Chloride	108		20.0	mg/L		110			1.89	15
Nitrate as N	28400		2000	ug/L		28900			1.67	15
Nitrite as N	<50.0	U	50.0	ug/L		<50.0				15
Duplicate (BHL2630-DUP2)		**Source: 24L3556-02**			Prepared & Analyzed: 12/19/2024					
Chloride	114		20.0	mg/L		117			2.48	15
Sulfate	47.4		1.00	mg/L		47.2			0.262	15
Fluoride	0.575		0.250	mg/L		0.576			0.174	15
Nitrate as N	30400		2000	ug/L		31300			3.05	15
Nitrite as N	<50.0	U	50.0	ug/L		<50.0				15
MRL Check (BHL2630-MRL1)					Prepared & Analyzed: 12/19/2024					
Nitrate as N	110		100	ug/L	100		110	50-150		
Fluoride	0.285		0.250	mg/L	0.250		114	50-150		
Chloride	1.07		1.00	mg/L	1.00		107	50-150		
Nitrite as N	51.0		50.0	ug/L	50.0		102	50-150		
Sulfate	1.09		1.00	mg/L	1.00		109	50-150		
Matrix Spike (BHL2630-MS1)		**Source: 24L3298-02**			Prepared & Analyzed: 12/19/2024					
Nitrate as N	30800		2220	ug/L	2220	28900	85.5	80-120		
Chloride	122		22.2	mg/L	11.1	110	108	80-120		
Sulfate	68.8		1.11	mg/L	22.2	45.8	103	80-120		
Nitrite as N	1620	J1	55.6	ug/L	1110	<55.6	146	80-120		
Fluoride	5.66		0.278	mg/L	5.56	0.580	91.4	80-120		
Matrix Spike (BHL2630-MS2)		**Source: 24L3556-02**			Prepared & Analyzed: 12/19/2024					
Nitrate as N	32900	J1	2220	ug/L	2220	31300	70.5	80-120		
Fluoride	5.90		0.278	mg/L	5.56	0.576	95.8	80-120		
Chloride	128		22.2	mg/L	11.1	117	100	80-120		
Nitrite as N	1690	J1	55.6	ug/L	1110	<55.6	152	80-120		
Sulfate	71.6		1.11	mg/L	22.2	47.2	110	80-120		

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Quality Control
(Continued)

General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHL2723 - Phosphorus EPA 365.1										
LCS (BHL2723-BS1)					Prepared: 12/19/2024 Analyzed: 12/20/2024					
Total Phosphorus	0.254		0.0100	mg/L	0.250		101	90-110		
Matrix Spike (BHL2723-MS1)			**Source: 24L3305-03**		Prepared: 12/19/2024 Analyzed: 12/20/2024					
Total Phosphorus	18.0		0.500	mg/L	12.5	5.63	98.6	80-120		
Matrix Spike (BHL2723-MS2)			**Source: 24L3198-04**		Prepared: 12/19/2024 Analyzed: 12/20/2024					
Total Phosphorus	16.3		0.500	mg/L	12.5	3.90	99.1	80-120		
Matrix Spike Dup (BHL2723-MSD1)			**Source: 24L3305-03**		Prepared: 12/19/2024 Analyzed: 12/20/2024					
Total Phosphorus	18.2		0.500	mg/L	12.5	5.63	101	80-120	1.55	20
Matrix Spike Dup (BHL2723-MSD2)			**Source: 24L3198-04**		Prepared: 12/19/2024 Analyzed: 12/20/2024					
Total Phosphorus	16.7		0.500	mg/L	12.5	3.90	103	80-120	2.69	20
Batch: BHL2726 - TDS										
Blank (BHL2726-BLK1)					Prepared: 12/20/2024 Analyzed: 12/23/2024					
Residue-filterable (TDS)	<10.0	U	10.0	mg/L						
LCS (BHL2726-BS1)					Prepared: 12/20/2024 Analyzed: 12/23/2024					
Residue-filterable (TDS)	150		10.0	mg/L	150		100	90-110		
Duplicate (BHL2726-DUP1)			**Source: 24L3556-02**		Prepared: 12/20/2024 Analyzed: 12/23/2024					
Residue-filterable (TDS)	584		10.0	mg/L		594			1.70	10
Batch: BHL2727 - Alkalinity										
Blank (BHL2727-BLK1)					Prepared & Analyzed: 12/20/2024					
Conductivity	<2.00	U	2.00	umhos/cm @ 25 °C						

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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: BHL2727 - Alkalinity (Continued)										
LCS (BHL2727-BS1)					Prepared & Analyzed: 12/20/2024					
Conductivity	1410			umhos/cm @ 25 °C	1410		100	90-110		
QCS (BHL2727-BS2)					Prepared & Analyzed: 12/20/2024					
Conductivity	534			umhos/cm @ 25 °C	500		107	90-110		
LCS (BHL2727-BS4)					Prepared & Analyzed: 12/20/2024					
Alkalinity as CaCO3	97.4			mg/L	100		97.4	90-110		
Duplicate (BHL2727-DUP1)		**Source: 24L2289-01**			Prepared & Analyzed: 12/20/2024					
Alkalinity as CaCO3	86.4		10.0	mg/L		86.0			0.499	15
Conductivity	2510		2.00	umhos/cm @ 25 °C		2470			1.61	15
Duplicate (BHL2727-DUP2)		**Source: 24L3556-06**			Prepared & Analyzed: 12/20/2024					
Alkalinity as CaCO3	101		10.0	mg/L		97.9			3.18	15
Conductivity	1060		2.00	umhos/cm @ 25 °C		1040			1.71	15
Batch: BHL2732 - TSS										
Blank (BHL2732-BLK1)					Prepared: 12/20/2024 Analyzed: 12/23/2024					
Residue-nonfilterable (TSS)	<1.00	U	1.00	mg/L						
LCS (BHL2732-BS1)					Prepared: 12/20/2024 Analyzed: 12/23/2024					
Residue-nonfilterable (TSS)	96.3		1.00	mg/L	100		96.3	85-115		
Duplicate (BHL2732-DUP1)		**Source: 24L0440-01**			Prepared: 12/20/2024 Analyzed: 12/23/2024					
Residue-nonfilterable (TSS)	2.95		1.00	mg/L		2.95			0.00	10

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General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHL2732 - TSS (Continued)										
Duplicate (BHL2732-DUP2)		**Source: 24L3498-01**		Prepared: 12/20/2024 Analyzed: 12/23/2024						
Residue-nonfilterable (TSS)	4.42		1.00	mg/L		4.42			0.00	10
Batch: BHL2736 - CBOD-5210										
LCS (BHL2736-BS1)				Prepared: 12/20/2024 Analyzed: 12/25/2024						
Carbonaceous BOD (CBOD)	186			mg/L	198		94.0	85-115		
Duplicate (BHL2736-DUP1)		**Source: 24L3482-02**		Prepared: 12/20/2024 Analyzed: 12/25/2024						
Carbonaceous BOD (CBOD)	<2.40	U	2.40	mg/L		2.65			200	40
Duplicate (BHL2736-DUP2)		**Source: 24L3478-04**		Prepared: 12/20/2024 Analyzed: 12/25/2024						
Carbonaceous BOD (CBOD)	3.31		2.40	mg/L		3.93			17.1	40
Duplicate (BHL2736-DUP3)		**Source: 24L3480-04**		Prepared: 12/20/2024 Analyzed: 12/25/2024						
Carbonaceous BOD (CBOD)	<2.40	U	2.40	mg/L		3.04			200	40
Duplicate (BHL2736-DUP4)		**Source: 24L3549-02**		Prepared: 12/20/2024 Analyzed: 12/25/2024						
Carbonaceous BOD (CBOD)	3.88		2.40	mg/L		3.68			5.45	40
Duplicate (BHL2736-DUP5)		**Source: 24L0537-01**		Prepared: 12/20/2024 Analyzed: 12/25/2024						
Carbonaceous BOD (CBOD)	33.5	J1	2.40	mg/L		27.0			21.6	20
Duplicate (BHL2736-DUP6)		**Source: 24L3467-02**		Prepared: 12/20/2024 Analyzed: 12/25/2024						
Carbonaceous BOD (CBOD)	4.21		2.40	mg/L		4.04			4.00	40
Duplicate (BHL2736-DUP7)		**Source: 24L3697-01**		Prepared: 12/20/2024 Analyzed: 12/25/2024						
Carbonaceous BOD (CBOD)	257		50.0	mg/L		281			9.03	20

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Quality Control
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General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHL2739 - EPA 1664										
Blank (BHL2739-BLK1)					Prepared & Analyzed: 12/20/2024					
n-Hexane Extractable Material (O&G)	<5.00	U	5.00	mg/L						
LCS (BHL2739-BS1)					Prepared & Analyzed: 12/20/2024					
n-Hexane Extractable Material (O&G)	42.0		5.00	mg/L	40.0		105	77.5-114.5		
LCS Dup (BHL2739-BSD1)					Prepared & Analyzed: 12/20/2024					
n-Hexane Extractable Material (O&G)	43.8		5.00	mg/L	40.0		109	77.5-114.5	4.13	20
Matrix Spike (BHL2739-MS1)		**Source: 24L3395-01**			Prepared & Analyzed: 12/20/2024					
n-Hexane Extractable Material (O&G)	38.9		5.00	mg/L	40.0	<5.00	97.1	77.5-114.5		
Batch: BHL2840 - TKN T										
Blank (BHL2840-BLK1)					Prepared: 12/20/2024 Analyzed: 12/23/2024					
Total Kjeldahl Nitrogen - (TKN)	<1.00	U	1.00	mg/L						
LCS (BHL2840-BS1)					Prepared: 12/20/2024 Analyzed: 12/23/2024					
Total Kjeldahl Nitrogen - (TKN)	2.58		1.00	mg/L	2.60		99.1	85-115		
Duplicate (BHL2840-DUP1)		**Source: 24L0460-02**			Prepared: 12/20/2024 Analyzed: 12/23/2024					
Total Kjeldahl Nitrogen - (TKN)	0.448	J1, U	1.00	mg/L		0.224			66.7	20
Matrix Spike (BHL2840-MS1)		**Source: 24L0460-02**			Prepared: 12/20/2024 Analyzed: 12/23/2024					
Total Kjeldahl Nitrogen - (TKN)	3.92		1.00	mg/L	4.00	0.224	92.4	85-115		
Batch: BHL2844 - NH3-N SEAL-350.1										
Matrix Spike (BHL2844-MS1)		**Source: 24L0452-01**			Prepared & Analyzed: 12/20/2024					
Ammonia as N	0.230		0.0401	mg/L	0.200	0.0250	103	90-110		

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General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHL2844 - NH3-N SEAL-350.1 (Continued)										
Matrix Spike (BHL2844-MS2)			**Source: 24L3728-02**		Prepared & Analyzed: 12/20/2024					
Ammonia as N	0.280		0.0401	mg/L	0.200	0.0750	102	90-110		
Matrix Spike Dup (BHL2844-MSD1)			**Source: 24L0452-01**		Prepared & Analyzed: 12/20/2024					
Ammonia as N	0.232		0.0401	mg/L	0.200	0.0250	104	90-110	0.866	20
Matrix Spike Dup (BHL2844-MSD2)			**Source: 24L3728-02**		Prepared & Analyzed: 12/20/2024					
Ammonia as N	0.286		0.0401	mg/L	0.200	0.0750	105	90-110	2.13	20
Batch: BHL2967 - CN-4500										
Blank (BHL2967-BLK1)					Prepared & Analyzed: 12/23/2024					
Total Cyanide	<10.0	U	10.0	ug/L						
LCS (BHL2967-BS1)					Prepared & Analyzed: 12/23/2024					
Total Cyanide	190		10.0	ug/L	200		94.8	90-110		
QCS (BHL2967-BS2)					Prepared & Analyzed: 12/23/2024					
Total Cyanide	195		10.0	ug/L	200		97.4	90-110		
MRL Check (BHL2967-MRL1)					Prepared & Analyzed: 12/23/2024					
Total Cyanide	11.2		10.0	ug/L	10.0		112	50-150		
Matrix Spike (BHL2967-MS1)			**Source: 24L3019-01**		Prepared & Analyzed: 12/23/2024					
Total Cyanide	196		10.0	ug/L	200	<10.0	98.0	80-120		
Matrix Spike Dup (BHL2967-MSD1)			**Source: 24L3019-01**		Prepared & Analyzed: 12/23/2024					
Total Cyanide	196		10.0	ug/L	200	<10.0	97.9	80-120	0.0817	20

* 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

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
01/27/2025 11:26

Quality Control
(Continued)

Microbiology

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BHL2678 - TC EC Quantitray										
Blank (BHL2678-BLK1)					Prepared: 12/19/2024 Analyzed: 12/20/2024					
Escherichia coli (E. coli)	<1.00	U	1.00	MPN/100 mL						
Duplicate (BHL2678-DUP1)		**Source: 24L3480-04**			Prepared: 12/19/2024 Analyzed: 12/20/2024					
Escherichia coli (E. coli)	<1.00	U	1.00	MPN/100 mL		<1.00				200
Duplicate (BHL2678-DUP2)		**Source: 24L3505-01**			Prepared: 12/19/2024 Analyzed: 12/20/2024					
Escherichia coli (E. coli)	4.10		1.00	MPN/100 mL		3.00			31.0	200
Batch: BHL2679 - ENT Quantitray										
Blank (BHL2679-BLK1)					Prepared: 12/19/2024 Analyzed: 12/20/2024					
Enterococci	<1.00	U	1.00	MPN/100 mL						
Duplicate (BHL2679-DUP1)		**Source: 24L3508-01**			Prepared: 12/19/2024 Analyzed: 12/20/2024					
Enterococci	25.6		1.00	MPN/100 mL		39.3			42.2	200

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TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
01/27/2025 11:26

Sample Condition Checklist

Work Order: 24L3161

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: 24L3162

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: 24L3467

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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TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
01/27/2025 11:26

Work Order: 24L4286

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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TCEQ TX-C24-00185

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
01/27/2025 11:26

Term and Qualifier Definitions

Item	Definition
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
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

24L3161

Lab PM : Aundra Noe	Project Name : Jackrabbit - Outfall 001 3 Part Grab Composite 1	Schedule Comments
Inframark Patrick Bond 32259 Morton Road Brookshire, TX 77423 Phone: (281) 505-0452	Project Comments: DAY OF GRAB 1 - TAKE GLASS RECEPTACLE & PLACE IN SAMPLER COORDINATE GRAB 1 & GRAB 2 COLLECTION TIMES WITH OTHER FIELD TECH IF NEEDED	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation	Field Results
24L3161-01	18 Mohm DI		12/17/2024 0725	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631 BrCl	
24L3161-02	Outfall 001 3 Part Grab		12/17/2024	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 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 C Alvarez	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation: NWDLS	Relinquished To Lab By: (Signature)	Date/Time 12-17-24 1420	Received for Laboratory By: (Signature) UMC	Date/Time 12-17-24 1420

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:

Spring Branch

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

24L3162

Lab PM : Aundra Noe	Project Name : Jackrabbit - Outfall 001 3 Part Grab Composite 2	Schedule Comments
Inframark Patrick Bond 32259 Morton Road Brookshire, TX 77423 Phone: (281) 505-0452	Project Comments: COORDINATE GRAB 1 & GRAB 2 COLLECTION TIMES WITH OTHER FIELD TECH IF NEEDED	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation		Field Results
24L3162-01	18 Mohm DI		12/17/2024 1120	AQ Grab	A Glass 4oz Boston Round	LL Hg-1631	BrCl	
24L3162-02	Outfall 001 3 Part Grab		12/17/2024	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	

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 Flores	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation: NWDLS	Relinquished To Lab By: (Signature)	Date/Time 12-17-24/1428	Received for Laboratory By: (Signature) VMC	Date/Time 1420 12-17-24

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:

Spring Branch

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

24L3467

Lab PM : Aundra Noe	Project Name : Jackrabbit - Permit Renewal	Schedule Comments
Inframark Patrick Bond 32259 Morton Road Brookshire, TX 77423 Phone: (281) 505-0452	Project Comments: DO reading 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 the regular chain	-

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation		Field Results	
24L3467-01	Outfall 001	[redacted]	12/19/2024 08:10	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	9.94 0.299 7.79 0.35

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-C24-00155

24L3467

(Continued)

Lab PM : Aundra Noe	**Project Name** : Jackrabbit - Permit Renewal	Schedule Comments:
Inframark Patrick Bond 32259 Morton Road Brookshire, TX 77423 Phone: (281) 505-0452	**Project Comments:** DO reading 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 the regular chain	

24L3467-02	Outfall 001 Sampler	12/18/24 08:00	12/19/2024 08:00	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 Amber Glass 1L w/ Teflon-lined Lid O Amber Glass 1L w/ Teflon-lined Lid 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 Amber Glass 1L w/ Teflon-lined Lid U Amber Glass 1L w/ Teflon-lined Lid 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 HEM-1664 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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North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx:77385
(936) 321-6060 - lab@nwdls.com
TCEQ TX-C24-00185

24L3467

(Continued)

Lab PM : Aundra Noe	Project Name : Jackrabbit - Permit Renewal	Schedule Comments:
Inframark Patrick Bond 32259 Morton Road Brookshire, TX 77423 Phone: (281) 505-0452	Project Comments: DO reading 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 the regular chain	

24L3467-03	Outfall 001 3 Part Grab		12/19/2024 10:10	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 Composite VOA	BrCl 4°C	
24L3467-04	Outfall 001 3 Part Grab C		12/19/2024	AQ: Grab 3-Part Cor		VOA-624	4°C	
24L3467-05	18 Mohm DI		12/19/2024 10:10	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: Katie Blackmon	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation: NWDLS	Relinquished To Lab By: (Signature)	Date/Time 14:40 12/19/24	Received for Laboratory By: (Signature)	Date/Time 12/19/24 12:40

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:

Spring Branch

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-G24-00185

24L4286

Lab PM : Aundra Noe	Project Name : Jackrabbit - Permit Renewal - Recollect	Schedule Comments
Inframark A/P Inframark - Brookshire 32259 Morton Road Brookshire, TX 77423 Phone: 281-209-2100	Project Comments:	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation	Field Results
24L4286-01	Outfall 001 Sampler	12-25-24/0500	12/26/2024/0500	AQ 24HR Comp	A Amber Glass 1L w/ Teflon-lined Lid B Amber Glass 1L w/ Teflon-lined Lid	OCP-608 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: Francisco Gutierrez	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation: NWDLS	Relinquished To Lab By: (Signature)	Date/Time 12-26-24 1225	Received for Laboratory By: (Signature)	Date/Time 1225 12-26-24

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:

Spring Branch

SUBCONTRACT ORDER

NWDLS

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: 24L3467

Analysis	Due	Expires	Comments
Sample ID: 24L3467-02 ***Waste Water Sampled: 12/19/2024 08:00***			
PCB-608	01/02/2025	12/14/2025 08:00	

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: [signature] Date: 12.26.24 1320

Received By: [signature] Date: 12/26/24 13??

3.1°C

Laboratory Analysis Report

Total Number of Pages: 6

Job ID : 24122937

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

Client Project Name :
24L3467

Report To :	Client Name:	NWDLS	P.O.#.: 24L3467
	Attn:	Aundra Noe	Sample Collected By:
	Client Address:	130 S Trade Center Pkwy	Date Collected: 12/19/24
	City, State, Zip:	Conroe, Texas, 77385	

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

Client Sample ID	Matrix	A&B Sample ID
24L3467-02	Waste Water	24122937.01

Released By: Gobinath Rangasamy
Title: Project Manager
Date: 1/3/2025

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 : 12/26/2024 13:20

25.1.21224

LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 24122937

Date: 1/3/2025

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 : 24122937

Date 1/3/2025

Client Name: NWDLS

Attn: Aundra Noe

Project Name: 24L3467

Client Sample ID: 24L3467-02
Date Collected: 12/19/24
Time Collected: 08:00
Other Information:

Job Sample ID: 24122937.01
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	12/28/24 02:32	MQ
	Aroclor 1221	<0.02	ug/L	1.00	0.02	0.0500		U	12/28/24 02:32	MQ
	Aroclor 1232	<0.0049	ug/L	1.00	0.0049	0.0500		U	12/28/24 02:32	MQ
	Aroclor 1242	<0.0017	ug/L	1.00	0.0017	0.0500		U	12/28/24 02:32	MQ
	Aroclor 1248	<0.01	ug/L	1.00	0.01	0.0500		U	12/28/24 02:32	MQ
	Aroclor 1254	<0.0047	ug/L	1.00	0.0047	0.0500		U	12/28/24 02:32	MQ
	Aroclor 1260	<0.03	ug/L	1.00	0.03	0.0500		U	12/28/24 02:32	MQ
	Total PCBs	<0.03	ug/L	1.00	0.03	0.0500		U	12/28/24 02:32	MQ
	Decachlorobiphenyl(surr)	106	%	1.00		35-129			12/28/24 02:32	MQ
	Tetrachloro-m-xylene(surr)	67	%	1.00		27-127			12/28/24 02:32	MQ

ab-q212-0321

QUALITY CONTROL CERTIFICATE

Job ID : 24122937 **Date :** 1/3/2025

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

QC Batch ID : Qb24123024 **Created Date :** 12/27/24 **Created By :** mqiao

Samples in This QC Batch : 24122937.01

Extraction : PB24122732 **Prep Method :** EPA 608.3 **Prep Date :** 12/27/24 12:30 **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	126	%	1.00				
Tetrachloro-m-xylene(surr)	877-09-8	70.5	%	1.00				

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Aroclor 1016	2	1.52	76.1	2	1.48	74.2	2.8	30	53.7-124	
Aroclor 1260	2	1.91	95.5	2	1.85	92.6	3.1	30	51.7-130	
Total PCBs	4	3.43	85.8	4	3.33	83.4	3	30	51.7-130	

QC Type: MS and MSD
QC Sample ID: 24122908.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Aroclor 1016	BRL	2.13	1.56	73.1						53.7-124	
Aroclor 1260	BRL	2.13	2.17	102						51.7-130	
Total PCBs	BRL	4.26	3.73	87.6						51.7-130	

Sample Condition Checklist

A&B JobID : **24122937**	Date Received : **12/26/2024**	Time Received : **1:20PM**
Client Name : **NWDLS**		
Temperature : **3.1°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 : Amber

Check in by/date : Amber / 12/26/2024

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*

SPL
The Science of Sure

Project
1129972

NWDS-G

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

Printed 01/08/2025
6:10

TABLE OF CONTENTS

24L3467

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

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

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SAMPLE CROSS REFERENCE

Project
1129972

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

Sample	Sample ID	Taken	Time	Received
2367221	*24L3467*	12/19/2024	08:00:00	12/20/2024

Bottle 01 Client Supplied Amber Glass
Bottle 02 Client Supplied Amber Glass
Bottle 03 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1153410) Volume: 1.00000 mL <== Derived from 02 (1007 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 632	03	1153410	12/23/2024	1154954	01/07/2025

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

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1
2

NWDS-G

Project
1129972

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

Printed: 01/08/2025

24L3467

RESULTS

Sample Results

2367221 24L3467 Received: 12/20/2024

Non-Potable Water | Collected by: Client | North Water District | PO: #26201
Taken: 12/19/2024 08:00:00

EPA 632 Prepared: 1153410 12/23/2024 12:00:00 Analyzed 1154954 01/07/2025 11:47:00 BRU

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Carbaryl (Sevin)**	**<1.22**	**ug/L**	1.22		**63-25-2**	03
z	**Diuron**	**<0.0447**	**ug/L**	0.0447		**330-54-1**	03

Sample Preparation

2367221 24L3467 Received: 12/20/2024

#26201

12/19/2024

Prepared: 12/20/2024 14:31:14 Calculated 12/20/2024 14:31:14 CAL

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

Prepared: 01/08/2025 06:04:00 Analyzed 01/08/2025 06:04:00 WJP

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

Cooler Return Prepared: 12/27/2024 16:30:00 Analyzed 12/27/2024 16:30:00 MG3

z	**Return Cooler/No bottles Require**	**Returned**

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

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2

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Project
1129972

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

Printed: 01/08/2025

2367221 **24L3467** *Received:* 12/20/2024

#26201

12/19/2024

EPA 632		*Prepared:*	*1153410*	*12/23/2024*	*12:00:00*	*Analyzed*	*1153410*	*12/23/2024*	*12:00:00*	*LSM*
	Liquid-Liquid Extr. W/Hex Ex	**1/1007**		**ml**						02
EPA 632		*Prepared:*	*1153410*	*12/23/2024*	*12:00:00*	*Analyzed*	*1154954*	*01/07/2025*	*11:47:00*	*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

SPL
The Science of Sure

NWDS-G

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

Project
1129972

Printed 01/08/2025

Analytical Set **1154954** **EPA 632**

Blank

Parameter	*PrepSet*	*Reading*	*MDL*	*MQL*	*Units*	*File*
Carbaryl (Sevin)	**1153410**	**233**	**66.1**	**2500**	**ug/L**	**127187148**
Diuron	**1153410**	**ND**	**44.4**	**45.0**	**ug/L**	**127187148**

CCV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Carbaryl (Sevin)	**908**	**1000**	**ug/L**	**90.8**	**70.0 - 130**	**127187147**
Carbaryl (Sevin)	**933**	**1000**	**ug/L**	**93.3**	**70.0 - 130**	**127187152**
Diuron	**849**	**1000**	**ug/L**	**84.9**	**70.0 - 130**	**127187147**
Diuron	**836**	**1000**	**ug/L**	**83.6**	**70.0 - 130**	**127187152**

LCS Dup

Parameter	*PrepSet*	*LCS*	*LCSD*	*Known*	*Limits%*	*LCS%*	*LCSD%*	*Units*	*RPD*	*Limit%*
Carbaryl (Sevin)	**1153410**	**1000**	**1020**	**1000**	**17.1 - 131**	**100**	**102**	ug/L	1.98	30.0
Diuron	**1153410**	**1030**	**1040**	**1000**	**0.100 - 138**	**103**	**104**	ug/L	0.966	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.)

NWDLS

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: 24L3467

Analysis	Due	Expires	Comments
Sample ID: 24L3467-02 *Waste Water* *Sampled: 12/19/2024 08:00*			23.6721
Sub_CBURP-632	01/02/2025	12/26/2024 08:00	
Analyte(s):			
Carbaryl	Diuron		
Containers Supplied:			

KMC — Released By — 12.19.24 — Date — UPS — Received By — 12.19.24 — Date

UPS — 12-20-24 1230 — MCCA — 12-20-24 1230

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

30 LBS

1 OF 1

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

TX 756 0-32

UPS NEXT DAY AIR

TRACKING #: 1Z 12W 40V 01 9453 1122

1

BILLING: P/P

12/20/24 1406 MMV
Date Time Tech
Temp: 2.8/2.2 C

Therm#: 6206 Corr Fact: -0.6 C

NWDLS

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: 24L4286

Analysis	Due	Expires	Comments

Sample ID: 24L4286-01 *Waste Water* *Sampled: 12/26/2024 05:00*

OCP-608 01/09/2025 01/02/2025 05:00

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-Hexachlorocyclo	gamma-Chlordane	Heptachlor
Heptachlor epoxide	Methoxychlor	Mirex
Toxaphene (Chlorinated Camphene)		

Containers Supplied:

Released By — Date: 12-26-24 1320 — Received By — Date: 12/26/24 1732

3.1°C

Laboratory Analysis Report

Total Number of Pages: 7

Job ID : 24122938

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

Client Project Name :
24L4286

Report To :	Client Name:	NWDLS	P.O.#.: 24L4286
	Attn:	Aundra Noe	Sample Collected By:
	Client Address:	130 S Trade Center Pkwy	Date Collected: 12/26/24
	City, State, Zip:	Conroe, Texas, 77385	

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

Client Sample ID	Matrix	A&B Sample ID
24L4286-01	Waste Water	24122938.01

Released By: Gobinath Rangasamy
Title: Project Manager
Date: 1/3/2025

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 : 12/26/2024 13:20

25.1.21224

LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 24122938

Date: 1/3/2025

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 : 24122938

Date 1/3/2025

Client Name: NWDLS

Attn: Aundra Noe

Project Name: 24L4286

Client Sample ID: 24L4286-01
Date Collected: 12/26/24
Time Collected: 05:00
Other Information:

Job Sample ID: 24122938.01
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									
	Alpha-chlordane	<0.004	ug/L	1.00	0.004	0.010		U	12/30/24 16:07	MQ
	Dicofol[2]	<0.050	ug/L	1.00	0.050	0.050		U	12/30/24 16:07	MQ
	Gamma-chlordane	<0.004	ug/L	1.00	0.004	0.010		U	12/30/24 16:07	MQ
	4,4-DDD	<0.002	ug/L	1.00	0.002	0.010		U	12/30/24 16:07	MQ
	4,4-DDE	<0.009	ug/L	1.00	0.009	0.010		U	12/30/24 16:07	MQ
	4,4-DDT	<0.004	ug/L	1.00	0.004	0.010		U	12/30/24 16:07	MQ
	a-BHC	<0.003	ug/L	1.00	0.003	0.010		U	12/30/24 16:07	MQ
	Aldrin	<0.004	ug/L	1.00	0.004	0.010		U	12/30/24 16:07	MQ
	b-BHC	<0.004	ug/L	1.00	0.004	0.010		U	12/30/24 16:07	MQ
	Chlordane	<0.100	ug/L	1.00	0.100	0.100		U	12/30/24 16:07	MQ
	d-BHC	<0.006	ug/L	1.00	0.006	0.010		U	12/30/24 16:07	MQ
	Dieldrin	<0.005	ug/L	1.00	0.005	0.010		U	12/30/24 16:07	MQ
	Endosulfan I	<0.007	ug/L	1.00	0.007	0.010		U	12/30/24 16:07	MQ
	Endosulfan II	<0.004	ug/L	1.00	0.004	0.010		U	12/30/24 16:07	MQ
	Endosulfan sulfate	<0.005	ug/L	1.00	0.005	0.010		U	12/30/24 16:07	MQ
	Endrin	<0.004	ug/L	1.00	0.004	0.010		U	12/30/24 16:07	MQ
	Endrin aldehyde	<0.003	ug/L	1.00	0.003	0.010		U	12/30/24 16:07	MQ
	g-BHC	<0.004	ug/L	1.00	0.004	0.010		U	12/30/24 16:07	MQ
	Heptachlor	<0.004	ug/L	1.00	0.004	0.010		U	12/30/24 16:07	MQ
	Heptachlor epoxide	<0.004	ug/L	1.00	0.004	0.010		U	12/30/24 16:07	MQ
	Methoxychlor	<0.003	ug/L	1.00	0.003	0.010		U	12/30/24 16:07	MQ
	Mirex[2]	<0.010	ug/L	1.00	0.010	0.010		U	12/30/24 16:07	MQ
	Toxaphene	<0.100	ug/L	1.00	0.100	0.100		U	12/30/24 16:07	MQ
	Decachlorobiphenyl(surr)	60.5	%	1.00		34-120			12/30/24 16:07	MQ
	Tetrachloro-m-xylene(surr)	55	%	1.00		24-127			12/30/24 16:07	MQ

ab-q212-0321

[2]-Parameter not available for accreditation.

QUALITY CONTROL CERTIFICATE

Job ID : 24122938 **Date :** 1/3/2025

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

QC Batch ID : Qb24123125 **Created Date :** 12/30/24 **Created By :** mqiao

Samples in This QC Batch : 24122938.01

Extraction : PB24122735 **Prep Method :** EPA 608.3 **Prep Date :** 12/27/24 12:30 **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		
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	0.1	0.079		
Toxaphene	8001-35-2	< MDL	ug/L	1.00	0.5	0.1		
Dicofol	115-32-2	< MQL	ug/L	1.00	0.2			
Tetrachloro-m-xylene(surr)	877-09-8	68	%	1.00				
Decachlorobiphenyl(surr)	2051-24-3	79.5	%	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
4,4-DDD	0.2	0.142	70.8	0.2	0.146	72.8	3.1	24	40.8-141	
4,4-DDE	0.2	0.159	79.5	0.2	0.163	81.5	2.5	21	30-136	
4,4-DDT	0.2	0.210	105	0.2	0.216	108	2.8	30	34.3-134	
a-BHC	0.2	0.141	70.5	0.2	0.144	71.8	2.1	25	37-125	
Aldrin	0.2	0.144	72	0.2	0.148	74.3	2.7	23	42-127	
b-BHC	0.2	0.150	75.3	0.2	0.153	76.5	1.6	24	38.5-132	
d-BHC	0.2	0.147	73.5	0.2	0.147	73.5	0	20	30-139	
Dieldrin	0.2	0.158	79	0.2	0.162	81	2.5	21	40.7-133	

QUALITY CONTROL CERTIFICATE

Job ID : 24122938 **Date :** 1/3/2025

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

QC Batch ID : Qb24123125 **Created Date :** 12/30/24 **Created By :** mqiao

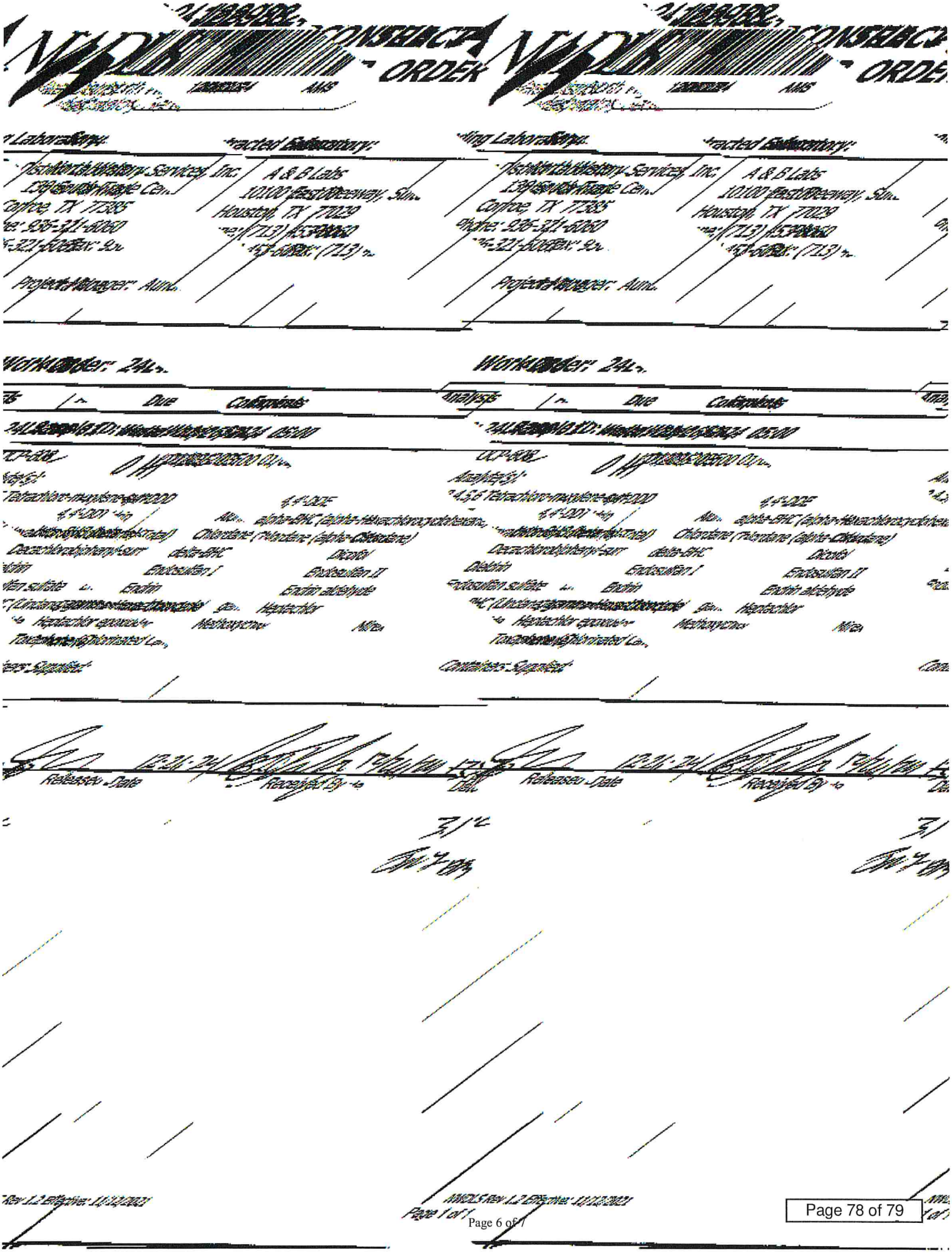
Samples in This QC Batch : 24122938.01

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
Endosulfan I	0.2	0.126	63	0.2	0.128	64.3	1.6	24	45-124	
Endosulfan II	0.2	0.142	70.8	0.2	0.149	74.5	5.2	21	20-114	
Endosulfan sulfate	0.2	0.163	81.5	0.2	0.166	83	1.8	20	45-131	
Endrin	0.2	0.158	79.3	0.2	0.162	81	2.2	24	35.1-136	
Endrin aldehyde	0.2	0.153	76.5	0.2	0.162	81	5.7	33	33.9-130	
g-BHC	0.2	0.143	71.5	0.2	0.145	72.5	1.4	25	39-132	
Heptachlor	0.2	0.148	74.3	0.2	0.148	74.3	0.3	20	34.6-134	
Heptachlor epoxide	0.2	0.150	74.8	0.2	0.153	76.5	2.3	24	39.2-132	
Methoxychlor	0.2	0.207	104	0.2	0.214	107	3.3	24	37.7-143	
Alpha-chlordane	0.2	0.158	79	0.2	0.162	81	2.5	23	42-132	
Gamma-chlordane	0.2	0.158	79.3	0.2	0.162	81.3	2.2	21	45-133	

QC Type: MS and MSD
QC Sample ID: 24122908.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
4,4-DDD	BRL	0.2	0.116	58.1						31-141	
4,4-DDE	BRL	0.2	0.140	70						30-145	
4,4-DDT	BRL	0.2	0.195	97.5						25-160	
a-BHC	BRL	0.2	0.148	73.9						37-140	
Aldrin	BRL	0.2	0.133	66.7						42-140	
b-BHC	BRL	0.2	0.152	75.8						17-147	
d-BHC	BRL	0.2	0.137	68.6						19-140	
Dieldrin	BRL	0.2	0.158	78.9						36-146	
Endosulfan I	BRL	0.2	0.129	64.7						45-153	
Endosulfan II	BRL	0.2	0.127	63.6						10-190	
Endosulfan sulfate	BRL	0.2	0.157	78.3						26-144	
Endrin	BRL	0.2	0.158	78.9						30-147	
Endrin aldehyde	BRL	0.2	0.154	77.2						60-140	
g-BHC	BRL	0.2	0.147	73.3						32-140	
Heptachlor	BRL	0.2	0.138	69.2						34-140	
Heptachlor epoxide	BRL	0.2	0.158	79.2						37-142	
Methoxychlor	BRL	0.2	0.203	101						60-140	



Sample Condition Checklist

A&B JobID : **24122938**	Date Received : **12/26/2024**	Time Received : **1:20PM**
Client Name : **NWDLS**		
Temperature : **3.1°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 : Amber

Check in by/date : Amber / 12/26/2024

ab-s005-1123

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

March 24, 2025

Laboratory Report

A/P Inframark - Brookshire
Inframark
32259 Morton Road
Brookshire, TX 77423

Report ID: 20250324165324RLR

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,

Rebecca Rabon For 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

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/24/2025 16:53

* 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

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/24/2025 16:53

Sample Condition Checklist

Work Order: 25C1510

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: 25C1511

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: 25C1661

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

* 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

Inframark
32259 Morton Road
Brookshire, TX 77423

Reported:
03/24/2025 16:53

Term and Qualifier Definitions

Item	Definition
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated
*	A = Accredited, N = Not Accredited or Accreditation not available
DF	Dilution Factor - the factor applied to the reported data due to sample preparation, dilution, or moisture content
MDL	Method Detection Limit - The minimum concentration of a substance (or analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. Based on standard deviation of replicate spiked samples take through all steps of the analytical procedure following 40 CFR Part 136 Appendix B.
SDL	Sample Detection Limit - The minimum concentration of a substance (analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. The SDL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MDL = SDL.
MRL	Method Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The MRL is at or above the lowest calibration standard.
LRL	Laboratory Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The LRL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MRL = LRL.

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

CHAIN OF CUSTODY RECORD

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

25C1510

Lab PM : Aundra Noe	**Project Name** : Jackrabbit - NP - Permit Renewal Recollect - Comp1 **Schedule Comments:**
Inframark A/P Inframark - Brookshire 32259 Morton Road Brookshire, TX 77423 Phone: 281-209-2100	**Project Comments:** DAY OF GRAB 1 - TAKE GLASS RECEPTACLE & PLACE IN SAMPLER COORDINATE GRAB 1 & GRAB 2 COLLECTION TIMES WITH OTHER FIELD TECH IF NEEDED

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation	Field Results
25C1510-01	Outfall 001 3 Part Grab (		3/5/2025 / 8:30	AQ Grab 3-Part Cor	A Amber Glass 1L w/ Teflon-lined Lid B Amber Glass 1L w/ Teflon-lined Lid C Glass VOA 40mL HCl pH<2 D Glass VOA 40mL HCl pH<2 E Glass VOA 40mL HCl pH<2 F Glass VOA 40mL G Glass VOA 40mL H Glass VOA 40mL	Composite VOA 4°C Composite Lab 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: Jose Gutierrez	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation: NWDLS	Relinquished To Lab By: (Signature)	Date/Time 3.5.25/16:45	Received for Laboratory By: (Signature)	Date/Time 1645 03.05.25

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: _____

Spring Branch

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

25C1511

Lab PM : Aundra Noe	**Project Name** : Jackrabbit - NP - Permit Renewal Recollect-Comp 2	**Schedule Comments:**
Inframark A/P Inframark - Brookshire 32259 Morton Road Brookshire, TX 77423 Phone: 281-209-2100	**Project Comments:** COORDINATE GRAB 1 & GRAB 2 COLLECTION TIMES WITH OTHER FIELD TECH IF NEEDED	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation	Field Results
25C1511-01	Outfall 001 3 Part Grab (		3/5/2025 / 13:50	AQ Grab 3-Part Cor	A Amber Glass 1L w/ Teflon-lined Lid B Amber Glass 1L w/ Teflon-lined Lid C Glass VOA 40mL HCl pH<2 D Glass VOA 40mL HCl pH<2 E Glass VOA 40mL HCl pH<2 F Glass VOA 40mL G Glass VOA 40mL H Glass VOA 40mL	Composite VOA 4°C Composite Lab 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: Jose Gutierrez	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation: NWDLS	Relinquished To Lab By: (Signature)	Date/Time 3.5.25/16:45	Received for Laboratory By: (Signature)	Date/Time 1645 03.05.25

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:

Spring Branch

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

25C1661

(Continued)

Lab PM : Aundra Noe	**Project Name** : Jackrabbit - NP - Permit Renewal - Recollect 2	**Schedule Comments:**
Inframark A/P Inframark - Brookshire 32259 Morton Road Brookshire, TX 77423 Phone: 281-209-2100	**Project Comments:** DO reading must be recorded before 9am If CL2 not between 1.0 - 4.0 Call Office Unless Dechlor plant <.1	

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 Chavez	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time
Affiliation NWDLS	Relinquished To Lab By: (Signature)	Date/Time 3-6-25/830	Received for Laboratory By: (Signature) MAP	Date/Time 3/6/25 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:

Spring Branch

Flow-Weighted Sampling
Composite Sample Volume Proportions

Analyst	AMA
Date	3/8/2025
Time	8:00
Composite Sample ID	25C1661-02 A NONYLPH
Composite Sample ID	
Composite Sample ID	
Composite Sample ID	
Composite Sample ID	
Composite Sample ID	

Jackrabbit Road PUD - Permit Renewal - Recollec	Flow[1]
Collection Point 1 - Outfall Grab 1 - 25C1510	1.000
Collection Point 2 - Outfall Grab 2 - 25C1511	1.000
Collection Point 3 - Outfall Grab 3 - 25C1661	1.000
Collection Point 4 -	
Collection Point 5 -	
Collection Point 6 -	
Collection Point 7 -	
Collection Point 8 -	
Collection Point 9 -	
Collection Point 10 -	

Max Flow	1.000
Volume of Max Flow Sample[2] (mL)	335

	Volume[2] (mL)
Collection Point 1 - Outfall Grab 1 - 25C1510	335
Collection Point 2 - Outfall Grab 2 - 25C1511	335
Collection Point 3 - Outfall Grab 3 - 25C1661	335
Collection Point 4 -	0
Collection Point 5 -	0
Collection Point 6 -	0
Collection Point 7 -	0
Collection Point 8 -	0
Collection Point 9 -	0
Collection Point 10 -	0
Total[3]	1005

Reviewed by: mm Date: 03.08.25

[1] Sample units are arbitrary as they cancel during calculation.

[2] Amount (volume) of sample added to the composite.

[3] Total amount (volume) of composite sample.

*All completed forms must be filed with sample COC.
*All completed forms must be reviewed by and signed by management for verification of accuracy.

25C1661

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

25C1661

Lab PM : Aundra Noe

Project Name : Jackrabbit - NP - Permit Renewal - Recollect 2

Schedule Comments:

Inframark
A/P Inframark - Brookshire
32259 Morton Road
Brookshire, TX 77423
Phone: 281-209-2100

Project Comments: DO reading must be recorded before 9am If CL2 not between 1.0 - 4.0 Call Office
Unless Dechlor plant <.1

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis/Preservation	Field Results
25C1661-01	Outfall 001 3 Part Grab		3/6/2025 1050	AQ Grab	A Amber Glass 1L w/ Teflon-lined Lid B Amber Glass 1L w/ Teflon-lined Lid C Glass VOA 40mL HCl pH<2 D Glass VOA 40mL HCl pH<2 E Glass VOA 40mL HCl pH<2 F Glass VOA 40mL G Glass VOA 40mL H Glass VOA 40mL	Composite VOA 4°C Composite Lab 4°C	
25C1661-02	Outfall 001 3 Part Grab C		3/6/2025	AQ Grab 3-Part Cor	A Amber Glass 1L w/ Teflon-lined Lid B Amber Glass 1L w/ Teflon-lined Lid C Glass VOA 40mL HCl pH<2 D Glass VOA 40mL HCl pH<2 E Glass VOA 40mL HCl pH<2	Sub_NonHal Org-8015 4°C Sub_NP/BPA-D7065 4°C Sub_VOA-8260 4°C	

Laboratory Analysis Report

Total Number of Pages: 8

Job ID : 25030755

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

Client Project Name :
25C1661

Report To :	Client Name:	NWDLS	P.O.#.: 25C1661
	Attn:	Aundra Noe	Sample Collected By:
	Client Address:	130 S Trade Center Pkwy	Date Collected: 03/06/25
	City, State, Zip:	Conroe, Texas, 77385	

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

Client Sample ID	Matrix	A&B Sample ID
25C1661-02	Waste Water	25030755.01

Released By: Amanda Shute
Title: Project Manager
Date: 3/21/2025

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 : 03/10/2025 09:33

LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 25030755

Date: 3/21/2025

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	Sample Quantitation Limit
LOQ	Limit of Quantitation adjusted for %M + DF	surr	Surrogate
MS	Matrix Spike	T	Time
MSD	Matrix Spike Duplicate	TNTC	Too numerous to count
MW	Molecular Weight	UQL	Unadjusted Upper Quantitation Limit
MQL	Unadjusted Minimum Quantitation Limit		

Qualifier Definition

J	Estimation. Below calibration range but above MDL.
M2	Matrix Spike and/or Matrix Spike Duplicate recovery is below laboratory control limits due to matrix interference."The sample randomly selected as QC for this batch was not part of your project. Therefore, this sample matrix is not applicable to your project samples."
U	Undetected at SDL (Sample Detection Limit).

LABORATORY TEST RESULTS

Job ID : 25030755

Date 3/21/2025

Client Name: NWDLS

Attn: Aundra Noe

Project Name: 25C1661

Client Sample ID: 25C1661-02
Date Collected: 03/06/25
Time Collected: 09:50
Other Information:

Job Sample ID: 25030755.01
Sample Matrix Waste Water
% Moisture

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
ASTM D7065-11										
	Bisphenol A[2]	<5.0	ug/L	1.00		5.00			03/13/25 20:32	JG
	Terphenyl-d14(surr)	41	%	1.00		18-137			03/13/25 20:32	JG
SW-846 8015M	Glycols									
	Ethylene glycol	8.70	mg/L	1.00	1.89	10.0		J	03/13/25 14:21	AJE
SW-846 8260C	Volatile Organic Compounds									
	Epichlorohydrin	<0.02300	mg/L	1.00	0.02300	0.05000		U	03/10/25 20:19	KTH
	1,2-Dichloroethane-d4(surr)	105	%	1.00		70-130			03/10/25 20:19	KTH
	Dibromofluoromethane(surr)	110	%	1.00		70-130			03/10/25 20:19	KTH
	p-Bromofluorobenzene(surr)	104	%	1.00		70-130			03/10/25 20:19	KTH
	Toluene-d8(surr)	101	%	1.00		70-130			03/10/25 20:19	KTH

[2]-Parameter not available for accreditation.

QUALITY CONTROL CERTIFICATE

Job ID : 25030755 **Date :** 3/21/2025

Analysis : Volatile Organic Compounds **Method :** SW-846 8260C **Reporting Units :** mg/L

QC Batch ID : Qb250310106 **Created Date :** 03/10/25 **Created By :** Karthick

Samples in This QC Batch : 25030755.01

Sample Preparation : PB25031054 **Prep Method :** SW-846 5030C **Prep Date :** 03/10/25 10:00 **Prep By :** Karthick

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Epichlorohydrin	106-89-8	< MDL	mg/L	1.00	0.05	0.02270		
Method Blank	Dibromofluoromethane(	1868-53-7	103	%	1.00				
Method Blank	1,2-Dichloroethane-d4(s	17060-07-0	98.6	%	1.00				
Method Blank	Toluene-d8(surr)	2037-26-5	97	%	1.00				
Method Blank	p-Bromofluorobenzene(	460-00-4	99.4	%	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
Epichlorohydrin	0.4	0.412	103	0.4	0.471	118	13.4	20	66.8-132	

QC Type: MS and MSD
QC Sample ID: 25030837.02

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Epichlorohydrin	BRL	40	43.7	109						60-140	

QUALITY CONTROL CERTIFICATE

Job ID : 25030755 **Date :** 3/21/2025

Analysis : **Method :** **ASTM D7065-11** **Reporting Units : ug/L**

QC Batch ID : Qb25031267 **Created Date :** 03/12/25 **Created By :** JGonzalez

Samples in This QC Batch : 25030755.01

Extraction : PB25031105 **Prep Method :** ASTM D7065-11 **Prep Date :** 03/11/25 08:00 **Prep By :** JCoku

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Bisphenol A	80-05-7	< MQL	ug/L	1.00	5			
Method Blank	Terphenyl-d14(surr)		53.4	%	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
Bisphenol A	50	35.5	71.0	50	36.8	73.6	3.6	20	60-140	

QUALITY CONTROL CERTIFICATE

Job ID : 25030755 **Date :** 3/21/2025

Analysis : Glycols **Method :** SW-846 8015M **Reporting Units :** mg/L

QC Batch ID : Qb25031343 **Created Date :** 03/13/25 **Created By :** JAshok

Samples in This QC Batch : 25030755.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Ethylene glycol	107-21-1	< MDL	mg/L	1.00	10	1.893		

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
Ethylene glycol	100	100	100	100	99.0	99	1	20	75-125	

QC Type: MS and MSD
QC Sample ID: 25030653.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Ethylene glycol	BRL	100	61.0	61						75-125	M2

NWDLS

Job ID:25030755

03/10/2025 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: 25C1661

Analysis	Due	Expires	Comments
Sample ID: 25C1661-02 ***Waste Water*** ***Sampled: 03/06/2025 09:50***			
Sub_NonHal Org-8015	03/20/2025	03/13/2025 09:50	01AG
Analyte(s): Ethylene Glycol			
Sub_NP/BPA-D7065	03/20/2025	03/31/2025 09:50	
Analyte(s): 4,4-Isopropylidenediphenol (Bisphenol A)			
Sub_VOA-8260	03/20/2025	03/20/2025 09:50	
Analyte(s): Epichlorohydrin			

Containers Supplied:

Rand Porrso — Released By — Date: 031025 09:33

Received By — Date: 3/10/25 09:33

1.3°C
On ?
Am

Sample Condition Checklist

A&B JobID : **25030755**	Date Received : **03/10/2025**	Time Received : **9:33AM**
Client Name : **NWDLS**		
Temperature : **1.3°C**	Sample pH : **N/A**	
Thermometer ID : **IR7**	pH Paper ID : **N/A**	
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:

VOC vials preserved with HCl. ~MC 03/10/2025

Brought by : Client

Received by : Amber

Check in by/date : MClotfelter / 03/10/2025

ab-s005-1123

JACKRABBIT ROAD PUBLIC UTILITY DISTRICT
TPDES PERMIT RENEWAL APPLICATION
HARRIS COUNTY, TEXAS
WQ0011290-001

COPY OF APPLICATION FEE CHECK

SANDER ENGINEERING CORPORATION
CONSULTING ENGINEERS - SURVEYORS
TEXAS BOARD OF PROFESSIONAL ENGINEERS FIRM NO. F-517
TEXAS BOARD OF PROFESSIONAL LAND SURVEYING FIRM NO. 10030300

2901 WILCREST, SUITE 550
HOUSTON, TEXAS 77042

DENNIS W. SANDER, P.E.
President

713-784-4830
FAX 713-784-4052

July 31, 2025

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

Re: Application to Renew Wastewater Discharge Permit No. WQ0011290-001
Jackrabbit Road Public Utility District 91-052-12

Gentlemen:

Enclosed is the submittal form with a check in the amount of $2,015.00 attached for the processing of an Application to Renew a Domestic Wastewater Discharge Permit for the following:

Type of Application: **Domestic Wastewater Discharge Permit - Renewal**

Applicant: **Jackrabbit Road Public Utility District**

Permit No: **WQ0011290-001**

Name of Facility: **Jackrabbit Road PUD Wastewater Treatment Facility**

The check is in the amount of $ 2,015.00 made payable to the Texas Commission on Environmental Quality.

If you have any questions or need any additional information, please do not hesitate to contact me.

Yours Truly,

William T. Manning, Jr., P.E.
Vice President / Partner

Enclosures

xc: 1) Jackrabbit Road PUD c/o Schwartz, Page and Harding, LLP
1300 Post Oak Boulevard, Suite 2400
Houston, TX 77056

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

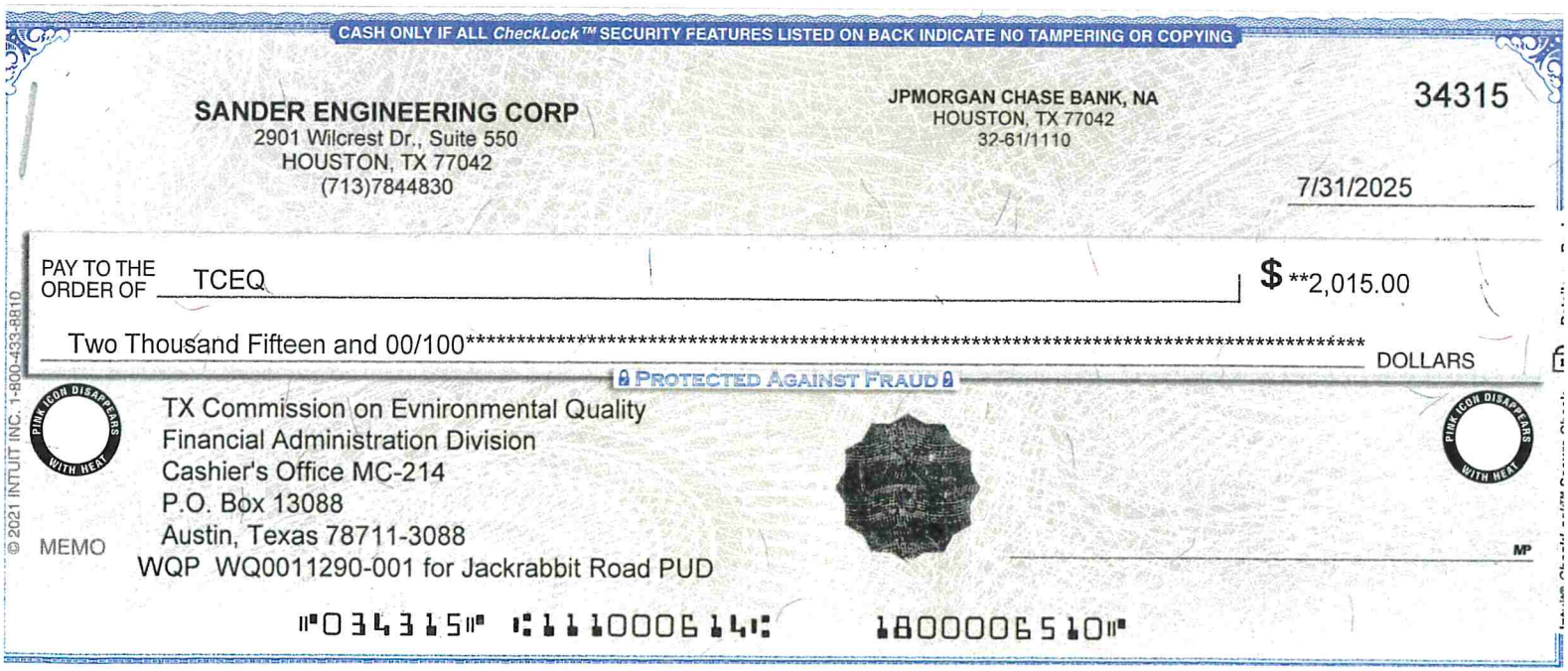
Fee Code: WQP **Waste Permit No:** WQ0011290-001

1. Check or Money Order Number: 34315
2. Check or Money Order Amount: $2,015.00
3. Date of Check or Money Order: 7/31/2025
4. Name on Check or Money Order: Sander Engineering Corp.
5. APPLICATION INFORMATION

   Name of Project or Site: Jackrabbit Road Public Utility District

   Physical Address of Project or Site: 16720 Pine Forest Lane, Houston TX 77084

   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.



USPS Tracking®

FAQs >

Remove ×

Tracking Number:

70223330000121650757

Copy Add to Informed Delivery (https://informeddelivery.usps.com/)

Latest Update

Your item has been delivered and is available at a PO Box at 5:40 am on August 11, 2025 in AUSTIN, TX 78711.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Delivered

Delivered, PO Box
AUSTIN, TX 78711
August 11, 2025, 5:40 am

Available for Pickup
CAPITOL
111 E 17TH ST
AUSTIN TX 78701-9997
M-F 0700-0930
August 9, 2025, 9:44 am

Arrived at Post Office
AUSTIN, TX 78701
August 9, 2025, 9:16 am

In Transit to Next Facility
August 7, 2025

Arrived at USPS Regional Facility
AUSTIN TX DISTRIBUTION CENTER
August 2, 2025, 11:31 am

Arrived at USPS Regional Facility
NORTH HOUSTON TX DISTRIBUTION CENTER
August 1, 2025, 8:10 pm

Hide Tracking History

What Do USPS Tracking Statuses Mean? (https://faq.usps.com/s/article/Where-is-my-package)

Text & Email Updates

Feedback

Francesca Findlay

From: Bill Manning <bmanning@sandereng.com>
Sent: Monday, August 11, 2025 2:47 PM
To: Francesca Findlay
Cc: Erik Miller
Subject: RE: WQ0011290001 Jackrabbit Road Public Utility District
Attachments: Transmittal of Permit Fee Info - JRR PUD TPDES WQ001129001 .pdf

Francesca,

We mailed the form and check to TCEQ on 7/31/2025.
It arrived at the USPS Houston Regional Facility on 8/1/2025.
It arrived at the USPS Austin Regional Facility on 8/2/2025.

However, it didn't arrive at the TCEQ PO Box until this morning 8/11/2025 at 5:40 am.

Hopefully the TCEQ staff has picked it up from the PO Box today and it will show up in your system shortly.
I have no idea why it took 9 days to move around Austin.

I have attached a copy of the tracking information for the fee transmittal.
There is no information about any delay or problem with delivery.

Obviously, it has not cleared our Bank since it just arrived today.
Please let me know if it does not show up in your system shortly and we can check again to see if the check has cleared but I figure it will be another few days before it clears our bank.

Thanks,

Bill

William T. Manning, Jr., P.E.
Vice President / Partner
BManning@sandereng.com

Sander Engineering
Est. 1971
2901 Wilcrest, Suite 550
Houston, Texas 77042
Tel (713) 784-4830 Fax (713) 784-4052
TBPE Firm No. F-517 TBPLS Firm No. 10030300

From: Francesca Findlay <Francesca.Findlay@tceq.texas.gov>
Sent: Monday, August 11, 2025 10:07 AM
To: Bill Manning <bmanning@sandereng.com>
Cc: Erik Miller <Emiller@sandereng.com>
Subject: RE: WQ0011290001 Jackrabbit Road Public Utility District

Good morning,

I am reviewing your application, and I am unable to verify the receipt of the check. Please let me know if you have received a notification of the check clearing the bank. Please let me know if you have any questions.

Thank you,

Francesca Findlay
License & Permit Specialist
ARP Team | Water Quality Division
512-239-2441
Texas Commission on Environmental Quality

From: Francesca Findlay
Sent: Monday, August 4, 2025 5:07 PM
To: bmanning@sandereng.com
Cc: emiller@sandereng.com
Subject: FW: WQ0011290001 Jackrabbit Road Public Utility District

Dear Mr. Manning:

The attached Notice of Deficiency letter sent on August 4, 2025, requesting additional information needed to declare the application administratively complete. Please send the complete response to my attention August 19, 2025.

Thank you,

Francesca Findlay
License & Permit Specialist
ARP Team | Water Quality Division
512-239-2441
Texas Commission on Environmental Quality

Please consider whether it is necessary to print this e-mail

How is our customer service? Fill out our online customer satisfaction survey at http://www.tceq.texas.gov/customersurvey.

Francesca Findlay

From: Bill Manning <bmanning@sandereng.com>
Sent: Thursday, August 7, 2025 8:39 PM
To: Francesca Findlay
Cc: Erik Miller
Subject: RE: WQ0011290001 Jackrabbit Road Public Utility District
Attachments: Municipal Discharge Renewal Spanish NORI - JRRPUD WQ0011290001.docx

Francesca,

Attached is the Spanish NORI word document.
Since this was the only item needed and is required as a word document, is a hard copy response needed?

Thanks,

Bill

William T. Manning, Jr., P.E.
Vice President / Partner
BManning@sandereng.com

Sander Engineering
Est. 1971
2901 Wilcrest, Suite 550
Houston, Texas 77042
Tel (713) 784-4830 Fax (713) 784-4052
TBPE Firm No. F-517 TBPLS Firm No. 10030300

From: Francesca Findlay <Francesca.Findlay@tceq.texas.gov>
Sent: Monday, August 4, 2025 5:07 PM
To: Bill Manning <bmanning@sandereng.com>
Cc: Erik Miller <Emiller@sandereng.com>
Subject: FW: WQ0011290001 Jackrabbit Road Public Utility District

Dear Mr. Manning:

The attached Notice of Deficiency letter sent on August 4, 2025, requesting additional information needed to declare the application administratively complete. Please send the complete response to my attention August 19, 2025.

Thank you,

Francesca Findlay
License & Permit Specialist
ARP Team | Water Quality Division
512-239-2441
Texas Commission on Environmental Quality

Please consider whether it is necessary to print this e-mail

How is our customer service? Fill out our online customer satisfaction survey at http://www.tceq.texas.gov/customersurvey.

Francesca Findlay

From: Erik Miller <Emiller@sandereng.com>
Sent: Tuesday, August 26, 2025 3:45 PM
To: Francesca Findlay; Bill Manning
Subject: RE: WQ0011290001 Jackrabbit Road Public Utility District

Follow Up Flag: Follow up
Flag Status: Flagged

Good afternoon Francesca,

The address on the Core data Form: 1300 Post Oak Boulevard, Suite 2400, Houston Texas 77056 is the correct address.

The attorney for the district moved from the 14th floor to the 24th floor of the same building.

Thanks

Erik D. Miller, P.E.
Vice President/Partner
EMiller@sandereng.com

SANDER ENGINEERING CORPORATION
2901 Wilcrest, Suite 550
Houston, Texas 77042
Tel (713) 784-4830 ext.14 Fax (713) 784-4052

From: Francesca Findlay <Francesca.Findlay@tceq.texas.gov>
Sent: Tuesday, August 26, 2025 3:38 PM
To: Bill Manning <bmanning@sandereng.com>
Cc: Erik Miller <Emiller@sandereng.com>
Subject: RE: WQ0011290001 Jackrabbit Road Public Utility District

Good afternoon,

I am in the process of admin completing your application and I noticed that the review I have done on the mailing address needs to be verified.
The address on the Core Data Form, Section II, Item 15 has 1300 Post Oak Boulevard, Suite 2400, Houston, Texas 77056. Please verify that this is the correct address.

I could not verify the accuracy of the address on USPS. The address I found is: 1300 Post Oak Boulevard, Suite 1440, Houston, Texas 77056 or 1300 Post Oak Boulevard, Suite 1400, Houston, Texas 77056.
Please let me know if you have any questions.

Thank you,

Francesca Findlay
License & Permit Specialist
ARP Team | Water Quality Division
512-239-2441
Texas Commission on Environmental Quality

From: Francesca Findlay
Sent: Monday, August 4, 2025 5:07 PM
To: bmanning@sandereng.com
Cc: emiller@sandereng.com
Subject: FW: WQ0011290001 Jackrabbit Road Public Utility District

Dear Mr. Manning:

The attached Notice of Deficiency letter sent on August 4, 2025, requesting additional information needed to declare the application administratively complete. Please send the complete response to my attention August 19, 2025.

Thank you,

Francesca Findlay
License & Permit Specialist
ARP Team | Water Quality Division
512-239-2441
Texas Commission on Environmental Quality

Please consider whether it is necessary to print this e-mail

How is our customer service? Fill out our online customer satisfaction survey at http://www.tceq.texas.gov/customersurvey.