



Technical Package Cover Page

This file contains the following documents:

1. Summary of application (in plain language)
 - English
 - Alternative Language (Spanish)
 2. First notice (NORI-Notice of Receipt of Application and Intent to Obtain a Permit)
 - English
 - Alternative Language (Spanish)
 3. Second notice (NAPD-Notice of Preliminary Decision)
 - English
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 4. Application materials
 5. Draft permit
 6. Technical summary or fact sheet
-



Portada de Paquete Técnico

Este archivo contiene los siguientes documentos:

1. Resumen de la solicitud (en lenguaje sencillo)
 - Inglés
 - Idioma alternativo (español)
2. Primer aviso (NORI, Aviso de Recepción de Solicitud e Intención de Obtener un Permiso)
 - Inglés
 - Idioma alternativo (español)
3. Segundo aviso (NAPD, Aviso de Decisión Preliminar)
 - Inglés
 - Idioma alternativo (español)
4. Materiales de la solicitud
5. Proyecto de permiso
6. Resumen técnico u hoja de datos

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

This template is a guide to assist applicant's in developing a plain language summary as required by [30 Texas Administrative Code Chapter 39 Subchapter H](#). Applicant's may modify the template as necessary to accurately describe their facility as long as the summary includes the following information: (1) the function of the proposed plant or facility; (2) the expected output of the proposed plant or facility; (3) the expected pollutants that may be emitted or discharged by the proposed plant or facility; and (4) how the applicant will control those pollutants, so that the proposed plant will not have an adverse impact on human health or the environment.

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

If you are subject to the alternative language notice requirements in [30 Texas Administrative Code §39.426](#), **you must provide a translated copy of the completed plain language summary in the appropriate alternative language as part of your application package**. For your convenience, a Spanish template has been provided below.

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

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

Maverick County Water Control and Improvement District No.1 (CN600668438) operates Eagle Pass Power Station RN102096773. an industrial wastewater treatment facility. The facility is located 264 Power Plant Road, in Eagle Pass, Maverick County, Texas 78852. Request for renewal of permit authorizing the discharge of 116,000 GPD of treated industrial wastewater.

Discharges from the facility are expected to contain oil and grease..Industrial wastewater is treated by *a drain system to capture leaking water from the turbine shafts and equipment inside the plant. The drain system terminates in a common oil/water separator and sump. Oil is skimmed off the surface of the sump and is disposed of. Wastewater from the sump is monitored prior to discharge via external Outfall 001..*

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

AGUAS RESIDUALES INDUSTRIALES/AGUAS PLUVIALES

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

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

PERMIT NO. WQ0004149000

APPLICATION. Maverick County Water Control and Improvement District No. 1, 1622 Maverick Industrial Park Road, Eagle Pass, Texas 78852, which owns a hydroelectric power generation plant, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0004149000 (EPA I.D. No. TX0119580) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 116,000 gallons per day. The facility is located at 264 Power Plant Road, near the city of Eagle Pass, in Maverick County, Texas 78852. The discharge route is from the plant site to the Maverick County Canal; thence to Rio Grande Below Amistad Reservoir. TCEQ received this application on July 15, 2024. The permit application will be available for viewing and copying at Eagle Pass Public Library, 589 East Main Street, Eagle Pass, in Maverick 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=-100.5525,28.829722&level=18>

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.

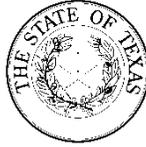
AGENCY CONTACTS AND INFORMATION. All public comments and requests must be submitted either electronically at <https://www14.tceq.texas.gov/epic/eComment/>, or in

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 Maverick County Water Control and Improvement District No. 1 at the address stated above or by calling Ms. Brenda McCalip, General Manager, at 830-773-5129.

Issuance Date: August 15, 2024

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

RENEWAL

Permit No. WQ0004149000

APPLICATION AND PRELIMINARY DECISION. Maverick County Water Control and Improvement District No. 1, 1622 Maverick Industrial Park Road, Eagle Pass, Texas 78852, which operates Eagle Pass Power Station, a hydroelectric power generation plant, has applied to the Texas Commission on Environmental Quality (TCEQ) for a renewal of Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0004149000, which authorizes the discharge of non-contact cooling water and previously monitored effluent (turbine leakage) at a daily maximum dry weather flow not to exceed 116,000 gallons per day via Outfall 001. The draft permit authorizes the discharge of turbine leakage at a daily maximum flow not to exceed 28,800 gallons per day via Outfall 001 (previously internal Outfall 101). Non-contact cooling water was removed from the draft permit as it was never discharged and placed in previous permit in error. The TCEQ received this application on July 15, 2024.

The facility is located at 264 Power Plant Road, near the City of Eagle Pass, Maverick County, Texas 78852. This link to an electronic map of the site or facility's general location is provided as a public courtesy and is not part of the application or notice. For the exact location, refer to the application.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-100.5525,28.829722&level=18>

The effluent is discharged to the Maverick County Canal, thence to Rio Grande Below Amistad Reservoir in Segment No. 2304 of the Rio Grande Basin. The unclassified receiving water uses are high aquatic life use for Maverick County Canal. The designated uses for Segment No. 2304 are primary contact recreation, public water supply, and high aquatic life use.

The TCEQ Executive Director has completed the technical review of the application and prepared a draft permit. The draft permit, if approved, would establish the conditions under which the facility must operate. The Executive Director has made a preliminary decision that this permit, if issued, meets all statutory and regulatory requirements. The permit application, Executive Director's preliminary decision, and draft permit are available for viewing and copying at Eagle Pass Public Library, 589 East Main Street, Eagle Pass, in Maverick County, Texas. The application, including any updates, and associated notices are available electronically at the following webpage:

<https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>

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>.

PUBLIC COMMENT / PUBLIC MEETING. You may submit public comments or request a public meeting about this application. The purpose of a public meeting is to provide the opportunity to submit written or oral comment or to ask questions about the application. Generally, the 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 public comments, the Executive Director will consider the comments and prepare a response to all relevant and material, or significant public comments. **The response to comments, along with the Executive Director's decision on the application, will be mailed to everyone who submitted public comments or who requested to be on a mailing list for this application. If comments are received, the mailing will also provide instructions for requesting a contested case hearing or reconsideration of the Executive Director's decision.** A contested case hearing is a legal proceeding similar to a civil trial in a state district court.

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

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

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

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

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

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

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

AGENCY CONTACTS AND INFORMATION. Public comments and requests must be submitted either electronically at <https://www.tceq.texas.gov/goto/comment>, or in writing to the Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105, P.O. Box 13087, Austin, Texas 78711-3087. 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 <https://www.tceq.texas.gov/agency/decisions/participation/permitting-participation>. Si desea información en Español, puede llamar al 1-800-687-4040. Further information may also be obtained from Maverick County Water Control and Improvement District No. 1 at the address stated above or by calling Ms. Brenda McCalip at 830-773-5129.

Issued: October 29, 2025

Comisión De Calidad Ambiental Del Estado De Texas



AVISO DE LA SOLICITUD Y DECISIÓN PRELIMINAR PARA EL PERMISO DEL SISTEMA DE ELIMINACION DE DESCARGAS DE CONTAMINANTES DE TEXAS (TPDES) PARA AGUAS RESIDUALES INDUSTRIALES

RENOVACIÓN

PERMISO NO. WQ 0004149000

SOLICITUD Y DECISIÓN PRELIMINAR. Maverick Control and Improvement District No. 1, 1622 Maverick Industrial Park Road, Eagle Pass, Texas 78852, que opera la Central Eléctrica Eagle Pass, una planta de generación de energía hidroeléctrica, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) la renovación del Permiso n. ° WQ0004149000 del Sistema de Eliminación de Descargas Contaminantes de Texas (TPDES), que autoriza la descarga de agua de refrigeración sin contacto y de efluentes previamente monitoreados (fugas de turbinas), con su caudal máximo diario en condiciones secas, que no exceda los 116,000 galones por día, a través del Emisario 001. El proyecto de permiso autoriza la descarga de fugas de turbinas con un caudal máximo diario que no exceda los 28,800 galones por día a través del Emisario 001 (anteriormente Emisario interno 101). El agua enfriamiento sin contacto se eliminó del borrador de permiso, ya que nunca se descargó y se incluyó por error en un permiso anterior. La TCEQ recibió esta solicitud el 15 de julio de 2024.

La planta está ubicada en 264 Power Plant Road, cerca de la ciudad de Eagle Pass, en el condado de Maverick, Texas. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación se proporciona como cortesía y no forma parte de la solicitud ni del aviso. Para conocer la ubicación exacta, consulte la solicitud.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-100.5525,28.829722&level=18>

El efluente se descarga al Canal del Condado de Maverick y, de allí, al Embalse Río Grande Debajo de la Amistad, en el Segmento n. ° 2304 de la Cuenca del Río Grande. Los usos no clasificados de las aguas receptoras son el uso de vida acuática en el canal del condado de Maverick. Los usos designados para el Segmento n. ° 234 son: recreación de contacto primario, suministro público de agua y uso de intensivo de vida acuática.

El Director Ejecutivo de la TCEQ ha completado la revisión técnica de la solicitud y ha preparado un borrador del permiso. El borrador del permiso, si es aprobado, establecería las condiciones bajo las cuales la instalación debe operar. El Director Ejecutivo ha tomado una decisión preliminar de que, si este permiso es emitido, cumple con todos los requisitos normativos y legales. La solicitud del permiso, la decisión preliminar del Director Ejecutivo y el borrador del permiso están disponibles para leer y copiar en la Biblioteca de Eagle Pass, ubicada en 589 East Main Street, Eagle Pass, Texas, Condado de Maverick, Texas. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web:

<https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>

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

COMENTARIO PUBLICO / REUNION PUBLICA. 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 PARA UNA AUDIENCIA DE CASO IMPUGNADO. Después de la fecha límite para los comentarios públicos, el director ejecutivo considerará los comentarios y preparará una respuesta a todos los comentarios públicos relevantes y materiales, o significativos. **La respuesta a los comentarios, junto con la decisión del director ejecutivo sobre la solicitud, se enviará por correo a todos los que enviaron comentarios públicos o que solicitaron estar en una lista de correo para esta solicitud. Si se reciben comentarios, el correo también proporcionará instrucciones para solicitar una audiencia de caso impugnado o reconsiderar la decisión del director ejecutivo.** Una audiencia de caso disputado es un procedimiento legal similar a un juicio civil en un tribunal de distrito estatal.

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. La TCEQ podrá tramitar una solicitud de renovación de un permiso para la descarga de aguas residuales sin brindar la oportunidad de una audiencia contenciosa si se cumplen ciertos criterios.**

La Comisión otorgará solamente una audiencia administrativa de lo contencioso sobre los hechos reales disputados del caso que son pertinentes y esenciales para la decisión de la Comisión sobre la solicitud. Además, la Comisión sólo otorgará una audiencia administrativa de lo contencioso sobre los asuntos que fueron presentados antes del plazo de vencimiento y que no fueron retirados posteriormente. Si ciertos criterios se cumplen, la TCEQ puede actuar sobre una solicitud para renovar un permiso para descargar aguas residuales sin proveer una oportunidad de una audiencia administrativa de lo contencioso.

ACCIÓN DEL DIRECTOR EJECUTIVO. El Director Ejecutivo puede emitir la aprobación final de la solicitud a menos que se presente una solicitud de audiencia de caso impugnado oportunamente o una solicitud de reconsideración. Si se presenta una solicitud de audiencia oportuna o una solicitud de reconsideración, el Director Ejecutivo no emitirá la aprobación final del permiso y enviará la solicitud y la petición a los Comisionados de la TCEQ para su consideración en una reunión programada de la Comisión.

LISTA DE CORREO. Si envía comentarios públicos, una solicitud de una audiencia de caso impugnado o una reconsideración de la decisión del Director Ejecutivo, se le agregará a la lista de correo para que esta solicitud reciba avisos públicos futuros enviadas por correo por la Oficina del Secretario Oficial. Además, puede solicitar ser colocado en: (1) la lista de correo permanente para un nombre de solicitante específico y número de permiso; y/o (2) la lista de correo para un condado específico. Para ser colocado en la lista de correo permanente y / o del condado, especifique claramente qué lista(s) y envíe su solicitud a la Oficina del Secretario Oficial de la TCEQ a la dirección a continuación.

Todos los comentarios públicos escritos y las solicitudes de reunión pública deben enviarse a la Office of the Chief Clerk, MC 105, TCEQ, P.O. Box 13087, Austin, TX 78711-3087 o electrónicamente a <https://www14.tceq.texas.gov/epic/eComment/> dentro de los 30 días a partir de la fecha de publicación de este aviso en el periódico.

INFORMACIÓN DISPONIBLE EN LÍNEA. Para obtener detalles sobre el estado de la solicitud, visite la Base de Datos Integrada de los Comisionados en www.tceq.texas.gov/goto/cid. Busque en la base de datos utilizando el número de permiso para esta solicitud, que se proporciona en la parte superior de este aviso.

CONTACTOS E INFORMACIÓN DE LA AGENCIA. Los comentarios y solicitudes públicas deben enviarse electrónicamente a <https://www14.tceq.texas.gov/epic/eComment/>, o por escrito a Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Cualquier información personal que envíe a al TCEQ pasará a formar parte del registro de la agencia; esto incluye las direcciones de correo electrónico. Para obtener más información sobre esta solicitud de permiso o el proceso de permisos, llame al Programa de Educación Pública de la TCEQ, sin cargo, al 1-800-687-4040 o visite su sitio web en www.tceq.texas.gov/goto/pep. Si desea información en español, puede llamar al 1-800-687-4040.

También se puede obtener información adicional del Maverick County Water Control and Improvement District No. 1 a la dirección indicada arriba o llamando a Ms. Brenda D. McCalip at (830)773-5129.

Fecha de emission: 29 de octubre de 2025

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

TCEQ INDUSTRIAL WASTEWATER PERMIT APPLICATION

INDUSTRIAL ADMINISTRATIVE REPORT 1.0

This report is required for all applications for TPDES permits and TLAPs. Contact the Applications Review and Processing Team at 512-239-4671 with any questions about completing this report

Item 1. Application Information and Fees (Instructions, Page 25)

a. Complete each field with the requested information, if applicable.

Applicant Name: Maverick County Water Control and Improvement District No.1 EPA ID No.: TX0119580

Permit No.: WO0004149000 Expiration Date: 1/10/2025

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

Industrial Wastewater (wastewater and stormwater)

Industrial Stormwater (stormwater only)

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

Active Inactive

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

TPDES Permit TLAP

e. Check the box next to the appropriate application type.

New

Renewal with changes

Renewal without changes

Major amendment with renewal

Major amendment without renewal

Minor amendment without renewal

Minor modification without renewal

f. If applying for an amendment or modification, describe the request: [Click to enter text.](#)

g. Application Fee

EPA Classification	New	Major Amend. (with or without renewal)	Renewal (with or without changes)	Minor Amend. / Minor Mod. (without renewal)
Minor facility not subject to EPA categorical effluent guidelines (40 CFR Parts 400-471)	<input type="checkbox"/> \$350	<input type="checkbox"/> \$350	<input checked="" type="checkbox"/> \$315	<input type="checkbox"/> \$150
Minor facility subject to EPA categorical effluent guidelines (40 CFR Parts 400-471)	<input type="checkbox"/> \$1,250	<input type="checkbox"/> \$1,250	<input type="checkbox"/> \$1,215	<input type="checkbox"/> \$150
Major facility	N/A ¹	<input type="checkbox"/> \$2,050	<input type="checkbox"/> \$2,015	<input type="checkbox"/> \$450

For TCEQ Use Only

Segment Number _____ County _____
 Expiration Date _____ Region _____

¹ All facilities are designated as minors until formally classified as a major by EPA.

h. Payment Information

Mailed

Check or money order No.: 16797 Check or money order amt.: \$315.00

Named printed on check or money order: Maverick County Water Control

Epay

Voucher number: Click to enter text. Copy of voucher attachment: Click to enter text.

Item 2. Applicant Information (Instructions, Pages 25)

a. Customer Number, if applicant is an existing customer: CN600668438

Note: Locate the customer number using the [TCEQ's Central Registry Customer Search](#)².

b. Legal name of the entity (applicant) applying for this permit: Maverick County Water Control and Improvement District No.1

Note: The owner of the facility must apply for the permit. The legal name must be spelled exactly as filed with the TX SOS, Texas Comptroller of Public Accounts, County, or in the legal documents forming the entity.

c. Name and title of the person signing the application. (Note: The person must be an executive official that meets signatory requirements in 30 TAC § 305.44.)

Mr. Ms. First/Last Name: Brenda McCalip

Title: General Manager

Credential: Click to enter text.

d. Will the applicant have overall financial responsibility for the facility?

Yes No

Note: The entity with overall financial responsibility for the facility must apply as a co-applicant, if not the facility owner.

Item 3. Co-applicant Information (Instructions, Page 26)

Check this box if there is no co-applicant.; otherwise, complete the below questions.

a. Legal name of the entity (co-applicant) applying for this permit: Click to enter text.

Note: The legal name must be spelled exactly as filed with the TX SOS, Texas Comptroller of Public Accounts, County, or in the legal documents forming the entity.

b. Customer Number (if applicant is an existing customer): CNClick to enter text.

Note: Locate the customer number using the TCEQ's Central Registry Customer Search.

c. Name and title of the person signing the application. (Note: The person must be an executive official that meets signatory requirements in 30 TAC § 305.44.)

Mr. Ms. First/Last Name: Click to enter text.

Title: Click to enter text.

Credential: Click to enter text.

d. Will the co-applicant have overall financial responsibility for the facility?

Yes No

² <https://www15.tceq.texas.gov/crpub/index.cfm?fuseaction=cust.CustSearch>

Note: The entity with overall financial responsibility for the facility must apply as a co-applicant, if not the facility owner.

Item 4. Core Data Form (Instructions, Pages 26)

- a. Complete one Core Data Form (TCEQ Form 10400) for each customer (applicant and co-applicant(s)) and include as an attachment. If the customer type selected on the Core Data Form is Individual, complete Attachment 1 of the Administrative Report. Attachment: D

Item 5. Application Contact Information (Instructions, Page 26)

Provide names of two individuals who can be contact for additional information about this application. Indicate if the individual can be contact about administrative or technical information, or both.

- a. Administrative Contact . Technical Contact
 Mr. Ms. Full Name (First and Last): Stephanie Landsman
Title: Click to enter text. Credential: Click to enter text.
Organization Name: Landsman Environmental LLC
Mailing Address: 9597 Jones Road #962
City: Jersey Village State: TX Zip Code: 77065
Phone No: 281-658-5899 Fax No: Click to enter text. Email: stephanie@landsmanenviro.com
- b. Administrative Contact . Technical Contact
 Mr. Ms. Full Name (First and Last): Brenda McCalip
Title: General Manager Credential: Click to enter text.
Organization Name: Maverick County Water Control and Improvement District No.1
Mailing Address: 1622 Maverick Industrial Park Road
City: Eagle Pass State: TX Zip Code: 78852
Phone No: 830-773-5129 Fax No: Click to enter text. Email: maverickcid1@gmail.com
Attachment: Click to enter text.

Item 6. Permit Contact Information (Instructions, Pages 26)

Provide two names of individuals that can be contacted throughout the permit term.

- a. Mr. Ms. Full Name (First and Last): Brenda McCalip
Title: General Manager Credential: Click to enter text.
Organization Name: Maverick County Water Control and Improvement District No.1
Mailing Address: 1622 Maverick Industrial Park Road
City: Eagle Pass State: TX Zip Code: 78852
Phone No: 830-773-5129 Fax No: Click to enter text. Email: maverickcid1@gmail.com
- b. Mr. Ms. Full Name (First and Last): 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: Click to enter text. State: Click to enter text. Zip Code: Click to enter text.

Phone No: [Click to enter text.](#) Fax No: [Click to enter text.](#) Email: [Click to enter text.](#)

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

Item 7. Billing Contact Information (Instructions, Page 27)

The permittee is responsible for paying the annual fee. The annual fee will be assessed for 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 (form TCEQ-20029).

Provide the complete mailing address where the annual fee invoice should be mailed and the name and phone number of the permittee's representative responsible for payment of the invoice.

Mr. Ms. Full Name (First and Last): Brenda McCalip

Title: General Manager Credential: Click to enter text.

Organization Name: Maverick County Water Control and Improvement District No.1

Mailing Address: 1622 Maverick Industrial Park Road

City: Eagle Pass State: TX Zip Code: 78852

Phone No: 830-773-5129 Fax No: Click to enter text. Email: maverickcid1@gmail.com

Item 8. DMR/MER Contact Information (Instructions, Page 27)

Provide the name and mailing address of the person delegated to receive and submit DMRs or MERs. Note: DMR data must be submitted through the NetDMR system. An electronic reporting account can be established once the facility has obtained the permit number.

Mr. Ms. Full Name (First and Last): Brenda McCalip

Title: General Manager Credential: Click to enter text.

Organization Name: Maverick County Water Control and Improvement District No.1

Mailing Address: 1622 Maverick Industrial Park Road

City: Eagle Pass State: TX Zip Code: 78852

Phone No: 830-773-5129 Fax No: Click to enter text. Email: maverickcid1@gmail.com

Item 9. NOTICE INFORMATION (Instructions, Pages 27)

a. Individual Publishing the Notices

Mr. Ms. Full Name (First and Last): Stephanie Landsman

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

Organization Name: Landsman Environmental LLC

Mailing Address: 9597 Jones Road #962

City: Jersey Village State: TX Zip Code: 77065

Phone No: 281-658-5899 Fax No: Click to enter text. Email: stephanie@landsmanenviro.com

b. Method for Receiving Notice of Receipt and Intent to Obtain a Water Quality Permit Package (only for NORI, NAPD will be sent via regular mail)

E-mail: stephanie@landsmanenviro.com

Fax: Click to enter text.

Regular Mail (USPS)

Mailing Address: Click to enter text.

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

c. Contact in the Notice

Mr. Ms Full Name (First and Last): Brenda McCalip

Title: General Manager Credential: Click to enter text.

Organization Name: Maverick County Water Control and Improvement District No.1

Phone No: 830-773-5129

Fax No: Click to enter text.

Email: maverickcid1@gmail.com

d. Public Viewing Location Information

Note: If the facility or outfall is located in more than one county, provide a public viewing place for each county.

Public building name: Eagle Pass Public Library
text.

Location within the building: Click to enter

Physical Address of Building: 589 Main Street

City: Eagle Pass County: Maverick

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 Item 8 (Regulated Entity and Permitted Site Information.)

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 N/A

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? Click to enter text.

f. Plain Language Summary Template - Complete the Plain Language Summary at the end of this application.

g. Complete one Public Involvement Plan (PIP) Form (TCEQ Form 20960) for each application for a new permit or major amendment and include as an attachment. Attachment: Click to enter text.

Item 10. Regulated Entity and Permitted Site Information (Instructions Pages 28-30)

a. TCEQ issued Regulated Entity Number (RN), if available: RN102096773

Note: If your business site is part of a larger business site, a Regulated Entity Number (RN) may already be assigned for the larger site. Use the RN assigned for the larger site. Search the TCEQ's Central Registry to determine the RN or to see if the larger site may already be registered as a Regulated Entity. If the site is found, provide the assigned RN.

b. Name of project or site (the name known by the community where located): Eagle Pass Power Station

c. Is the location address of the facility in the existing permit the same?

Yes No N/A (new permit)

Note: If the facility is located in Bexar, Comal, Hays, Kinney, Medina, Travis, Uvalde, or Williamson County, additional information concerning protection of the Edwards Aquifer may be required.

d. Owner of treatment facility:

Mr. Ms. Full Name (First and Last): Click to enter text.

or Organization Name: Maverick County Water Control and Improvement District No.1

Mailing Address: 1622 Maverick Industrial Park Road

City: Eagle Pass State: TX Zip Code: 78852

Phone No: 830-773-5129

Fax No: Click to enter text.

Email: maverickcid1@gmail.com

e. Ownership of facility: Public Private Both Federal

f. Owner of land where treatment facility is or will be: Click to enter text.

Mr. Ms. Full Name (First and Last): Click to enter text.

or Organization Name: Maverick County Water Control and Improvement District No.1

Mailing Address: 1622 Maverick Industrial Park Road

City: Eagle Pass State: TX Zip Code: 78852

Phone No: 830-773-5129

Fax No: Click to enter text.

Email: maverickcid1@gmail.com

Note: If not the same as the facility owner, attach a long-term lease agreement in effect for at least six years (In some cases, a lease may not suffice - see instructions). Attachment: Click to enter text.

g. Owner of effluent TLAP disposal site (if applicable): Click to enter text.

Mr. Ms. Full Name (First and Last): Click to enter text.

or Organization Name: Click to enter text.

Mailing Address: Click to enter text.

City: Click to enter text.

State: Click to enter text.

Zip Code: Click to enter text.

Phone No: Click to enter text.

Fax No: Click to enter text.

Email: Click to enter text.

Note: If not the same as the facility owner, attach a long-term lease agreement in effect for at least six years. Attachment: Click to enter text.

h. Owner of sewage sludge disposal site (if applicable):

Mr. Ms. Full Name (First and Last): Click to enter text.

or Organization Name: Click to enter text.

Mailing Address: [Click to enter text.](#)

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

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

Zip Code: [Click to enter text.](#)

Phone No: [Click to enter text.](#)

Fax No: [Click to enter text.](#)

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

Note: If not the same as the facility owner, attach a long-term lease agreement in effect for at least six years. Attachment: [Click to enter text.](#)

Item 11. TDPEs Discharge/TLAP Disposal Information (Instructions, Pages 30-32)

a. Is the facility located on or does the treated effluent cross Native American Land?

Yes No

b. Attach an original full size USGS Topographic Map (or an 8.5"x11" reproduced portion for renewal or amendment applications) with all required information. Check the box next to each item below to confirm it has been included on the map.

One-mile radius

Three-miles downstream information

Applicant's property boundaries

Treatment facility boundaries

Labeled point(s) of discharge

Highlighted discharge route(s)

Effluent disposal site boundaries

All wastewater ponds

Sewage sludge disposal site

New and future construction

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

c. Is the location of the sewage sludge disposal site in the existing permit accurate?

Yes No or New Permit

If no, or a new application, provide an accurate location description: [Click to enter text.](#)

d. Are the point(s) of discharge in the existing permit correct?

Yes No or New Permit

If no, or a new application, provide an accurate location description: [Click to enter text.](#)

e. Are the discharge route(s) in the existing permit correct?

Yes No or New Permit

If no, or a new permit, provide an accurate description of the discharge route: [Click to enter text.](#)

f. City nearest the outfall(s): Eagle Pass

g. County in which the outfalls(s) is/are located: Maverick

h. 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, attach copies of letters that show proof of contact and provide the approval letter upon receipt. Attachment: [Click to enter text.](#)

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: [Click to enter text.](#)

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

Yes No or New Permit

If no, or a new application, provide an accurate location description: [Click to enter text.](#)

- j. City nearest the disposal site: [Click to enter text.](#)
- k. County in which the disposal site is located: [Click to enter text.](#)
- l. Disposal Site Latitude: [Click to enter text.](#) Longitude: [Click to enter text.](#)
- m. For TLAPs, describe how effluent is/will be routed from the treatment facility to the disposal site: [Click to enter text.](#)
- n. For TLAPs, identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: [Click to enter text.](#)

Item 12. MISCELLANEOUS INFORMATION (Instructions, Page 32)

- a. 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: [Click to enter text.](#)
- b. Do you owe any fees to the TCEQ?
 Yes No
If yes, provide the account no.: [Click to enter text.](#) and total amount due: [Click to enter text.](#)
- c. Do you owe any penalties to the TCEQ?
 Yes No
If yes, provide the enforcement order no.: [Click to enter text.](#) and amount due: [Click to enter text.](#)

Item 13. SIGNATURE PAGE (Instructions, Pages 32-33)

Permit No: WQ0004149000

Applicant Name: Maverick County Water Control and Improvement District No. 1

Certification: I, Brenda McCalip, 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): Brenda McCalip

Signatory title: General Manager

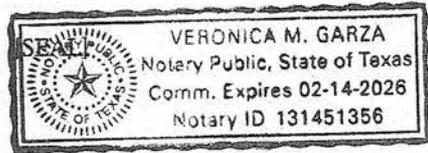
Signature: *BuJ*
(Use blue ink)

Date: 07/01/2024

Subscribed and Sworn to before me by the said Brenda McCalip
on this 1 day of July, 2024.
My commission expires on the 14 day of February, 2024.

Veronica Garza
Notary Public

Maverick
County, Texas



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

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

**FOR AGENCIES REVIEWING 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 36)

The SPIF must be completed as a separate document. The TCEQ will mail a copy of the SPIF to each agency as required by the TCEQ agreement with EPA. If any of the items are not completely addressed or further information is needed, you will be contacted to provide the information before the permit is issued. Each item must be completely addressed.

Do not refer to a response of any item in the permit application form. Each attachment must be provided with this form separately from the administrative report of the application. The application will not be declared administratively complete without this form being completed in its entirety including all attachments.

The following applies to all applications:

1. Permittee Name: Maverick County Water Control and Improvement District No.1
2. Permit No.: WO0004149000 EPA ID No.: TX0119580
3. Address of the project (location description that includes street/highway, city/vicinity, and county):
264 Power Plant Road, Eagle Pass, Maverick County
4. Provide the name, address, phone and fax number, and email address of an individual that can be contacted to answer specific questions about the property.

Full Name (First and Last): Brenda McCalip

Organization Name: Maverick County Water Control and Improvement District No.1 Mailing
Address: 1622 Maverick Industrial Park Road

City: Eagle Pass State: TX Zip Code: 78852

Phone No: 830-773-5129

Fax No: Click to enter text.

Email: maverickcid1@gmail.com

5. List the county in which the facility is located: Maverick
6. If the property is publicly owned and the owner is different than the permittee/applicant, please list the owner of the property: Click to enter text.

7. 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 the Maverick County Canal; thence to the Rio Grande Below Amistad Reservoir in Segment No. 2304 of the Rio Grande Basin
8. 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.) Attachment: B
9. Provide original photographs of any structures 50 years or older on the property. Attachment: N/A
10. 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
11. List proposed construction impact (surface acres to be impacted, depth of excavation, sealing of caves, or other karst features): N/A
12. Describe existing disturbances, vegetation, and land use: N/A

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

13. List construction dates of all buildings and structures on the property: Click to enter text.
14. Provide a brief history of the property, and name of the architect/builder, if known: Click to enter text.

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

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

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

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

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

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

Maverick County Water Control and Improvement District No.1 (CN600668438) operates Eagle Pass Power Station RN102096773. an industrial wastewater treatment facility. The facility is located 264 Power Plant Road, in Eagle Pass, Maverick County, Texas 78852. Request for renewal of permit authorizing the discharge of 116,000 GPD of treated industrial wastewater.

Discharges from the facility are expected to contain oil and grease..Industrial wastewater is treated by a drain system to capture leaking water from the turbine shafts and equipment inside the plant. The drain system terminates in a common oil/water separator and sump. Oil is skimmed off the surface of the sump and is disposed of. Wastewater from the sump is monitored prior to discharge via external Outfall 001..

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

AGUAS RESIDUALES INDUSTRIALES/AGUAS PLUVIALES

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

TECHNICAL REPORT 1.0

INDUSTRIAL

The following information is required for all applications for a TLAP or an individual TPDES discharge permit.

For additional information or clarification on the requested information, refer to the [Instructions for Completing the Industrial Wastewater Permit Application](#)¹ available on the TCEQ website.

If more than one outfall is included in the application, provide applicable information for each individual outfall. **If an item does not apply to the facility, enter N/A** to indicate that the item has been considered. Include separate reports or additional sheets as **clearly cross-referenced attachments** and provide the attachment number in the space provided for the item the attachment addresses.

NOTE: This application is for an industrial wastewater permit only. Additional authorizations from the TCEQ Waste Permits Division or the TCEQ Air Permits Division may be needed.

1. FACILITY/SITE INFORMATION (Instructions, Pages 39-40)

- a. Describe the general nature of the business and type(s) of industrial and commercial activities. Include all applicable SIC codes (up to 4).

Electric power generation

- b. Describe all wastewater-generating processes at the facility.

The facility contains a drain system to capture leaking water from the turbine shafts and equipment inside the plant. The drain system terminates in a common oil/water separator and sump. Oil is skimmed off the surface of the sump and is disposed of properly. Wastewater from the sump is monitored via internal outfall 101 prior to discharge via external outfall 001. The facility also utilizes non-contact cooling water in three small heat exchangers (turbine oil coolers) to cool hydraulic oil used for bearing lubrication and turbine control. There is no chemical treatment of the non-contact cooling water, and it is commingled with the previously monitored effluent from internal outfall 101 prior to discharge via outfall 001. The facility occasionally discharges intermittent volumes of non-process are storm water from roof rains on the main plant building that are also route to outfall 001 for discharge.

¹ https://www.tceq.texas.gov/permitting/wastewater/industrial/TPDES_industrial_wastewater_steps.html

- c. Provide a list of raw materials, major intermediates, and final products handled at the facility.

Materials List

Raw Materials	Intermediate Products	Final Products
water	Mechanical energy	electricity

Attachment: [redacted]

- d. Attach a facility map (drawn to scale) with the following information:
- Production areas, maintenance areas, materials-handling areas, waste-disposal areas, and water intake structures.
 - The location of each unit of the WWTP including the location of wastewater collection sumps, impoundments, outfalls, and sampling points, if significantly different from outfall locations.

Attachment: E

- e. Is this a new permit application for an existing facility?

Yes No

If yes, provide background discussion: [redacted]

- f. Is/will the treatment facility/disposal site be located above the 100-year frequency flood level.

Yes No

List source(s) used to determine 100-year frequency flood plain: Flood Hazard Boundary Map- Maverick County

If no, provide the elevation of the 100-year frequency flood plain and describe what protective measures are used/proposed to prevent flooding (including tail water and rainfall run-on controls) of the treatment facility and disposal area: [redacted]

Attachment: [redacted]

5. For new or major amendment permit applications, will any construction operations result in a discharge of fill material into a water in the state?

Yes No N/A (renewal only)

- h. If yes to Item 1.g, has the applicant applied for a USACE CWA Chapter 404 Dredge and Fill permit?

Yes No

If yes, provide the permit number: [redacted]

If no, provide an approximate date of application submittal to the USACE: [redacted]

2. TREATMENT SYSTEM (Instructions, Page 40)

- a. List any physical, chemical, or biological treatment process(es) used/proposed to treat wastewater at this facility. Include a description of each treatment process, starting with initial treatment and finishing with the outfall/point of disposal.

Filtration (traveling screens) is accomplished at the plant's intake structure for removal of solid debris for the pass-through water and the make-up water for the turbine oil coolers. Solid debris is removed and handled/removed as a solid waste by the Maverick County Irrigation District. Oil/water separator is used in conjunction with the sump at internal outfall 101 for separation/removal of oil and/or oily debris prior to commingling with non-contact cooling water from the turbine oil coolers and/or intermittent storm water from the roof drains. The commingled waste streams are then ultimately discharged via external outfall 001.

- b. Attach a flow schematic **with a water balance** showing all sources of water and wastewater flow into the facility, wastewater flow into and from each treatment unit, and wastewater flow to each outfall/point of disposal.

Attachment: C

3. IMPOUNDMENTS (Instructions, Pages 40-42)

Does the facility use or plan to use any wastewater impoundments (e.g., lagoons or ponds)?

Yes No

If **no**, proceed to Item 4. If **yes**, complete **Item 3.a** for **existing** impoundments and **Items 3.a - 3.e** for **new or proposed** impoundments. **NOTE:** See instructions, Pages 40-42, for additional information on the attachments required by Items 3.a - 3.e.

- a. Complete the table with the following information for each existing, new, or proposed impoundment:

Use Designation: Indicate the use designation for each impoundment as Treatment (**T**), Disposal (**D**), Containment (**C**), or Evaporation (**E**).

Associated Outfall Number: Provide an outfall number if a discharge occurs or will occur.

Liner Type: Indicate the liner type as Compacted clay liner (**C**), In-situ clay liner (**I**), Synthetic/plastic/rubber liner (**S**), or Alternate liner (**A**). **NOTE:** See instructions for further detail on liner specifications. If an alternate liner (**A**) is selected, include an attachment that provides a description of the alternate liner and any additional technical information necessary for an evaluation.

Leak Detection System: If any leak detection systems are in place/planned, enter **Y** for yes. Otherwise, enter **N** for no.

Groundwater Monitoring Wells and Data: If groundwater monitoring wells are in place/planned, enter **Y** for yes. Otherwise, enter **N** for no. Attach any existing groundwater monitoring data.

Dimensions: Provide the dimensions, freeboard, surface area, storage capacity of the impoundments, and the maximum depth (not including freeboard). For impoundments with irregular shapes, submit surface area instead of length and width.

Compliance with 40 CFR Part 257, Subpart D: If the impoundment is required to be in compliance with 40 CFR Part 257, Subpart D, enter **Y** for yes. Otherwise, enter **N** for no.

Date of Construction: Enter the date construction of the impoundment commenced (mm/dd/yy).

Impoundment Information

Parameter	Pond #	Pond #	Pond #	Pond #
Use Designation: (T) (D) (C) or (E)				
Associated Outfall Number				
Liner Type (C) (I) (S) or (A)				
Alt. Liner Attachment Reference				
Leak Detection System, Y/N				
Groundwater Monitoring Wells, Y/N				
Groundwater Monitoring Data Attachment				
Pond Bottom Located Above The Seasonal High-Water Table, Y/N				
Length (ft)				
Width (ft)				
Max Depth From Water Surface (ft), Not Including Freeboard				
Freeboard (ft)				
Surface Area (acres)				
Storage Capacity (gallons)				
40 CFR Part 257, Subpart D, Y/N				
Date of Construction				

Impoundment Information

Parameter	Pond #	Pond #	Pond #	Pond #
Use Designation: (T) (D) (C) or (E)				
Associated Outfall Number				
Liner Type (C) (I) (S) or (A)				
Alt. Liner Attachment Reference				
Leak Detection System, Y/N				
Groundwater Monitoring Wells, Y/N				
Groundwater Monitoring Data Attachment				
Pond Bottom Located Above The Seasonal High-Water Table, Y/N				
Length (ft)				
Width (ft)				
Max Depth From Water Surface (ft), not including freeboard				
Freeboard (ft)				
Surface Area (acres)				
Storage Capacity (gallons)				
40 CFR Part 257, Subpart D, Y/N				
Date of Construction				

Attachment: [REDACTED]

The following information (**Items 3.b – 3.e**) is required only for **new or proposed** impoundments.

b. For new or proposed impoundments, attach any available information on the following items. If attached, check **yes** in the appropriate box. Otherwise, check **no** or **not yet designed**.

i. Liner data

Yes No Not yet designed

ii. Leak detection system or groundwater monitoring data

Yes No Not yet designed

iii. Groundwater impacts

Yes No Not yet designed

NOTE: Item b.iii is required if the bottom of the pond is not above the seasonal high-water table in the shallowest water-bearing zone.

Attachment: _____

For TLAP applications: Items 3.c – 3.e are not required, continue to Item 4.

c. Attach a USGS map or a color copy of original quality and scale which accurately locates and identifies all known water supply wells and monitor wells within 1/2-mile of the impoundments.

Attachment: _____

d. Attach copies of State Water Well Reports (e.g., driller's logs, completion data, etc.), and data on depths to groundwater for all known water supply wells including a description of how the depths to groundwater were obtained.

Attachment: _____

e. Attach information pertaining to the groundwater, soils, geology, pond liner, etc. used to assess the potential for migration of wastes from the impoundments or the potential for contamination of groundwater or surface water.

Attachment: _____

4. OUTFALL/DISPOSAL METHOD INFORMATION (Instructions, Pages 42-43)

Complete the following tables to describe the location and wastewater discharge or disposal operations for each outfall for discharge operations, and for each point of disposal for TLAP operations.

If there are more outfalls/points of disposal at the facility than the spaces provided, copies of pages 6 and/or numbered accordingly (i.e., page 6a, 6b, etc.) may be used to provide information on the additional outfalls.

For TLAP applications: Indicate the disposal method and each individual irrigation area **I**, evaporation pond **E**, or subsurface drainage system **S** by providing the appropriate letter designation for the disposal method followed by a numerical designation for each disposal area in the space provided for **Outfall** number (e.g. **E1** for evaporation pond 1, **I2** for irrigation area No. 2, etc.).

Outfall Latitude and Longitude

Outfall Number	Latitude-decimal degrees	Longitude-decimal degrees
001	28.829167	-100.550833
101	28.829167	-100.550833

Outfall Location Description

Outfall Number	Location Description
001	Discharge-side of sump in plant prior to being routed into discharge canal via pipe
101	Oil/water separator in plant

Description of Sampling Points (if different from Outfall location)

Outfall Number	Description of Sampling Point
	saa

Outfall Flow Information – Permitted and Proposed

Outfall Number	Permitted Daily Avg Flow (MGD)	Permitted Daily Max Flow (MGD)	Proposed Daily Avg Flow (MGD)	Proposed Daily Max Flow (MGD)	Anticipated Discharge Date (mm/dd/yy)
001	Report	0.116	N/A	N/A	N/A
101	Report	0.0288	N/A	N/A	N/A

Outfall Discharge – Method and Measurement

Outfall Number	Pumped Discharge? Y/N	Gravity Discharge? Y/N	Type of Flow Measurement Device Used
001	N	Y	Estimated
101	Y	N	Estimated

Outfall Discharge – Flow Characteristics

Outfall Number	Intermittent Discharge? Y/N	Continuous Discharge? Y/N	Seasonal Discharge? Y/N	Discharge Duration (hrs/day)	Discharge Duration (days/mo)	Discharge Duration (mo/yr)
001	N	Y	N	24	31	12

Attachment: [REDACTED]

5. BLOWDOWN AND ONCE-THROUGH COOLING WATER DISCHARGES (Instructions, Page 44)

a. Does the facility use/propose to use any cooling towers which discharge blowdown or other wastestreams to the outfall(s)?

Yes No

NOTE: If the facility uses or plans to use cooling towers, Item 12 is required.

b. Does the facility use or plan to use any boilers that discharge blowdown or other wastestreams to the outfall(s)?

Yes No

c. Does or will the facility discharge once-through cooling water to the outfall(s)?

Yes No

NOTE: If the facility uses or plans to use once-through cooling water, Item 12 is required.

d. If yes to Items 5.a, 5.b, or 5.c, attach the SDS with the following information for each chemical additive.

- Manufacturer's Product Identification Number
- Product use (e.g., biocide, fungicide, corrosion inhibitor, etc.)
- Chemical composition including CASRN for each ingredient
- Classify product as non-persistent, persistent, or bioaccumulative
- Product or active ingredient half-life
- Frequency of product use (e.g., 2 hours/day once every two weeks)
- Product toxicity data specific to fish and aquatic invertebrate organisms
- Concentration of whole product or active ingredient, as appropriate, in wastestream.

Attach a summary of this information in addition to the submittal of the SDS for each specific wastestream and the associated chemical additives and specify which outfalls are affected.

Attachment: _____

e. Cooling Towers and Boilers

If yes to either Item 5.a or 5.b, complete the following table.

Cooling Towers and Boilers

Type of Unit	Number of Units	Dly Avg Blowdown (gallons/day)	Dly Max Blowdown (gallons/day)
Cooling Towers	0	0	0
Boilers	0	0	0

6. STORMWATER MANAGEMENT (Instructions, Page 44)

Are there any existing/proposed outfalls which discharge stormwater associated with industrial activities, as defined at 40 CFR § 122.26(b)(14), commingled with any other wastestream?

Yes No

If yes, briefly describe the industrial processes and activities that occur outdoors or in some manner which may result in exposure of the activities or materials to stormwater: _____

7. DOMESTIC SEWAGE, SEWAGE SLUDGE, AND SEPTAGE MANAGEMENT AND DISPOSAL (Instructions, Page 45)

Domestic Sewage - Waste and wastewater from humans or household operations that is discharged to a wastewater collection system or otherwise enters a treatment works.

- a. Check the box next to the appropriate method of domestic sewage and domestic sewage sludge treatment or disposal. Complete Worksheet 5.0 or Item 7.b if directed to do so.
- Domestic sewage is routed (i.e., connected to or transported to) to a WWTP permitted to receive domestic sewage for treatment, disposal, or both. **Complete Item 7.b.**
 - Domestic sewage disposed of by an on-site septic tank and drainfield system. **Complete Item 7.b.**
 - Domestic and industrial treatment sludge **ARE commingled** prior to use or disposal.
 - Industrial wastewater and domestic sewage are treated separately, and the respective sludge **IS NOT commingled** prior to sludge use or disposal. **Complete Worksheet 5.0.**
 - Facility is a POTW. **Complete Worksheet 5.0.**
 - Domestic sewage is not generated on-site.
 - Other (e.g., portable toilets), specify and **Complete Item 7.b:** _____
- b. Provide the name and TCEQ, NPDES, or TPDES Permit No. of the waste-disposal facility which receives the domestic sewage/septage. If hauled by motorized vehicle, provide the name and TCEQ Registration No. of the hauler.

Domestic Sewage Plant/Hauler Name

Plant/Hauler Name	Permit/Registration No.
Siesta Septic Service	24054

8. IMPROVEMENTS OR COMPLIANCE/ENFORCEMENT REQUIREMENTS (Instructions, Page 45)

- a. Is the permittee currently required to meet any implementation schedule for compliance or enforcement?
- Yes No
- b. Has the permittee completed or planned for any improvements or construction projects?
- Yes No
- c. If **yes** to either 8.a or 8.b, provide a brief summary of the requirements and a status update: _____

9. TOXICITY TESTING (Instructions, Page 45)

Have any biological tests for acute or chronic toxicity been made on any of the discharges or on a receiving water in relation to the discharge within the last three years?

- Yes No

If **yes**, identify the tests and describe their purposes: _____

Additionally, attach a copy of all tests performed which **have not** been submitted to the TCEQ or EPA.

Attachment: [REDACTED]

10. OFF-SITE/THIRD PARTY WASTES (Instructions, Page 45)

a. Does or will the facility receive wastes from off-site sources for treatment at the facility, disposal on-site via land application, or discharge via a permitted outfall?

- Yes No

If yes, provide responses to Items 10.b through 10.d below.

If no, proceed to Item 11.

b. Attach the following information to the application:

- List of wastes received (including volumes, characterization, and capability with on-site wastes).
- Identify the sources of wastes received (including the legal name and addresses of the generators).
- Description of the relationship of waste source(s) with the facility's activities.

Attachment: [REDACTED]

c. Is or will wastewater from another TCEQ, NPDES, or TPDES permitted facility commingled with this facility's wastewater after final treatment and prior to discharge via the final outfall/point of disposal?

- Yes No

If yes, provide the name, address, and TCEQ, NPDES, or TPDES permit number of the contributing facility and a copy of any agreements or contracts relating to this activity.

Attachment: [REDACTED]

d. Is this facility a POTW that accepts/will accept process wastewater from any SIU and has/is required to have an approved pretreatment program under the NPDES/TPDES program?

- Yes No

If yes, **Worksheet 6.0** of this application is required.

11. RADIOACTIVE MATERIALS (Instructions, Pages 46)

a. Are/will radioactive materials be mined, used, stored, or processed at this facility?

- Yes No

If yes, use the following table to provide the results of one analysis of the effluent for all radioactive materials that may be present. Provide results in pCi/L.

Radioactive Materials Mined, Used, Stored, or Processed

Radioactive Material	Concentration (pCi/L)

- b. Does the applicant or anyone at the facility have any knowledge or reason to believe that radioactive materials may be present in the discharge, including naturally occurring radioactive materials in the source waters or on the facility property?

Yes No

If **yes**, use the following table to provide the results of one analysis of the effluent for all radioactive materials that may be present. Provide results in pCi/L. Do not include information provided in response to Item 11.a.

Radioactive Materials Present in the Discharge

Radioactive Material	Concentration (pCi/L)

12. COOLING WATER (Instructions, Pages 46-47)

- a. Does the facility use or propose to use water for cooling purposes?

Yes No

If **no**, stop here. If **yes**, complete Items 12.b thru 12.f.

- b. Cooling water is/will be obtained from a groundwater source (e.g., on-site well).

Yes No

If **yes**, stop here. If **no**, continue.

- c. Cooling Water Supplier

- i. Provide the name of the owner(s) and operator(s) for the CWIS that supplies or will supply water for cooling purposes to the facility.

Cooling Water Intake Structure(s) Owner(s) and Operator(s)

CWIS ID				
Owner				
Operator				

- ii. Cooling water is/will be obtained from a Public Water Supplier (PWS)

Yes No

If **no**, continue. If **yes**, provide the PWS Registration No. and stop here: PWS No. _____

- iii. Cooling water is/will be obtained from a reclaimed water source?

Yes No

If **no**, continue. If **yes**, provide the Reuse Authorization No. and stop here: _____

iv. Cooling water is/will be obtained from an Independent Supplier

Yes No

If **yes**, provide the actual intake flow of the Independent Supplier's CWIS that is/will be used to provide water for cooling purposes to the facility and proceed: _____

If **no**, proceed to Item 12.d.

d. 316(b) General Criteria

i. The CWIS(s) used to provide water for cooling purposes to the facility has or will have a cumulative design intake flow of 2 MGD or greater.

Yes No

ii. At least 25% of the total water withdrawn by the CWIS is/will be used at the facility exclusively for cooling purposes on an annual average basis.

Yes No

iii. The CWIS(s) withdraw(s)/propose(s) to withdraw water for cooling purposes from surface waters that meet the definition of Waters of the United States in 40 CFR § 122.2.

Yes No

If **no**, provide an explanation of how the waterbody does not meet the definition of Waters of the United States in 40 CFR § 122.2: _____

If **yes** to all three questions in Item 12.d, the facility **meets** the minimum criteria to be subject to the full requirements of Section 316(b) of the CWA. Proceed to **Item 12.f**.

If **no** to any of the questions in Item 12.d, the facility **does not meet** the minimum criteria to be subject to the full requirements of Section 316(b) of the CWA; however, a determination is required based upon BPJ. Proceed to **Item 12.e**.

e. The facility does not meet the minimum requirements to be subject to the fill requirements of Section 316(b) and **uses/proposes to use cooling towers**.

Yes No

If **yes**, stop here. If **no**, complete Worksheet 11.0, Items 1(a), 1(b)(i-iii) and (vi), 2(b)(i), and 3(a) to allow for a determination based upon BPJ.

f. Oil and Gas Exploration and Production

i. The facility is subject to requirements at 40 CFR Part 435, Subparts A or D.

Yes No

If **yes**, continue. If **no**, skip to Item 12.g.

ii. The facility is an existing facility as defined at 40 CFR § 125.92(k) or a new unit at an existing facility as defined at 40 CFR § 125.92(u).

Yes No

If **yes**, complete Worksheet 11.0, Items 1(a), 1(b)(i-iii) and (vi), 2(b)(i), and 3(a) to allow for a determination based upon BPJ. If **no**, skip to Item 12.g.iii.

g. Compliance Phase and Track Selection

i. Phase I – New facility subject to 40 CFR Part 125, Subpart I

Yes No

If **yes**, check the box next to the facility's compliance track selection, attach the requested information, and complete Worksheet 11.0, Items 2 and 3, and Worksheet 11.2.

- Track I – AIF greater than 2 MGD, but less than 10 MGD
 - Attach information required by 40 CFR §§ 125.86(b)(2)-(4).
- Track I – AIF greater than 10 MGD
 - Attach information required by 40 CFR § 125.86(b).
- Track II
 - Attach information required by 40 CFR § 125.86(c).

Attachment: [REDACTED]

ii. Phase II – Existing facility subject to 40 CFR Part 125, Subpart J

Yes No

If **yes**, complete Worksheets 11.0 through 11.3, as applicable.

iii. Phase III – New facility subject to 40 CFR Part 125, Subpart N

Yes No

If **yes**, check the box next to the facility's compliance track selection and provide the requested information.

- Track I – Fixed facility
 - Attach information required by 40 CFR § 125.136(b) and complete Worksheet 11.0, Items 2 and 3, and Worksheet 11.2.
- Track I – Not a fixed facility
 - Attach information required by 40 CFR § 125.136(b) and complete Worksheet 11.0, Item 2 (except the CWIS latitude and longitude under Item 2.a).
- Track II – Fixed facility
 - Attach information required by 40 CFR § 125.136(c) and complete Worksheet 11.0, Items 2 and 3.

Attachment: [REDACTED]

NOTE: Item 13 is required only for existing permitted facilities.

13. PERMIT CHANGE REQUESTS (Instructions, Pages 49-50)

a. Is the facility requesting a **major amendment** of an existing permit?

Yes No

If **yes**, list each request individually and provide the following information: 1) detailed information regarding the scope of each request and 2) a justification for each request. Attach any supplemental information or additional data to support each request.

b. Is the facility requesting any **minor amendments** to the permit?

Yes No

If **yes**, list and discuss the requested changes.

c. Is the facility requesting any **minor modifications** to the permit?

Yes No

If **yes**, list and discuss the requested changes.

WORKSHEET 2.0 POLLUTANT ANALYSES REQUIREMENTS

Worksheet 2.0 is required for all applications submitted for a TPDES permit. Worksheet 2.0 is not required for applications for a permit to dispose of all wastewater by land disposal or for discharges solely of stormwater associated with industrial activities.

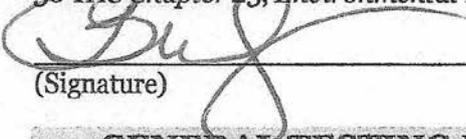
1. LABORATORY ACCREDITATION (Instructions, Page 56)

Effective July 1, 2008, all laboratory tests performed must meet the requirements of 30 TAC Chapter 25, *Environmental Testing Laboratory Accreditation and Certification* with the following general exemptions:

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

Review 30 TAC Chapter 25 for specific requirements. The following certification statement shall be signed and submitted with every application. See Instructions, Page 34, for a list of approved signatories.

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



(Signature)

2. GENERAL TESTING REQUIREMENTS (Instructions, Pages 56-58)

- a. Provide the date range of all sampling events conducted to obtain the analytical data submitted with this application (e.g., 05/01/2018-05/30/2018): _____
- b. Check the box to confirm all samples were collected no more than 12 months prior to the date of application submittal.
- c. Read the general testing requirements in the instructions for important information about sampling, test methods, and MALs. If a contact laboratory was used, attach a list which includes the name, contact information, and pollutants analyzed for each laboratory/firm. **Attachment:** _____

3. SPECIFIC TESTING REQUIREMENTS (Instructions, Pages 58-69)

Attach correspondence from TCEQ approving submittal of less than the required number of samples, if applicable. **Attachment:** _____

TABLE 1 and TABLE 2 (Instructions, Page 58)

Completion of Tables 1 and 2 is required for all external outfalls for all TPDES permit applications.

WORKSHEET 4.0 RECEIVING WATERS

This worksheet is **required** for all TPDES permit applications.

1. DOMESTIC DRINKING WATER SUPPLY (Instructions, Page 81)

a. There is a surface water intake for domestic drinking water supply located within 5 (five) miles downstream from the point/proposed point of discharge.

Yes No

If **no**, stop here and proceed to Item 2. If **yes**, provide the following information:

i. The legal name of the owner of the drinking water supply intake: _____

v. The distance and direction from the outfall to the drinking water supply intake: _____

b. Locate and identify the intake on the USGS 7.5-minute topographic map provided for Administrative Report 1.0.

Check this box to confirm the above requested information is provided.

2. DISCHARGE INTO TIDALLY INFLUENCED WATERS (Instructions, Page 81)

If the discharge is to tidally influenced waters, complete this section. Otherwise, proceed to Item 3.

a. Width of the receiving water at the outfall: _____ feet

b. Are there oyster reefs in the vicinity of the discharge?

Yes No

If **yes**, provide the distance and direction from the outfall(s) to the oyster reefs: _____

c. Are there sea grasses within the vicinity of the point of discharge?

Yes No

If **yes**, provide the distance and direction from the outfall(s) to the grasses: _____

3. CLASSIFIED SEGMENT (Instructions, Page 81)

The discharge is/will be directly into (or within 300 feet of) a classified segment.

Yes No

If **yes**, stop here. It is not necessary to complete Items 4 and 5 of this worksheet or Worksheet 4.1.

If **no**, complete Items 4 and 5 and Worksheet 4.1 may be required.

4. DESCRIPTION OF IMMEDIATE RECEIVING WATERS (Instructions, Page 82)

a. Name of the immediate receiving waters: _____

b. Check the appropriate description of the immediate receiving waters:

- | | |
|---|---|
| <input type="checkbox"/> Lake or Pond | <input checked="" type="checkbox"/> Man-Made Channel or Ditch |
| • Surface area (acres): _____ | <input type="checkbox"/> Stream or Creek |
| • Average depth of the entire water body (feet): _____ | <input type="checkbox"/> Freshwater Swamp or Marsh |
| • Average depth of water body within a 500-foot radius of the discharge point (feet): _____ | <input type="checkbox"/> Tidal Stream, Bayou, or Marsh |
| | <input type="checkbox"/> Open Bay |
| | <input type="checkbox"/> Other, specify: _____ |

If **Man-Made Channel or Ditch** or **Stream or Creek** were selected above, provide responses to Items 4.c – 4.g below:

c. For **existing discharges**, check the description below that best characterizes the area **upstream** of the discharge.

For **new discharges**, check the description below that best characterizes the area **downstream** of the discharge.

- Intermittent (dry for at least one week during most years)
- Intermittent with Perennial Pools (enduring pools containing habitat to maintain aquatic life uses)
- Perennial (normally flowing)

Check the source(s) of the information used to characterize the area upstream (existing discharge) or downstream (new discharge):

- USGS flow records
- personal observation
- historical observation by adjacent landowner(s)
- other, specify: _____

d. List the names of all perennial streams that join the receiving water within three miles downstream of the discharge point: Rio Grande River

e. 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**, describe how: _____

f. General observations of the water body during normal dry weather conditions: water is generally clouded with a greenish-gray color; water received from the irrigation district is sometimes turbid.

Date and time of observation: _____

g. The water body was influenced by stormwater runoff during observations.

- Yes No

If **yes**, describe how: _____

5. GENERAL CHARACTERISTICS OF WATER BODY (Instructions, Page 82)

a. Is the receiving water upstream of the existing discharge or proposed discharge site influenced by any of the following (check all that apply):

- | | |
|--|---|
| <input checked="" type="checkbox"/> oil field activities | <input type="checkbox"/> urban runoff |
| <input checked="" type="checkbox"/> agricultural runoff | <input type="checkbox"/> septic tanks |
| <input checked="" type="checkbox"/> upstream discharges | <input type="checkbox"/> other, specify: [redacted] |

b. Uses of water body observed or evidence of such uses (check all that apply):

- | | | |
|--|--|---|
| <input checked="" type="checkbox"/> livestock watering | <input type="checkbox"/> fishing | <input type="checkbox"/> picnic/park activities |
| <input checked="" type="checkbox"/> non-contact recreation | <input type="checkbox"/> industrial water supply | <input type="checkbox"/> other, specify: [redacted] |
| <input type="checkbox"/> domestic water supply | <input type="checkbox"/> irrigation withdrawal | [redacted] |
| <input type="checkbox"/> contact recreation | <input type="checkbox"/> navigation | |

c. Description which best describes the aesthetics of the receiving water and the surrounding area (check only one):

- Wilderness:** outstanding natural beauty; usually wooded or un-pastured area; water clarity exceptional
- Natural Area:** trees or native vegetation common; 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

WORKSHEET 6.0 INDUSTRIAL WASTE CONTRIBUTION

This worksheet is required for all applications for publicly-owned treatment works (POTWs).

For an explanation of the terms used in this worksheet, refer to the General Definitions on pages 4-12 and the Definitions Relating to Pretreatment on pages 13-14 of the Instructions.

1. ALL POTWS (Instructions, Page 87)

- a. Complete the following table with the number of each type of industrial users (IUs) that discharge to the POTW and the daily average flows from each.

Industrial User Information

Type of Industrial User	Number of Industrial Users	Daily Average Flow (gallons per day)
CIU	0	0
SIU - Non-categorical	0	0
Other IU	0	0

- b. In the past three years, has the POTW experienced treatment plant interference?

Yes No

If **yes**, identify the date(s), duration, nature of interference, and probable cause(s) and possible source(s) of each interference event. Include the names of the IU(s) that may have caused the interference: _____

- c. In the past three years, has the POTW experienced pass-through?

Yes No

If **yes**, identify the date(s), duration, pollutants passing through the treatment plant, and probable cause(s) and possible source(s) of each pass-through event. Include the names of the IU(s) that may have caused the pass-through: _____

- d. Does the POTW have, or is it required to develop, an approved pretreatment program?

Yes No

If **yes**, answer all questions in Item 2 and skip Item 3.

If **no**, skip Item 2 and answer all questions in Item 3 for each significant industrial user and categorical industrial user.

2. POTWS WITH APPROVED PRETREATMENT PROGRAMS OR THOSE REQUIRED TO DEVELOP A PRETREATMENT PROGRAM (Instructions, Pages 87-88)

- a. Have there been any substantial modifications to the POTW's approved pretreatment program that have not been submitted to the Approval Authority (TCEQ) for approval according to 40 CFR § 403.18?

Yes No

If **yes**, include an attachment which identifies all substantial modifications that have not been submitted to the TCEQ and the purpose of the modifications.

Attachment: _____

b. Have there been any non-substantial modifications to the POTW's approved pretreatment program that have not been submitted to the Approval Authority (TCEQ)?

Yes No

If **yes**, include an attachment which identifies all non-substantial modifications that have not been submitted to the TCEQ and the purpose of the modification.

Attachment: [REDACTED]

c. List all parameters measured above the MAL in the POTW's effluent monitoring during the last three years:

Effluent Parameters Measured Above the MAL

Pollutant	Concentration	MAL	Units	Date

Attachment: [REDACTED]

d. Has any SIU, CIU, or other IU caused or contributed to any other problems (excluding interference or pass-through) at the POTW in the past three years?

Yes No

If **yes**, provide a description of each episode, including date(s), duration, description of problems, and probable pollutants. Include the name(s) of the SIU(s)/CIU(s)/other IU(s) that may have caused or contributed to any of the problems: [REDACTED]

3. SIGNIFICANT INDUSTRIAL USER AND CATEGORICAL INDUSTRIAL USER INFORMATION (Instructions, Pages 88-89)

POTWs that **do not** have an approved pretreatment program **are required** to provide the following information for each SIU and CIU:

a. Mr. or Ms.: N/A First/Last Name: [REDACTED]
 Organization Name: [REDACTED] SIC Code: [REDACTED]
 Phone number: [REDACTED] Email address: [REDACTED]
 Physical Address: [REDACTED] City/State/ZIP Code: [REDACTED]

Attachment: [REDACTED]

b. Describe the industrial processes or other activities that affect or contribute to the SIU(s) or CIU(s) discharge (e.g., process and non-process wastewater): [REDACTED]

Attachment: [REDACTED]

c. Provide a description of the principal products(s) or service(s) performed: [REDACTED]

Attachment Index

Attachment

Title

A	Original USGS Topographic Map
B	Site Drawing
C	Flow Diagram
D	Core Data Form
E	Facility Diagram

Attachment A

Original Topographic Map

Property Boundary /
Area Served

1 Mi. Radius

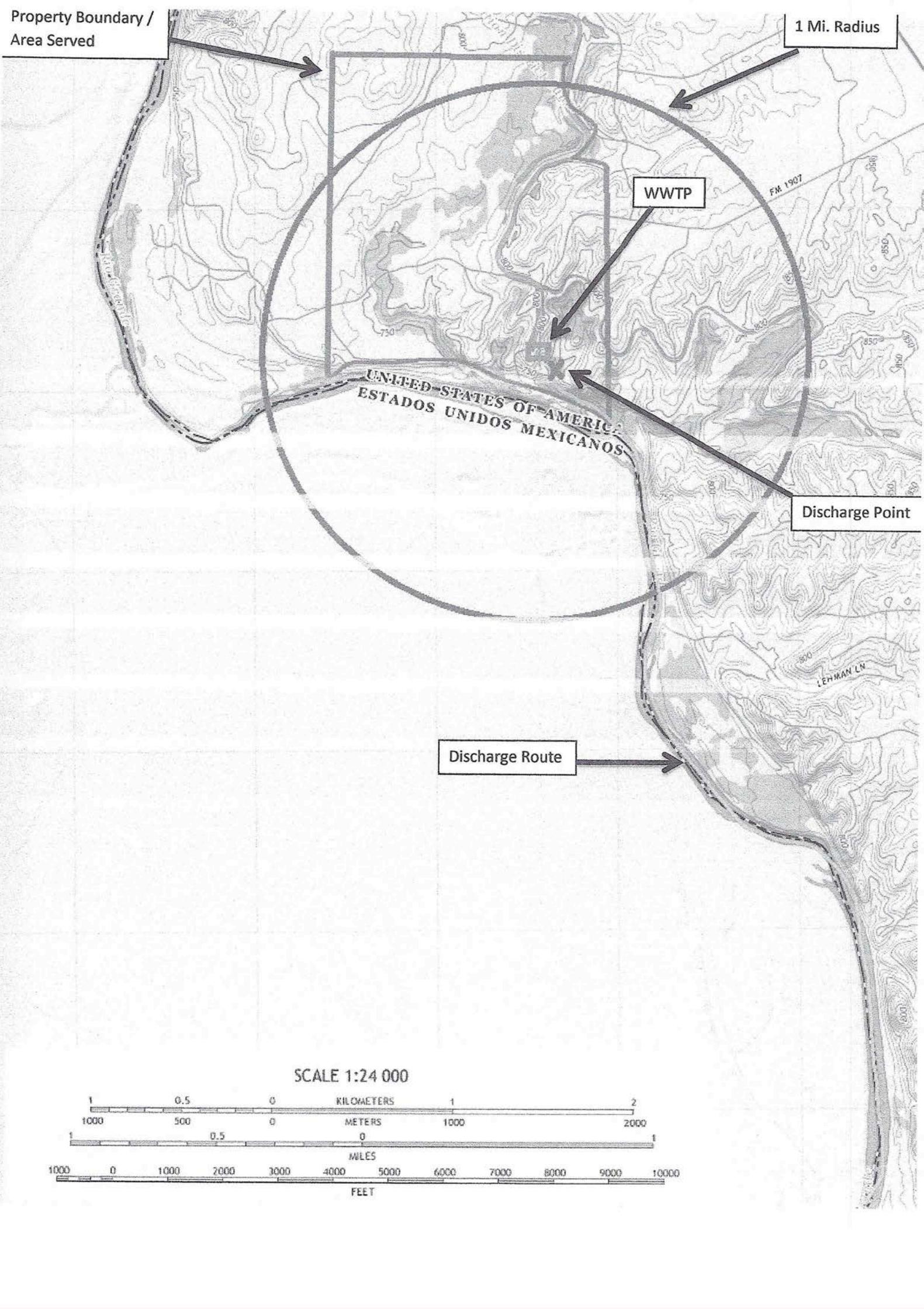
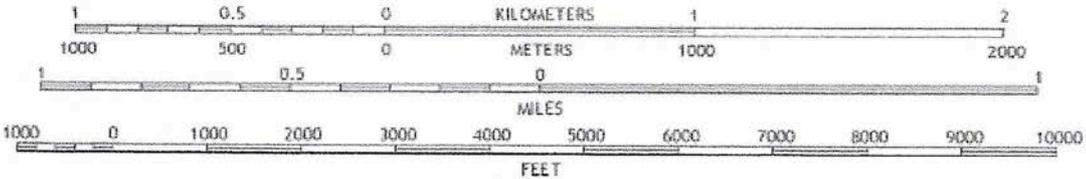
WWTP

Discharge Point

Discharge Route

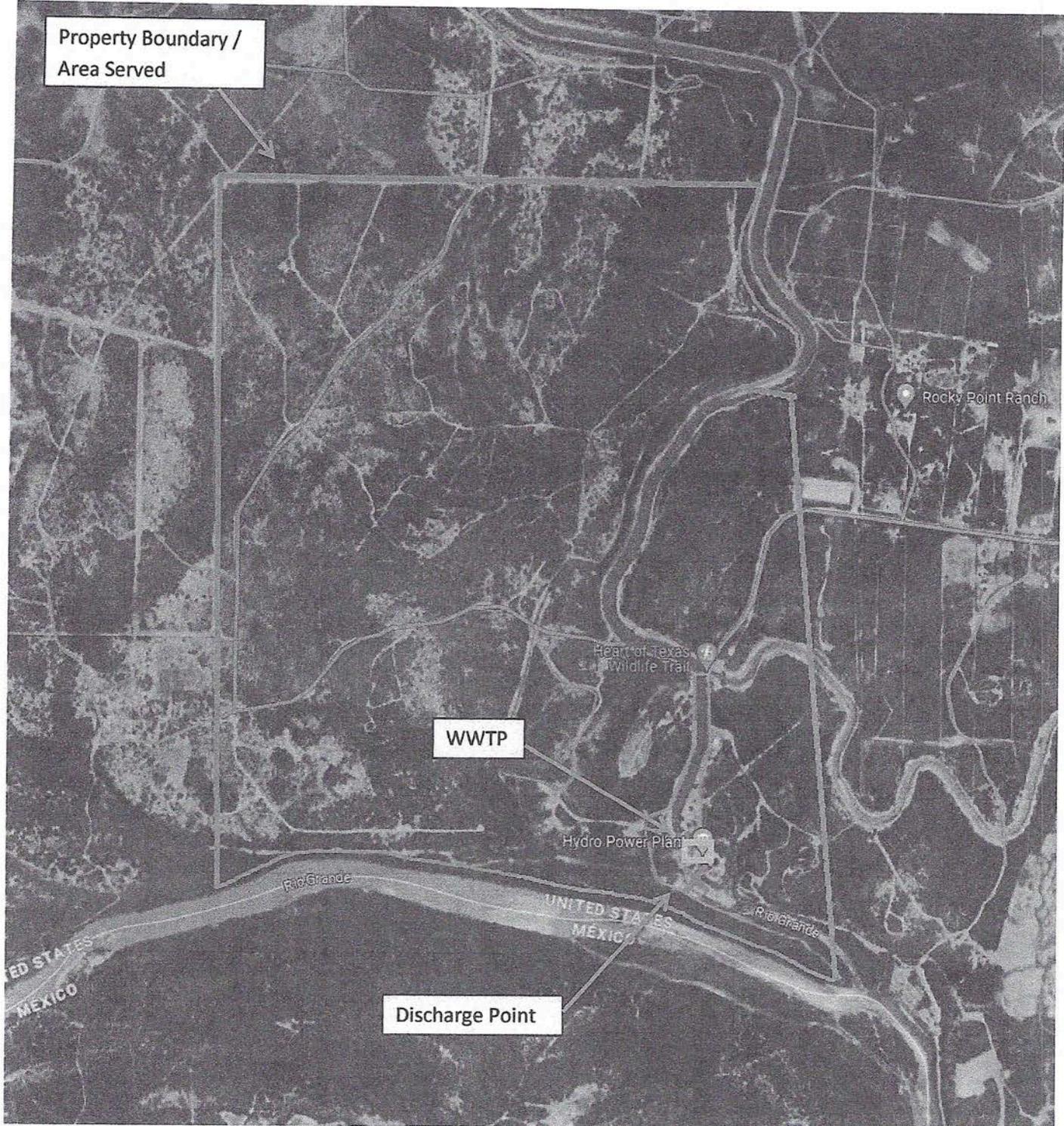
UNITED STATES OF AMERICA
ESTADOS UNIDOS MEXICANOS

SCALE 1:24 000



Attachment B

Site Drawing



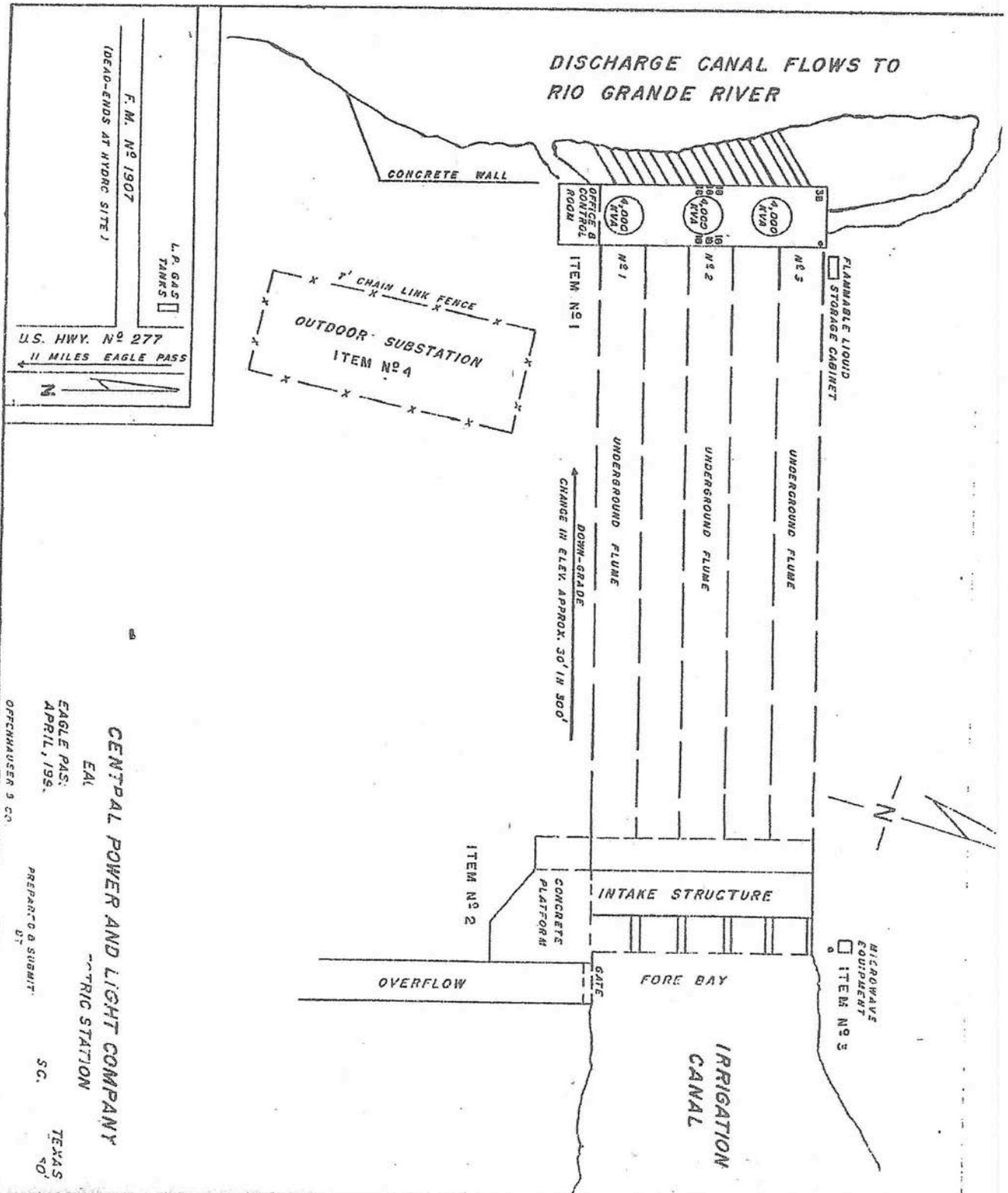
Maverick County WCID No. 1
WQ0004149000
June 2024



Attachment C

Flow Diagram

12-11



F. M. NO 1907
 (HEAD-ENDS AT HYDRO SITE)
 L.P. GAS TANKS
 U.S. HWY. NO 277
 11 MILES EAGLE PASS
 N

CENTRAL POWER AND LIGHT COMPANY
 EAL
 EAGLE PASS,
 APRIL, 1951.
 PREPARED & SUBMITTED BY
 SC. TEXAS
 50'

Attachment D

Core Data Form



TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.) <input type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.) <input checked="" type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)			<input type="checkbox"/> Other
2. Customer Reference Number (if issued) CN 600668438	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued) RN 102096773	

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)	
<input type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership <input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)			
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>			
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)		If new Customer, enter previous Customer below:	
Maverick County Water Control and Improvement District No. 1			
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits) 74-6000706	10. DUNS Number (if applicable)
11. Type of Customer:		Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited	
<input type="checkbox"/> Corporation <input type="checkbox"/> Individual Government: <input type="checkbox"/> City <input checked="" type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship <input type="checkbox"/> Other:	
12. Number of Employees		13. Independently Owned and Operated?	
<input type="checkbox"/> 0-20 <input checked="" type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following			
<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Owner & Operator <input type="checkbox"/> Other: _____ <input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant			
15. Mailing Address:			
1622 Maverick Industrial Park Road			
City	Eagle Pass	State	TX
ZIP	78852	ZIP + 4	
16. Country Mailing Information (if outside USA)		17. E-Mail Address (if applicable)	
		maverickcid1@gmail.com	
18. Telephone Number		19. Extension or Code	20. Fax Number (if applicable)
(830) 773-5129			() -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity' is selected, a new permit application is also required.)	
<input type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information	
<i>The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).</i>	
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)	
Eagle Pass Power Station	
23. Street Address of the Regulated Entity:	264 Power Plant Road

<i>(No PO Boxes)</i>							
City	Eagle Pass	State	TX	ZIP	78852	ZIP + 4	
24. County	Maverick						

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

25. Description to Physical Location:							
26. Nearest City				State		Nearest ZIP Code	
Eagle Pass				TX		78852	
<i>Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).</i>							
27. Latitude (N) In Decimal:		28.829848		28. Longitude (W) In Decimal:		-100.552541	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds		
29. Primary SIC Code (4 digits)		30. Secondary SIC Code (4 digits)		31. Primary NAICS Code (5 or 6 digits)		32. Secondary NAICS Code (5 or 6 digits)	
4911				221111			
33. What is the Primary Business of this entity? <i>(Do not repeat the SIC or NAICS description.)</i>							
hydroelectric power generation plant							
34. Mailing Address:		1622 Maverick Industrial Road					
		City	Eagle Pass	State	TX	ZIP	78852
						ZIP + 4	
35. E-Mail Address:		maverickcid1@gmail.com					
36. Telephone Number			37. Extension or Code		38. Fax Number <i>(if applicable)</i>		
(830) 773-5129					() -		

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

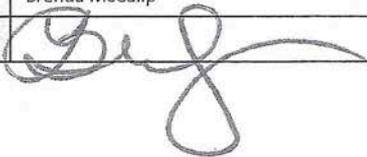
<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input checked="" type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:
WQ0004149000				

SECTION IV: Preparer Information

40. Name:	Stephanie Landsman	41. Title:	Wastewater Permitting Specialist
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(281) 658-5899		() -	stephanie@landsmanenviro.com

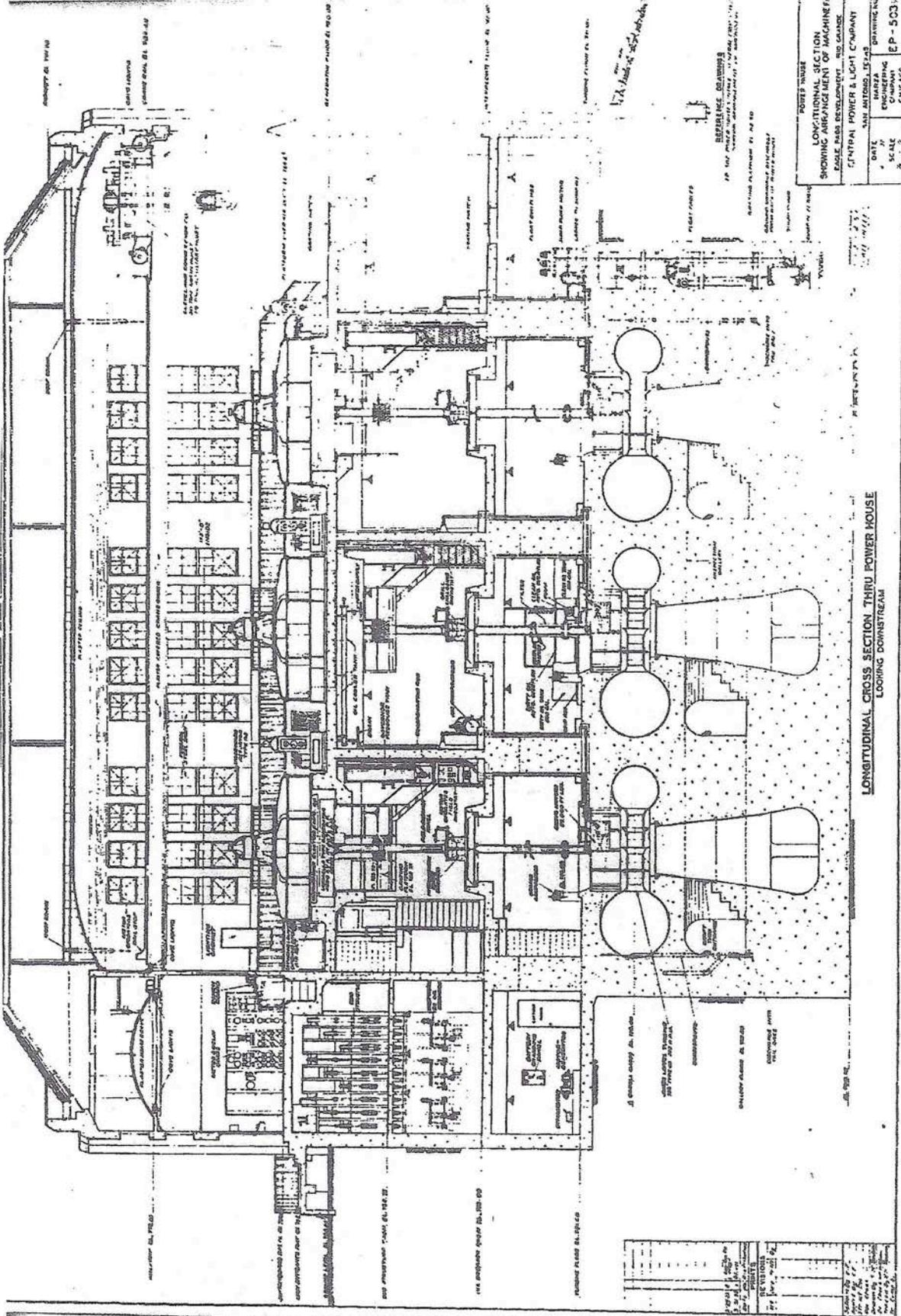
SECTION V: Authorized Signature

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:	Maverick County WCID #1	Job Title:	General Manager
Name (In Print):	Brenda McCalip	Phone:	(830) 773- 5129
Signature:		Date:	07/01/2024

Attachment E

Facility Diagram



LONGITUDINAL CROSS SECTION THRU POWER HOUSE
LOOKING DOWNSTREAM

POWER HOUSE
LONGITUDINAL SECTION
SHOWING ARRANGEMENT OF MACHINERY
CENTRAL POWER & LIGHT COMPANY
SAN ANTONIO, TEXAS
DATE: _____
SCALE: _____
DRAWING NO. _____
CHICAGO, ILL. EP-503

NO.	DESCRIPTION	DATE
1	AS SHOWN	1915
2	REVISION	1916
3	REVISION	1917
4	REVISION	1918
5	REVISION	1919
6	REVISION	1920
7	REVISION	1921
8	REVISION	1922
9	REVISION	1923
10	REVISION	1924
11	REVISION	1925
12	REVISION	1926
13	REVISION	1927
14	REVISION	1928
15	REVISION	1929
16	REVISION	1930
17	REVISION	1931
18	REVISION	1932
19	REVISION	1933
20	REVISION	1934
21	REVISION	1935
22	REVISION	1936
23	REVISION	1937
24	REVISION	1938
25	REVISION	1939
26	REVISION	1940
27	REVISION	1941
28	REVISION	1942
29	REVISION	1943
30	REVISION	1944
31	REVISION	1945
32	REVISION	1946
33	REVISION	1947
34	REVISION	1948
35	REVISION	1949
36	REVISION	1950

1. 1/4" = 1'-0"
 2. 1/8" = 1'-0"
 3. 1/16" = 1'-0"
 4. 1/32" = 1'-0"
 5. 1/64" = 1'-0"
 6. 1/128" = 1'-0"
 7. 1/256" = 1'-0"
 8. 1/512" = 1'-0"
 9. 1/1024" = 1'-0"
 10. 1/2048" = 1'-0"
 11. 1/4096" = 1'-0"
 12. 1/8192" = 1'-0"
 13. 1/16384" = 1'-0"
 14. 1/32768" = 1'-0"
 15. 1/65536" = 1'-0"
 16. 1/131072" = 1'-0"
 17. 1/262144" = 1'-0"
 18. 1/524288" = 1'-0"
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 203. 1/2571100870903981393936981554110522622554805759967999952" = 1'-0"
 204. 1/5142201741807962787873963108221045245109611519935999904" = 1'-0"
 205. 1/10284403483615925575747926216442090490219223159871999808" = 1'-0"
 206. 1/20568806967231851151495852432884180980438446319743999616" = 1'-0"
 207. 1/41137613934463702302991704865768361960876892639487999232" = 1'-0"
 208. 1/82275227868927404605983409731536723921753785278975998464" = 1'-0"
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 210. 1/329100911475709618423933638926146956887015141115903993856" = 1'-0"
 211. 1/658201822951419236847867277852293913774030282231807987712" = 1'-0"
 212. 1/1316403645902838473695734555704587827548060564463615975424" = 1'-0"
 213. 1/2632807291805676947391469111409175655096121128927231950848" = 1'-0"
 214. 1/5265614583611353894782938222818351310192242257854463901696" = 1'-0"
 215. 1/1053122916722270778956587644563670262038448451570892781376" = 1'-0"
 216. 1

Candice Calhoun

From: Stephanie Landsman <stephanie@landsmanenviro.com>
Sent: Tuesday, August 6, 2024 9:58 AM
To: Candice Calhoun
Subject: Maverick County WCID #1
Attachments: Maverick County Final Attachments.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Here are the attachments that were submitted with the application. I am waiting on an email address for the second permit contact.

--

Stephanie Landsman
Wastewater Specialist
Landsman Environmental LLC
9597 Jones Road #962
Jersey Village, TX 77065
(281)-658-5899



Candice Calhoun

From: Stephanie Landsman <stephanie@landsmanenviro.com>
Sent: Tuesday, August 13, 2024 9:22 AM
To: Candice Calhoun
Subject: Re: Maverick County WCID Renewal. WQ0004149000
Attachments: Maverick County Permit Contact.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Try this!

On Tue, Aug 13, 2024 at 9:10 AM Stephanie Landsman <stephanie@landsmanenviro.com> wrote:
I did that-let me see what I did with it!

On Tue, Aug 13, 2024 at 9:06 AM Candice Calhoun <Candice.Calhoun@tceq.texas.gov> wrote:

Mr. Landsman,

Thank you for providing the Technical Report 1.0.

I am now just waiting on the 2nd permit contact information, in order to declare the application administratively complete.

Thank you,



Candice Calhoun

Texas Commission on Environmental
Quality

Water Quality Division

512-239-4312
candice.calhoun@tceq.texas.gov

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

From: Stephanie Landsman <stephanie@landsmanenviro.com>
Sent: Tuesday, August 13, 2024 9:03 AM
To: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>; BRENDA MCCALIP <maverickcid1@gmail.com>; Thomas Starr <Thomas.Starr@Tceq.Texas.Gov>
Subject: Re: Maverick County WCID Renewal. WQ0004149000

I'm not sure where all my files are going! Here is the technical report that was submitted in July-4 hard copies and 1 electronic! The lab pages were not included because we hadn't received even the first report yet. Please let me know what else I can do today!

On Tue, Aug 13, 2024 at 8:51 AM Candice Calhoun <Candice.Calhoun@tceq.texas.gov> wrote:

Good morning, Ms. Landsman,

This application has not been declared administratively complete, as we are still missing some items. Since this has not been declared administratively complete, the technical team may not have started their review, as their time doesn't officially begin until it finishes the administrative review. We do send a courtesy email informing the teams of which reviews need to be completed by the teams, that way if they want to begin their review early, they can. Mr. Thomas Starr is the individual I sent the application information over to, and he is the individual who had informed me of the missing pages from the worksheets. I will place his contact information below. Also, I have attached the previous email, which states which items are still missing.

Mr. Thomas Starr

512-239-4570

Thomas.starr@tceq.texas.gov

Please let me know if you have any additional questions.

Regards,

Candice Calhoun



Texas Commission on Environmental
Quality

Water Quality Division

512-239-4312

candice.calhoun@tceq.texas.gov

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

From: Stephanie Landsman <stephanie@landsmanenviro.com>

Sent: Tuesday, August 13, 2024 8:07 AM

To: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>

Subject: Maverick County WCID Renewal. WQ0004149000

Would you please tell me who is working on the technical review of this one? We have one set of results but the lab never sent the kits for the other 3 weeks and we are trying to straighten this out today.

I am not in very good shape today but will try to stay in touch as much as possible, been sick since Friday but don't want to lose this application because of the lab's mistake.

Attachment Index

Attachment

Title

A	Original USGS Topographic Map
B	Site Drawing
C	Flow Diagram
D	Core Data Form
E	Facility Diagram

Attachment A

Original Topographic Map

Property Boundary /
Area Served

1 Mi. Radius

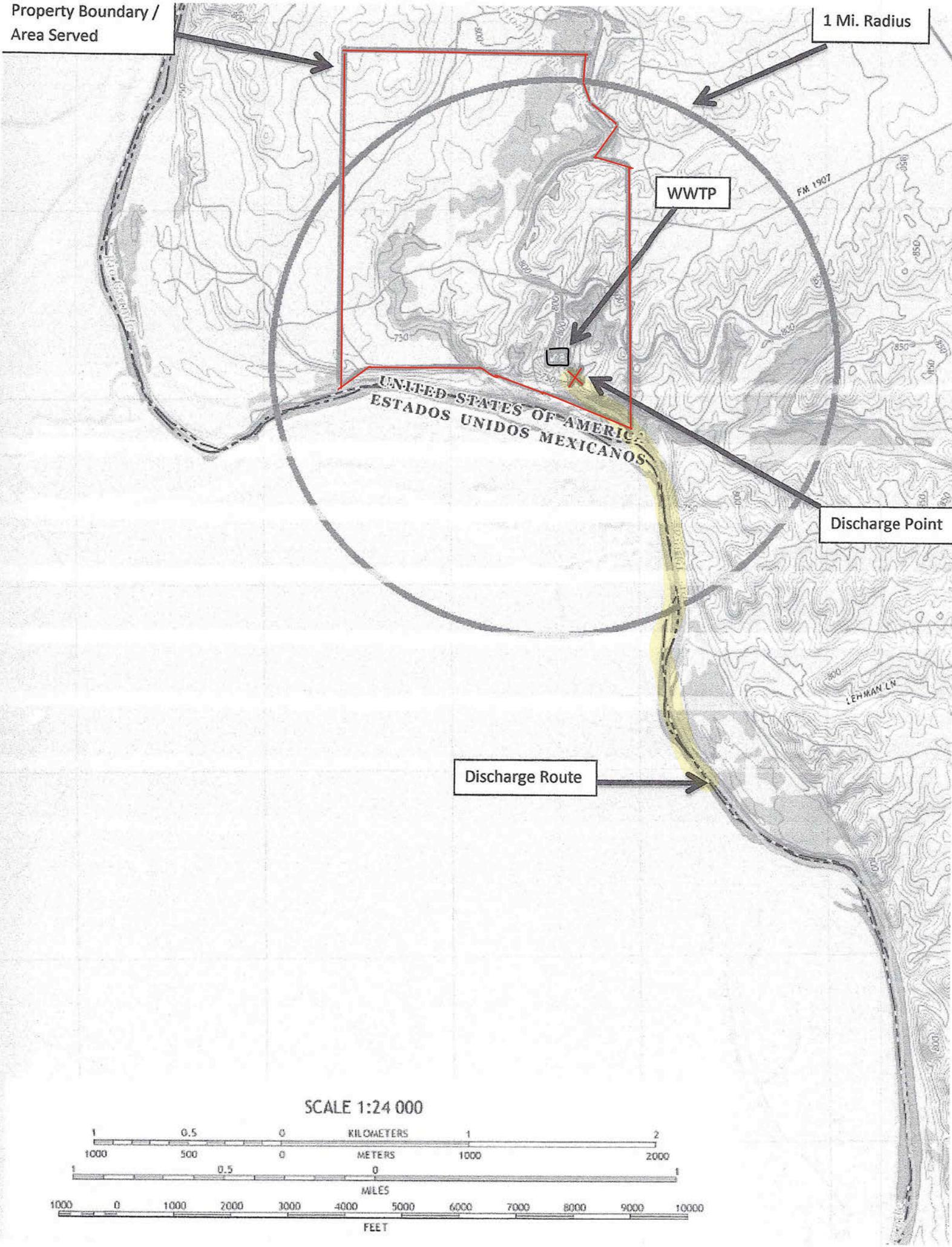
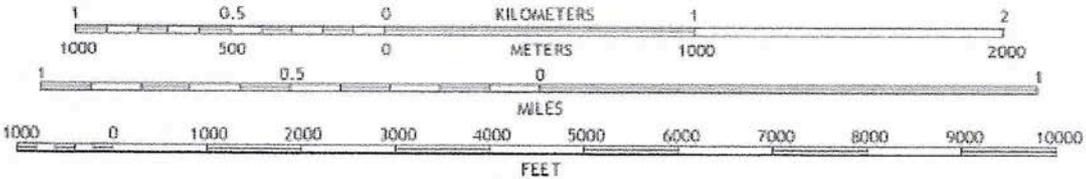
WWTP

Discharge Point

Discharge Route

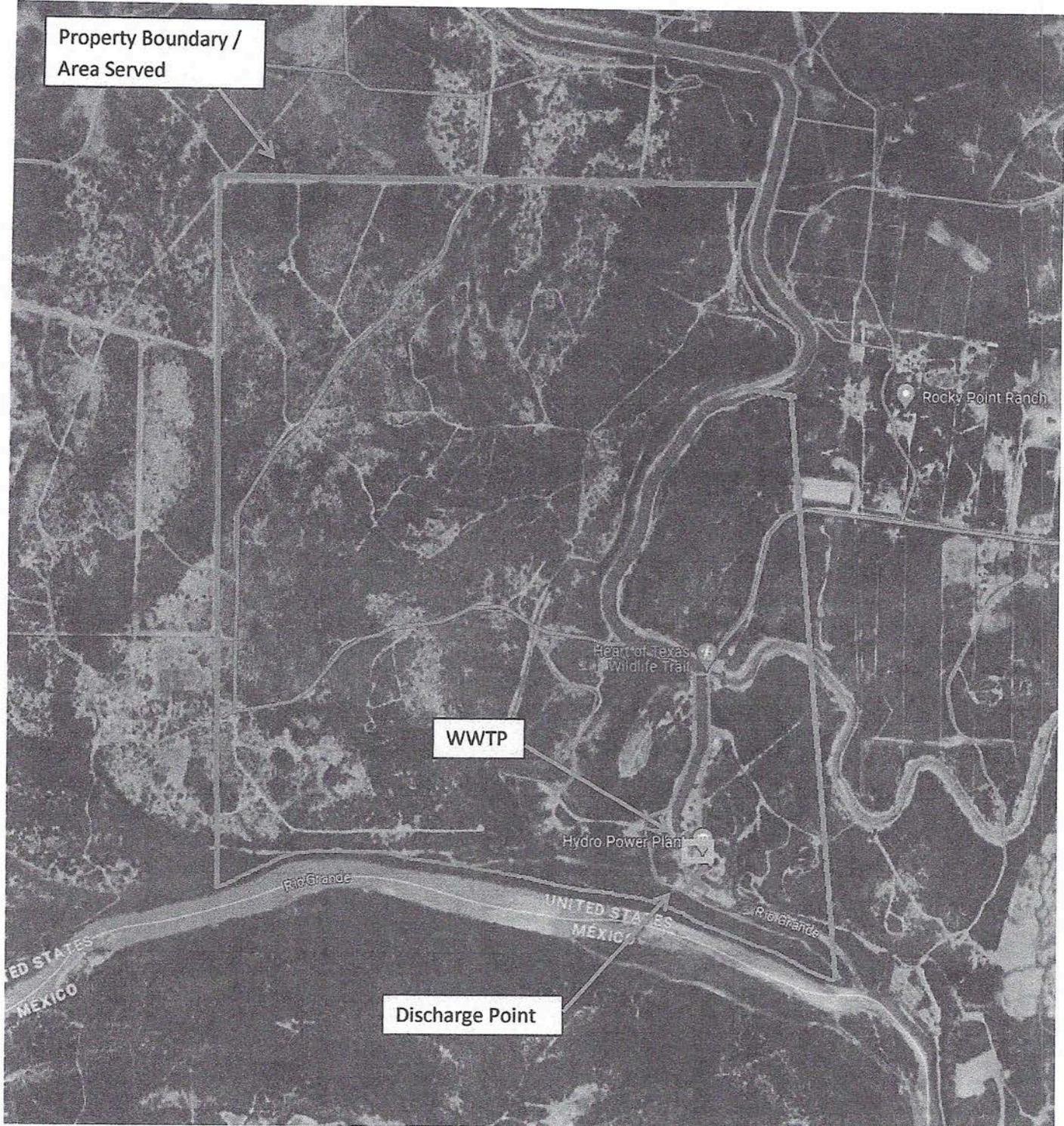
UNITED STATES OF AMERICA
ESTADOS UNIDOS MEXICANOS

SCALE 1:24 000



Attachment B

Site Drawing



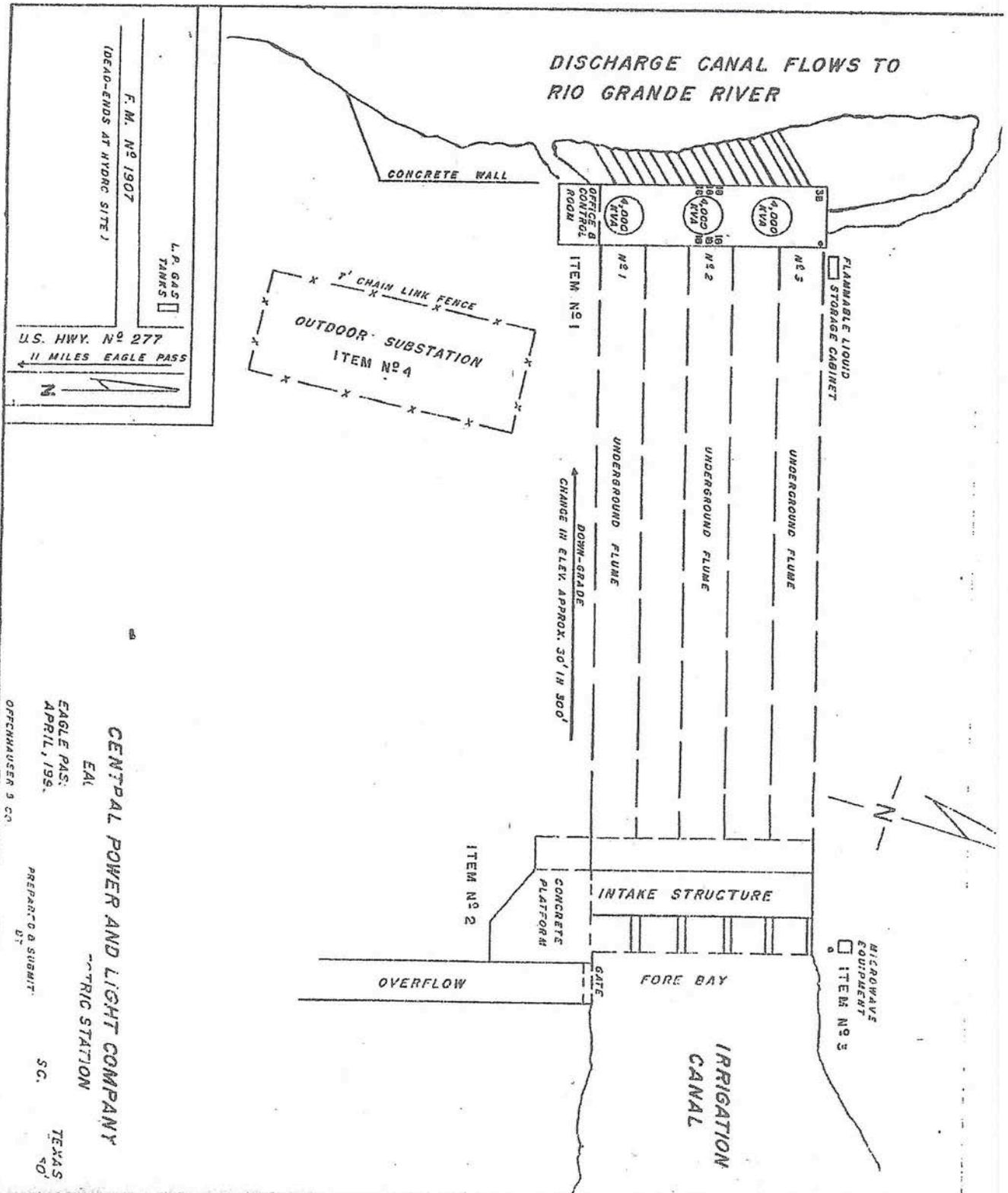
Maverick County WCID No. 1
WQ0004149000
June 2024



Attachment C

Flow Diagram

12-11



F. M. N° 1907
 (HEAD-ENDS AT HYDRO SITE)
 L.P. GAS TANKS
 U.S. HWY. N° 277
 11 MILES EAGLE PASS
 N

CENTRAL POWER AND LIGHT COMPANY
 EAL
 EAGLE PASS,
 APRIL, 1951.
 PREPARED & SUBMITTED BY
 SC. TEXAS
 50'

Attachment D

Core Data Form



TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.) <input type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.) <input checked="" type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)			<input type="checkbox"/> Other
2. Customer Reference Number (if issued) CN 600668438	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued) RN 102096773	

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)	
<input type="checkbox"/> New Customer <input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)		<input type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership	
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>			
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)		If new Customer, enter previous Customer below:	
Maverick County Water Control and Improvement District No. 1			
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits) 74-6000706	10. DUNS Number (if applicable)
11. Type of Customer:		Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited	
Government: <input type="checkbox"/> City <input checked="" type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Individual <input type="checkbox"/> Sole Proprietorship <input type="checkbox"/> Other:	
12. Number of Employees		13. Independently Owned and Operated?	
<input type="checkbox"/> 0-20 <input checked="" type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following			
<input type="checkbox"/> Owner <input type="checkbox"/> Occupational Licensee			
<input type="checkbox"/> Operator <input type="checkbox"/> Responsible Party			
<input checked="" type="checkbox"/> Owner & Operator <input type="checkbox"/> VCP/BSA Applicant			
Other: _____			
15. Mailing Address:			
1622 Maverick Industrial Park Road			
City	Eagle Pass	State	TX
ZIP	78852	ZIP + 4	
16. Country Mailing Information (if outside USA)		17. E-Mail Address (if applicable)	
		maverickcid1@gmail.com	
18. Telephone Number		19. Extension or Code	
(830) 773-5129			
		20. Fax Number (if applicable)	
		() -	

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity' is selected, a new permit application is also required.)	
<input type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information	
<i>The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).</i>	
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)	
Eagle Pass Power Station	
23. Street Address of the Regulated Entity:	264 Power Plant Road

<i>(No PO Boxes)</i>							
City	Eagle Pass	State	TX	ZIP	78852	ZIP + 4	
24. County	Maverick						

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

25. Description to Physical Location:							
26. Nearest City				State		Nearest ZIP Code	
Eagle Pass				TX		78852	
<i>Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).</i>							
27. Latitude (N) In Decimal:		28.829848		28. Longitude (W) In Decimal:		-100.552541	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds		
29. Primary SIC Code (4 digits)		30. Secondary SIC Code (4 digits)		31. Primary NAICS Code (5 or 6 digits)		32. Secondary NAICS Code (5 or 6 digits)	
4911				221111			
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)							
hydroelectric power generation plant							
34. Mailing Address:		1622 Maverick Industrial Road					
City	Eagle Pass	State	TX	ZIP	78852	ZIP + 4	
35. E-Mail Address:		maverickcid1@gmail.com					
36. Telephone Number			37. Extension or Code		38. Fax Number (if applicable)		
(830) 773-5129					() -		

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

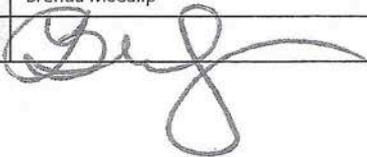
<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input checked="" type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:
WQ0004149000				

SECTION IV: Preparer Information

40. Name:	Stephanie Landsman	41. Title:	Wastewater Permitting Specialist
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(281) 658-5899		() -	stephanie@landsmanenviro.com

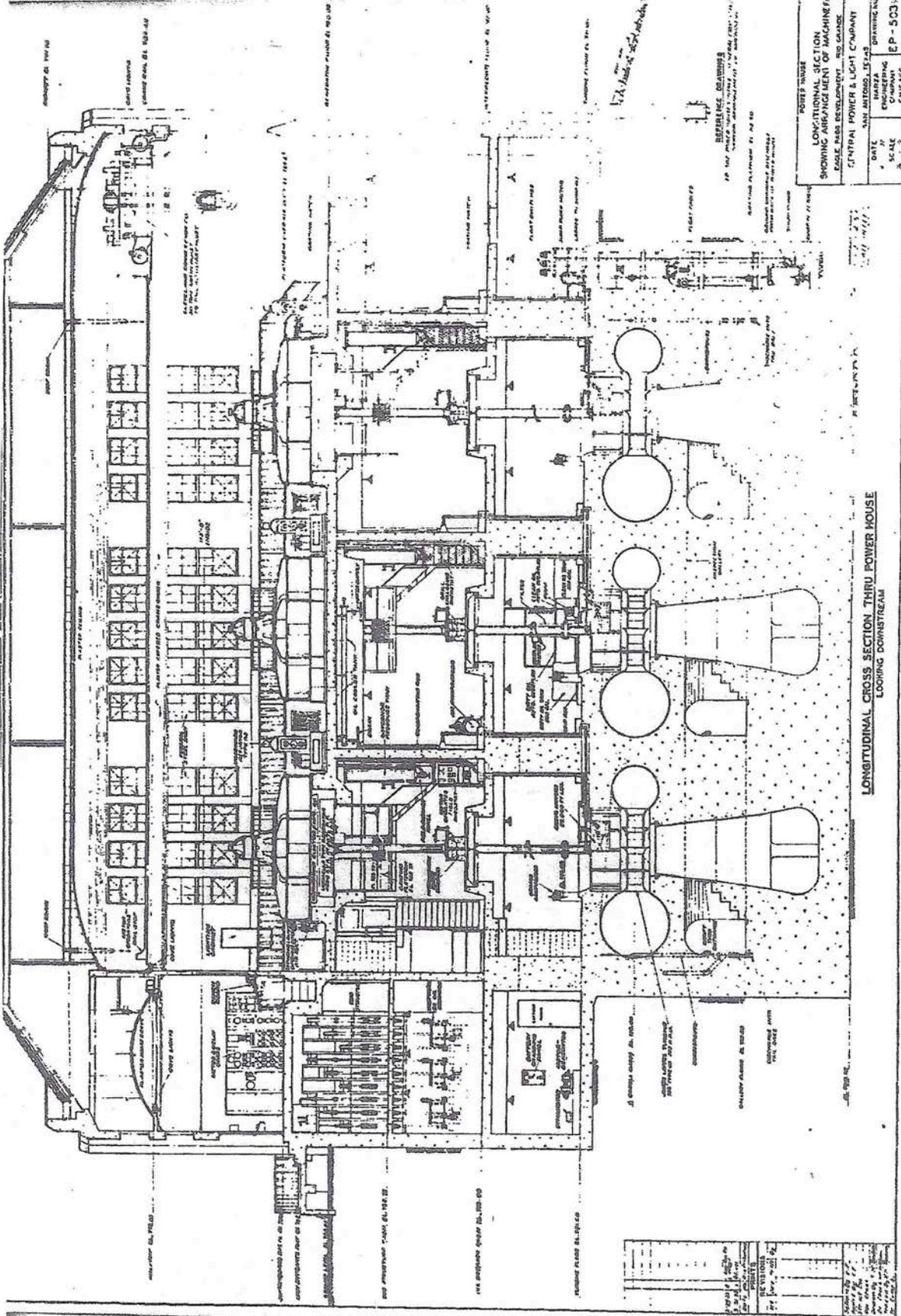
SECTION V: Authorized Signature

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:	Maverick County WCID #1	Job Title:	General Manager
Name (In Print):	Brenda McCalip	Phone:	(830) 773- 5129
Signature:		Date:	07/01/2024

Attachment E

Facility Diagram



LONGITUDINAL CROSS SECTION THRU POWER HOUSE
LOOKING DOWNSTREAM

POWER HOUSE
LONGITUDINAL SECTION
SHOWING ARRANGEMENT OF MACHINERY
CENTRAL POWER & LIGHT COMPANY
SAN ANTONIO, TEXAS
DATE: _____
SCALE: _____
DRAWING NO.: _____
E.P. - 503

NO.	DESCRIPTION	DATE
1	AS SHOWN	1915
2	REVISION	1915
3	REVISION	1915
4	REVISION	1915
5	REVISION	1915
6	REVISION	1915
7	REVISION	1915
8	REVISION	1915
9	REVISION	1915
10	REVISION	1915

REFERENCE DRAWINGS
 EP 101
 EP 102
 EP 103
 EP 104
 EP 105
 EP 106
 EP 107
 EP 108
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 EP 500

TECHNICAL REPORT 1.0

INDUSTRIAL

The following information is required for all applications for a TLAP or an individual TPDES discharge permit.

For additional information or clarification on the requested information, refer to the [Instructions for Completing the Industrial Wastewater Permit Application](#)¹ available on the TCEQ website.

If more than one outfall is included in the application, provide applicable information for each individual outfall. **If an item does not apply to the facility, enter N/A** to indicate that the item has been considered. Include separate reports or additional sheets as **clearly cross-referenced attachments** and provide the attachment number in the space provided for the item the attachment addresses.

NOTE: This application is for an industrial wastewater permit only. Additional authorizations from the TCEQ Waste Permits Division or the TCEQ Air Permits Division may be needed.

1. FACILITY/SITE INFORMATION (Instructions, Pages 39-40)

- a. Describe the general nature of the business and type(s) of industrial and commercial activities. Include all applicable SIC codes (up to 4).

Electric power generation

- b. Describe all wastewater-generating processes at the facility.

The facility contains a drain system to capture leaking water from the turbine shafts and equipment inside the plant. The drain system terminates in a common oil/water separator and sump. Oil is skimmed off the surface of the sump and is disposed of properly. Wastewater from the sump is monitored via internal outfall 101 prior to discharge via external outfall 001. The facility also utilizes non-contact cooling water in three small heat exchangers (turbine oil coolers) to cool hydraulic oil used for bearing lubrication and turbine control. There is no chemical treatment of the non-contact cooling water, and it is commingled with the previously monitored effluent from internal outfall 101 prior to discharge via outfall 001. The facility occasionally discharges intermittent volumes of non-process are storm water from roof rains on the main plant building that are also route to outfall 001 for discharge.

¹ https://www.tceq.texas.gov/permitting/wastewater/industrial/TPDES_industrial_wastewater_steps.html

c. Provide a list of raw materials, major intermediates, and final products handled at the facility.

Materials List

Raw Materials	Intermediate Products	Final Products
water	Mechanical energy	electricity

Attachment: [redacted]

d. Attach a facility map (drawn to scale) with the following information:

- Production areas, maintenance areas, materials-handling areas, waste-disposal areas, and water intake structures.
- The location of each unit of the WWTP including the location of wastewater collection sumps, impoundments, outfalls, and sampling points, if significantly different from outfall locations.

Attachment: E

e. Is this a new permit application for an existing facility?

- Yes No

If yes, provide background discussion: [redacted]

f. Is/will the treatment facility/disposal site be located above the 100-year frequency flood level.

- Yes No

List source(s) used to determine 100-year frequency flood plain: Flood Hazard Boundary Map- Maverick County

If no, provide the elevation of the 100-year frequency flood plain and describe what protective measures are used/proposed to prevent flooding (including tail water and rainfall run-on controls) of the treatment facility and disposal area: [redacted]

Attachment: [redacted]

5. For new or major amendment permit applications, will any construction operations result in a discharge of fill material into a water in the state?

- Yes No N/A (renewal only)

h. If yes to Item 1.g, has the applicant applied for a USACE CWA Chapter 404 Dredge and Fill permit?

- Yes No

If yes, provide the permit number: [redacted]

If no, provide an approximate date of application submittal to the USACE: [redacted]

2. TREATMENT SYSTEM (Instructions, Page 40)

- a. List any physical, chemical, or biological treatment process(es) used/proposed to treat wastewater at this facility. Include a description of each treatment process, starting with initial treatment and finishing with the outfall/point of disposal.

Filtration (traveling screens) is accomplished at the plant's intake structure for removal of solid debris for the pass-through water and the make-up water for the turbine oil coolers. Solid debris is removed and handled/removed as a solid waste by the Maverick County Irrigation District. Oil/water separator is used in conjunction with the sump at internal outfall 101 for separation/removal of oil and/or oily debris prior to commingling with non-contact cooling water from the turbine oil coolers and/or intermittent storm water from the roof drains. The commingled waste streams are then ultimately discharged via external outfall 001.

- b. Attach a flow schematic **with a water balance** showing all sources of water and wastewater flow into the facility, wastewater flow into and from each treatment unit, and wastewater flow to each outfall/point of disposal.

Attachment: C

3. IMPOUNDMENTS (Instructions, Pages 40-42)

Does the facility use or plan to use any wastewater impoundments (e.g., lagoons or ponds)?

Yes No

If **no**, proceed to Item 4. If **yes**, complete **Item 3.a** for **existing** impoundments and **Items 3.a - 3.e** for **new or proposed** impoundments. **NOTE:** See instructions, Pages 40-42, for additional information on the attachments required by Items 3.a - 3.e.

- a. Complete the table with the following information for each existing, new, or proposed impoundment:

Use Designation: Indicate the use designation for each impoundment as Treatment (**T**), Disposal (**D**), Containment (**C**), or Evaporation (**E**).

Associated Outfall Number: Provide an outfall number if a discharge occurs or will occur.

Liner Type: Indicate the liner type as Compacted clay liner (**C**), In-situ clay liner (**I**), Synthetic/plastic/rubber liner (**S**), or Alternate liner (**A**). **NOTE:** See instructions for further detail on liner specifications. If an alternate liner (**A**) is selected, include an attachment that provides a description of the alternate liner and any additional technical information necessary for an evaluation.

Leak Detection System: If any leak detection systems are in place/planned, enter **Y** for yes. Otherwise, enter **N** for no.

Groundwater Monitoring Wells and Data: If groundwater monitoring wells are in place/planned, enter **Y** for yes. Otherwise, enter **N** for no. Attach any existing groundwater monitoring data.

Dimensions: Provide the dimensions, freeboard, surface area, storage capacity of the impoundments, and the maximum depth (not including freeboard). For impoundments with irregular shapes, submit surface area instead of length and width.

Compliance with 40 CFR Part 257, Subpart D: If the impoundment is required to be in compliance with 40 CFR Part 257, Subpart D, enter **Y** for yes. Otherwise, enter **N** for no.

Date of Construction: Enter the date construction of the impoundment commenced (mm/dd/yy).

Impoundment Information

Parameter	Pond #	Pond #	Pond #	Pond #
Use Designation: (T) (D) (C) or (E)				
Associated Outfall Number				
Liner Type (C) (I) (S) or (A)				
Alt. Liner Attachment Reference				
Leak Detection System, Y/N				
Groundwater Monitoring Wells, Y/N				
Groundwater Monitoring Data Attachment				
Pond Bottom Located Above The Seasonal High-Water Table, Y/N				
Length (ft)				
Width (ft)				
Max Depth From Water Surface (ft), Not Including Freeboard				
Freeboard (ft)				
Surface Area (acres)				
Storage Capacity (gallons)				
40 CFR Part 257, Subpart D, Y/N				
Date of Construction				

Impoundment Information

Parameter	Pond #	Pond #	Pond #	Pond #
Use Designation: (T) (D) (C) or (E)				
Associated Outfall Number				
Liner Type (C) (I) (S) or (A)				
Alt. Liner Attachment Reference				
Leak Detection System, Y/N				
Groundwater Monitoring Wells, Y/N				
Groundwater Monitoring Data Attachment				
Pond Bottom Located Above The Seasonal High-Water Table, Y/N				
Length (ft)				
Width (ft)				
Max Depth From Water Surface (ft), not including freeboard				
Freeboard (ft)				
Surface Area (acres)				
Storage Capacity (gallons)				
40 CFR Part 257, Subpart D, Y/N				
Date of Construction				

Attachment: [REDACTED]

The following information (Items 3.b – 3.e) is required only for new or proposed impoundments.

b. For new or proposed impoundments, attach any available information on the following items. If attached, check **yes** in the appropriate box. Otherwise, check **no** or **not yet designed**.

i. Liner data

Yes No Not yet designed

ii. Leak detection system or groundwater monitoring data

Yes No Not yet designed

iii. Groundwater impacts

Yes No Not yet designed

NOTE: Item b.iii is required if the bottom of the pond is not above the seasonal high-water table in the shallowest water-bearing zone.

Attachment: _____

For TLAP applications: Items 3.c – 3.e are not required, continue to Item 4.

c. Attach a USGS map or a color copy of original quality and scale which accurately locates and identifies all known water supply wells and monitor wells within 1/2-mile of the impoundments.

Attachment: _____

d. Attach copies of State Water Well Reports (e.g., driller's logs, completion data, etc.), and data on depths to groundwater for all known water supply wells including a description of how the depths to groundwater were obtained.

Attachment: _____

e. Attach information pertaining to the groundwater, soils, geology, pond liner, etc. used to assess the potential for migration of wastes from the impoundments or the potential for contamination of groundwater or surface water.

Attachment: _____

4. OUTFALL/DISPOSAL METHOD INFORMATION (Instructions, Pages 42-43)

Complete the following tables to describe the location and wastewater discharge or disposal operations for each outfall for discharge operations, and for each point of disposal for TLAP operations.

If there are more outfalls/points of disposal at the facility than the spaces provided, copies of pages 6 and/or numbered accordingly (i.e., page 6a, 6b, etc.) may be used to provide information on the additional outfalls.

For TLAP applications: Indicate the disposal method and each individual irrigation area **I**, evaporation pond **E**, or subsurface drainage system **S** by providing the appropriate letter designation for the disposal method followed by a numerical designation for each disposal area in the space provided for **Outfall** number (e.g. **E1** for evaporation pond 1, **I2** for irrigation area No. 2, etc.).

Outfall Latitude and Longitude

Outfall Number	Latitude-decimal degrees	Longitude-decimal degrees
001	28.829167	-100.550833
101	28.829167	-100.550833

Outfall Location Description

Outfall Number	Location Description
001	Discharge-side of sump in plant prior to being routed into discharge canal via pipe
101	Oil/water separator in plant

Description of Sampling Points (if different from Outfall location)

Outfall Number	Description of Sampling Point
	saa

Outfall Flow Information – Permitted and Proposed

Outfall Number	Permitted Daily Avg Flow (MGD)	Permitted Daily Max Flow (MGD)	Proposed Daily Avg Flow (MGD)	Proposed Daily Max Flow (MGD)	Anticipated Discharge Date (mm/dd/yy)
001	Report	0.116	N/A	N/A	N/A
101	Report	0.0288	N/A	N/A	N/A

Outfall Discharge – Method and Measurement

Outfall Number	Pumped Discharge? Y/N	Gravity Discharge? Y/N	Type of Flow Measurement Device Used
001	N	Y	Estimated
101	Y	N	Estimated

Outfall Discharge – Flow Characteristics

Outfall Number	Intermittent Discharge? Y/N	Continuous Discharge? Y/N	Seasonal Discharge? Y/N	Discharge Duration (hrs/day)	Discharge Duration (days/mo)	Discharge Duration (mo/yr)
001	N	Y	N	24	31	12

Attachment: [REDACTED]

5. BLOWDOWN AND ONCE-THROUGH COOLING WATER DISCHARGES (Instructions, Page 44)

a. Does the facility use/propose to use any cooling towers which discharge blowdown or other wastestreams to the outfall(s)?

Yes No

NOTE: If the facility uses or plans to use cooling towers, Item 12 is required.

b. Does the facility use or plan to use any boilers that discharge blowdown or other wastestreams to the outfall(s)?

Yes No

c. Does or will the facility discharge once-through cooling water to the outfall(s)?

Yes No

NOTE: If the facility uses or plans to use once-through cooling water, Item 12 is required.

d. If yes to Items 5.a, 5.b, or 5.c, attach the SDS with the following information for each chemical additive.

- Manufacturer's Product Identification Number
- Product use (e.g., biocide, fungicide, corrosion inhibitor, etc.)
- Chemical composition including CASRN for each ingredient
- Classify product as non-persistent, persistent, or bioaccumulative
- Product or active ingredient half-life
- Frequency of product use (e.g., 2 hours/day once every two weeks)
- Product toxicity data specific to fish and aquatic invertebrate organisms
- Concentration of whole product or active ingredient, as appropriate, in wastestream.

Attach a summary of this information in addition to the submittal of the SDS for each specific wastestream and the associated chemical additives and specify which outfalls are affected.

Attachment: _____

e. Cooling Towers and Boilers

If yes to either Item 5.a or 5.b, complete the following table.

Cooling Towers and Boilers

Type of Unit	Number of Units	Dly Avg Blowdown (gallons/day)	Dly Max Blowdown (gallons/day)
Cooling Towers	0	0	0
Boilers	0	0	0

6. STORMWATER MANAGEMENT (Instructions, Page 44)

Are there any existing/proposed outfalls which discharge stormwater associated with industrial activities, as defined at 40 CFR § 122.26(b)(14), commingled with any other wastestream?

Yes No

If yes, briefly describe the industrial processes and activities that occur outdoors or in some manner which may result in exposure of the activities or materials to stormwater: _____

7. DOMESTIC SEWAGE, SEWAGE SLUDGE, AND SEPTAGE MANAGEMENT AND DISPOSAL (Instructions, Page 45)

Domestic Sewage - Waste and wastewater from humans or household operations that is discharged to a wastewater collection system or otherwise enters a treatment works.

- a. Check the box next to the appropriate method of domestic sewage and domestic sewage sludge treatment or disposal. Complete Worksheet 5.0 or Item 7.b if directed to do so.
- Domestic sewage is routed (i.e., connected to or transported to) to a WWTP permitted to receive domestic sewage for treatment, disposal, or both. **Complete Item 7.b.**
 - Domestic sewage disposed of by an on-site septic tank and drainfield system. **Complete Item 7.b.**
 - Domestic and industrial treatment sludge **ARE commingled** prior to use or disposal.
 - Industrial wastewater and domestic sewage are treated separately, and the respective sludge **IS NOT commingled** prior to sludge use or disposal. **Complete Worksheet 5.0.**
 - Facility is a POTW. **Complete Worksheet 5.0.**
 - Domestic sewage is not generated on-site.
 - Other (e.g., portable toilets), specify and **Complete Item 7.b:** _____
- b. Provide the name and TCEQ, NPDES, or TPDES Permit No. of the waste-disposal facility which receives the domestic sewage/septage. If hauled by motorized vehicle, provide the name and TCEQ Registration No. of the hauler.

Domestic Sewage Plant/Hauler Name

Plant/Hauler Name	Permit/Registration No.
Siesta Septic Service	24054

8. IMPROVEMENTS OR COMPLIANCE/ENFORCEMENT REQUIREMENTS (Instructions, Page 45)

- a. Is the permittee currently required to meet any implementation schedule for compliance or enforcement?
- Yes No
- b. Has the permittee completed or planned for any improvements or construction projects?
- Yes No
- c. If **yes** to either 8.a or 8.b, provide a brief summary of the requirements and a status update: _____

9. TOXICITY TESTING (Instructions, Page 45)

Have any biological tests for acute or chronic toxicity been made on any of the discharges or on a receiving water in relation to the discharge within the last three years?

- Yes No

If **yes**, identify the tests and describe their purposes: _____

Additionally, attach a copy of all tests performed which **have not** been submitted to the TCEQ or EPA.

Attachment: [REDACTED]

10. OFF-SITE/THIRD PARTY WASTES (Instructions, Page 45)

a. Does or will the facility receive wastes from off-site sources for treatment at the facility, disposal on-site via land application, or discharge via a permitted outfall?

- Yes No

If yes, provide responses to Items 10.b through 10.d below.

If no, proceed to Item 11.

b. Attach the following information to the application:

- List of wastes received (including volumes, characterization, and capability with on-site wastes).
- Identify the sources of wastes received (including the legal name and addresses of the generators).
- Description of the relationship of waste source(s) with the facility's activities.

Attachment: [REDACTED]

c. Is or will wastewater from another TCEQ, NPDES, or TPDES permitted facility commingled with this facility's wastewater after final treatment and prior to discharge via the final outfall/point of disposal?

- Yes No

If yes, provide the name, address, and TCEQ, NPDES, or TPDES permit number of the contributing facility and a copy of any agreements or contracts relating to this activity.

Attachment: [REDACTED]

d. Is this facility a POTW that accepts/will accept process wastewater from any SIU and has/is required to have an approved pretreatment program under the NPDES/TPDES program?

- Yes No

If yes, **Worksheet 6.0** of this application is required.

11. RADIOACTIVE MATERIALS (Instructions, Pages 46)

a. Are/will radioactive materials be mined, used, stored, or processed at this facility?

- Yes No

If yes, use the following table to provide the results of one analysis of the effluent for all radioactive materials that may be present. Provide results in pCi/L.

Radioactive Materials Mined, Used, Stored, or Processed

Radioactive Material	Concentration (pCi/L)

- b. Does the applicant or anyone at the facility have any knowledge or reason to believe that radioactive materials may be present in the discharge, including naturally occurring radioactive materials in the source waters or on the facility property?

Yes No

If **yes**, use the following table to provide the results of one analysis of the effluent for all radioactive materials that may be present. Provide results in pCi/L. Do not include information provided in response to Item 11.a.

Radioactive Materials Present in the Discharge

Radioactive Material	Concentration (pCi/L)

12. COOLING WATER (Instructions, Pages 46-47)

- a. Does the facility use or propose to use water for cooling purposes?

Yes No

If **no**, stop here. If **yes**, complete Items 12.b thru 12.f.

- b. Cooling water is/will be obtained from a groundwater source (e.g., on-site well).

Yes No

If **yes**, stop here. If **no**, continue.

- c. Cooling Water Supplier

- i. Provide the name of the owner(s) and operator(s) for the CWIS that supplies or will supply water for cooling purposes to the facility.

Cooling Water Intake Structure(s) Owner(s) and Operator(s)

CWIS ID				
Owner				
Operator				

- ii. Cooling water is/will be obtained from a Public Water Supplier (PWS)

Yes No

If **no**, continue. If **yes**, provide the PWS Registration No. and stop here: PWS No. _____

- iii. Cooling water is/will be obtained from a reclaimed water source?

Yes No

If **no**, continue. If **yes**, provide the Reuse Authorization No. and stop here: _____

iv. Cooling water is/will be obtained from an Independent Supplier

Yes No

If **yes**, provide the actual intake flow of the Independent Supplier's CWIS that is/will be used to provide water for cooling purposes to the facility and proceed: _____

If **no**, proceed to Item 12.d.

d. 316(b) General Criteria

i. The CWIS(s) used to provide water for cooling purposes to the facility has or will have a cumulative design intake flow of 2 MGD or greater.

Yes No

ii. At least 25% of the total water withdrawn by the CWIS is/will be used at the facility exclusively for cooling purposes on an annual average basis.

Yes No

iii. The CWIS(s) withdraw(s)/propose(s) to withdraw water for cooling purposes from surface waters that meet the definition of Waters of the United States in 40 CFR § 122.2.

Yes No

If **no**, provide an explanation of how the waterbody does not meet the definition of Waters of the United States in 40 CFR § 122.2: _____

If **yes** to all three questions in Item 12.d, the facility **meets** the minimum criteria to be subject to the full requirements of Section 316(b) of the CWA. Proceed to **Item 12.f**.

If **no** to any of the questions in Item 12.d, the facility **does not meet** the minimum criteria to be subject to the full requirements of Section 316(b) of the CWA; however, a determination is required based upon BPJ. Proceed to **Item 12.e**.

e. The facility does not meet the minimum requirements to be subject to the fill requirements of Section 316(b) and **uses/proposes to use cooling towers**.

Yes No

If **yes**, stop here. If **no**, complete Worksheet 11.0, Items 1(a), 1(b)(i-iii) and (vi), 2(b)(i), and 3(a) to allow for a determination based upon BPJ.

f. Oil and Gas Exploration and Production

i. The facility is subject to requirements at 40 CFR Part 435, Subparts A or D.

Yes No

If **yes**, continue. If **no**, skip to Item 12.g.

ii. The facility is an existing facility as defined at 40 CFR § 125.92(k) or a new unit at an existing facility as defined at 40 CFR § 125.92(u).

Yes No

If **yes**, complete Worksheet 11.0, Items 1(a), 1(b)(i-iii) and (vi), 2(b)(i), and 3(a) to allow for a determination based upon BPJ. If **no**, skip to Item 12.g.iii.

g. Compliance Phase and Track Selection

i. Phase I – New facility subject to 40 CFR Part 125, Subpart I

Yes No

If **yes**, check the box next to the facility's compliance track selection, attach the requested information, and complete Worksheet 11.0, Items 2 and 3, and Worksheet 11.2.

- Track I – AIF greater than 2 MGD, but less than 10 MGD
 - Attach information required by 40 CFR §§ 125.86(b)(2)-(4).
- Track I – AIF greater than 10 MGD
 - Attach information required by 40 CFR § 125.86(b).
- Track II
 - Attach information required by 40 CFR § 125.86(c).

Attachment: [REDACTED]

ii. Phase II – Existing facility subject to 40 CFR Part 125, Subpart J

Yes No

If **yes**, complete Worksheets 11.0 through 11.3, as applicable.

iii. Phase III – New facility subject to 40 CFR Part 125, Subpart N

Yes No

If **yes**, check the box next to the facility's compliance track selection and provide the requested information.

- Track I – Fixed facility
 - Attach information required by 40 CFR § 125.136(b) and complete Worksheet 11.0, Items 2 and 3, and Worksheet 11.2.
- Track I – Not a fixed facility
 - Attach information required by 40 CFR § 125.136(b) and complete Worksheet 11.0, Item 2 (except the CWIS latitude and longitude under Item 2.a).
- Track II – Fixed facility
 - Attach information required by 40 CFR § 125.136(c) and complete Worksheet 11.0, Items 2 and 3.

Attachment: [REDACTED]

NOTE: Item 13 is required only for existing permitted facilities.

13. PERMIT CHANGE REQUESTS (Instructions, Pages 49-50)

a. Is the facility requesting a **major amendment** of an existing permit?

Yes No

If **yes**, list each request individually and provide the following information: 1) detailed information regarding the scope of each request and 2) a justification for each request. Attach any supplemental information or additional data to support each request.

b. Is the facility requesting any **minor amendments** to the permit?

Yes No

If **yes**, list and discuss the requested changes.

c. Is the facility requesting any **minor modifications** to the permit?

Yes No

If **yes**, list and discuss the requested changes.

WORKSHEET 2.0 POLLUTANT ANALYSES REQUIREMENTS

Worksheet 2.0 is required for all applications submitted for a TPDES permit. Worksheet 2.0 is not required for applications for a permit to dispose of all wastewater by land disposal or for discharges solely of stormwater associated with industrial activities.

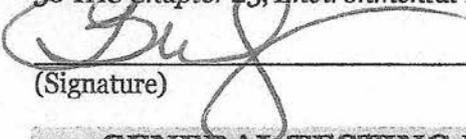
1. LABORATORY ACCREDITATION (Instructions, Page 56)

Effective July 1, 2008, all laboratory tests performed must meet the requirements of 30 TAC Chapter 25, *Environmental Testing Laboratory Accreditation and Certification* with the following general exemptions:

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

Review 30 TAC Chapter 25 for specific requirements. The following certification statement shall be signed and submitted with every application. See Instructions, Page 34, for a list of approved signatories.

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



(Signature)

2. GENERAL TESTING REQUIREMENTS (Instructions, Pages 56-58)

- a. Provide the date range of all sampling events conducted to obtain the analytical data submitted with this application (e.g., 05/01/2018-05/30/2018): _____
- b. Check the box to confirm all samples were collected no more than 12 months prior to the date of application submittal.
- c. Read the general testing requirements in the instructions for important information about sampling, test methods, and MALs. If a contact laboratory was used, attach a list which includes the name, contact information, and pollutants analyzed for each laboratory/firm. **Attachment:** _____

3. SPECIFIC TESTING REQUIREMENTS (Instructions, Pages 58-69)

Attach correspondence from TCEQ approving submittal of less than the required number of samples, if applicable. **Attachment:** _____

TABLE 1 and TABLE 2 (Instructions, Page 58)

Completion of Tables 1 and 2 is required for all external outfalls for all TPDES permit applications.

WORKSHEET 4.0 RECEIVING WATERS

This worksheet is **required** for all TPDES permit applications.

1. DOMESTIC DRINKING WATER SUPPLY (Instructions, Page 81)

a. There is a surface water intake for domestic drinking water supply located within 5 (five) miles downstream from the point/proposed point of discharge.

Yes No

If **no**, stop here and proceed to Item 2. If **yes**, provide the following information:

i. The legal name of the owner of the drinking water supply intake: _____

v. The distance and direction from the outfall to the drinking water supply intake: _____

b. Locate and identify the intake on the USGS 7.5-minute topographic map provided for Administrative Report 1.0.

Check this box to confirm the above requested information is provided.

2. DISCHARGE INTO TIDALLY INFLUENCED WATERS (Instructions, Page 81)

If the discharge is to tidally influenced waters, complete this section. Otherwise, proceed to Item 3.

a. Width of the receiving water at the outfall: _____ feet

b. Are there oyster reefs in the vicinity of the discharge?

Yes No

If **yes**, provide the distance and direction from the outfall(s) to the oyster reefs: _____

c. Are there sea grasses within the vicinity of the point of discharge?

Yes No

If **yes**, provide the distance and direction from the outfall(s) to the grasses: _____

3. CLASSIFIED SEGMENT (Instructions, Page 81)

The discharge is/will be directly into (or within 300 feet of) a classified segment.

Yes No

If **yes**, stop here. It is not necessary to complete Items 4 and 5 of this worksheet or Worksheet 4.1.

If **no**, complete Items 4 and 5 and Worksheet 4.1 may be required.

4. DESCRIPTION OF IMMEDIATE RECEIVING WATERS (Instructions, Page 82)

a. Name of the immediate receiving waters: _____

b. Check the appropriate description of the immediate receiving waters:

- | | |
|---|---|
| <input type="checkbox"/> Lake or Pond | <input checked="" type="checkbox"/> Man-Made Channel or Ditch |
| • Surface area (acres): _____ | <input type="checkbox"/> Stream or Creek |
| • Average depth of the entire water body (feet): _____ | <input type="checkbox"/> Freshwater Swamp or Marsh |
| • Average depth of water body within a 500-foot radius of the discharge point (feet): _____ | <input type="checkbox"/> Tidal Stream, Bayou, or Marsh |
| | <input type="checkbox"/> Open Bay |
| | <input type="checkbox"/> Other, specify: _____ |

If **Man-Made Channel or Ditch** or **Stream or Creek** were selected above, provide responses to Items 4.c – 4.g below:

c. For **existing discharges**, check the description below that best characterizes the area **upstream** of the discharge.

For **new discharges**, check the description below that best characterizes the area **downstream** of the discharge.

- Intermittent (dry for at least one week during most years)
- Intermittent with Perennial Pools (enduring pools containing habitat to maintain aquatic life uses)
- Perennial (normally flowing)

Check the source(s) of the information used to characterize the area upstream (existing discharge) or downstream (new discharge):

- USGS flow records
- personal observation
- historical observation by adjacent landowner(s)
- other, specify: _____

d. List the names of all perennial streams that join the receiving water within three miles downstream of the discharge point: Rio Grande River

e. 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**, describe how: _____

f. General observations of the water body during normal dry weather conditions: water is generally clouded with a greenish-gray color; water received from the irrigation district is sometimes turbid.

Date and time of observation: _____

g. The water body was influenced by stormwater runoff during observations.

- Yes No

If **yes**, describe how: _____

5. GENERAL CHARACTERISTICS OF WATER BODY (Instructions, Page 82)

a. Is the receiving water upstream of the existing discharge or proposed discharge site influenced by any of the following (check all that apply):

- | | |
|--|---|
| <input checked="" type="checkbox"/> oil field activities | <input type="checkbox"/> urban runoff |
| <input checked="" type="checkbox"/> agricultural runoff | <input type="checkbox"/> septic tanks |
| <input checked="" type="checkbox"/> upstream discharges | <input type="checkbox"/> other, specify: [redacted] |

b. Uses of water body observed or evidence of such uses (check all that apply):

- | | | |
|--|--|---|
| <input checked="" type="checkbox"/> livestock watering | <input type="checkbox"/> fishing | <input type="checkbox"/> picnic/park activities |
| <input checked="" type="checkbox"/> non-contact recreation | <input type="checkbox"/> industrial water supply | <input type="checkbox"/> other, specify: [redacted] |
| <input type="checkbox"/> domestic water supply | <input type="checkbox"/> irrigation withdrawal | [redacted] |
| <input type="checkbox"/> contact recreation | <input type="checkbox"/> navigation | |

c. Description which best describes the aesthetics of the receiving water and the surrounding area (check only one):

- Wilderness:** outstanding natural beauty; usually wooded or un-pastured area; water clarity exceptional
- Natural Area:** trees or native vegetation common; 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

WORKSHEET 6.0 INDUSTRIAL WASTE CONTRIBUTION

This worksheet is required for all applications for publicly-owned treatment works (POTWs).

For an explanation of the terms used in this worksheet, refer to the General Definitions on pages 4-12 and the Definitions Relating to Pretreatment on pages 13-14 of the Instructions.

1. ALL POTWS (Instructions, Page 87)

- a. Complete the following table with the number of each type of industrial users (IUs) that discharge to the POTW and the daily average flows from each.

Industrial User Information

Type of Industrial User	Number of Industrial Users	Daily Average Flow (gallons per day)
CIU	0	0
SIU - Non-categorical	0	0
Other IU	0	0

- b. In the past three years, has the POTW experienced treatment plant interference?

Yes No

If **yes**, identify the date(s), duration, nature of interference, and probable cause(s) and possible source(s) of each interference event. Include the names of the IU(s) that may have caused the interference: _____

- c. In the past three years, has the POTW experienced pass-through?

Yes No

If **yes**, identify the date(s), duration, pollutants passing through the treatment plant, and probable cause(s) and possible source(s) of each pass-through event. Include the names of the IU(s) that may have caused the pass-through: _____

- d. Does the POTW have, or is it required to develop, an approved pretreatment program?

Yes No

If **yes**, answer all questions in Item 2 and skip Item 3.

If **no**, skip Item 2 and answer all questions in Item 3 for each significant industrial user and categorical industrial user.

2. POTWS WITH APPROVED PRETREATMENT PROGRAMS OR THOSE REQUIRED TO DEVELOP A PRETREATMENT PROGRAM (Instructions, Pages 87-88)

- a. Have there been any substantial modifications to the POTW's approved pretreatment program that have not been submitted to the Approval Authority (TCEQ) for approval according to 40 CFR § 403.18?

Yes No

If **yes**, include an attachment which identifies all substantial modifications that have not been submitted to the TCEQ and the purpose of the modifications.

Attachment: _____

b. Have there been any non-substantial modifications to the POTW's approved pretreatment program that have not been submitted to the Approval Authority (TCEQ)?

Yes No

If **yes**, include an attachment which identifies all non-substantial modifications that have not been submitted to the TCEQ and the purpose of the modification.

Attachment: [REDACTED]

c. List all parameters measured above the MAL in the POTW's effluent monitoring during the last three years:

Effluent Parameters Measured Above the MAL

Pollutant	Concentration	MAL	Units	Date

Attachment: [REDACTED]

d. Has any SIU, CIU, or other IU caused or contributed to any other problems (excluding interference or pass-through) at the POTW in the past three years?

Yes No

If **yes**, provide a description of each episode, including date(s), duration, description of problems, and probable pollutants. Include the name(s) of the SIU(s)/CIU(s)/other IU(s) that may have caused or contributed to any of the problems: [REDACTED]

3. SIGNIFICANT INDUSTRIAL USER AND CATEGORICAL INDUSTRIAL USER INFORMATION (Instructions, Pages 88-89)

POTWs that **do not** have an approved pretreatment program **are required** to provide the following information for each SIU and CIU:

a. Mr. or Ms.: N/A First/Last Name: [REDACTED]
 Organization Name: [REDACTED] SIC Code: [REDACTED]
 Phone number: [REDACTED] Email address: [REDACTED]
 Physical Address: [REDACTED] City/State/ZIP Code: [REDACTED]

Attachment: [REDACTED]

b. Describe the industrial processes or other activities that affect or contribute to the SIU(s) or CIU(s) discharge (e.g., process and non-process wastewater): [REDACTED]

Attachment: [REDACTED]

c. Provide a description of the principal products(s) or service(s) performed: [REDACTED]

Note: The entity with overall financial responsibility for the facility must apply as a co-applicant, if not the facility owner.

Item 4. Core Data Form (Instructions, Pages 26)

- a. Complete one Core Data Form (TCEQ Form 10400) for each customer (applicant and co-applicant(s)) and include as an attachment. If the customer type selected on the Core Data Form is Individual, complete Attachment 1 of the Administrative Report. Attachment: D

Item 5. Application Contact Information (Instructions, Page 26)

Provide names of two individuals who can be contact for additional information about this application. Indicate if the individual can be contact about administrative or technical information, or both.

- a. Administrative Contact Technical Contact
 Mr. Ms. Full Name (First and Last): Stephanie Landsman
Title: Click to enter text. Credential: Click to enter text.
Organization Name: Landsman Environmental LLC
Mailing Address: 9597 Jones Road #962
City: Jersey Village State: TX Zip Code: 77065
Phone No: 281-658-5899 Fax No: Click to enter text. Email: stephanie@landsmanenviro.com

- b. Administrative Contact Technical Contact
 Mr. Ms. Full Name (First and Last): Brenda McCalip
Title: General Manager Credential: Click to enter text.
Organization Name: Maverick County Water Control and Improvement District No.1
Mailing Address: 1622 Maverick Industrial Park Road
City: Eagle Pass State: TX Zip Code: 78852
Phone No: 830-773-5129 Fax No: Click to enter text. Email: maverickcid1@gmail.com
Attachment: Click to enter text.

Item 6. Permit Contact Information (Instructions, Pages 26)

Provide two names of individuals that can be contacted throughout the permit term.

- a. Mr. Ms. Full Name (First and Last): Brenda McCalip
Title: General Manager Credential: Click to enter text.
Organization Name: Maverick County Water Control and Improvement District No.1
Mailing Address: 1622 Maverick Industrial Park Road
City: Eagle Pass State: TX Zip Code: 78852
Phone No: 830-773-5129 Fax No: Click to enter text. Email: maverickcid1@gmail.com
- b. Mr. Ms. Full Name (First and Last): Joe Martinez
Title: Power Plant Supervisor Credential: Click to enter text.
Organization Name: Maverick County WCID#1
Mailing Address: 1622 Maverick Industrial Park Road
City: Eagle Pass State: TX Zip Code: 78852

Phone No: 830-776-1877

Fax No: Click to enter text.

Email: joehydroplant@gmail.com

Attachment: Click to enter text.

WORKSHEET 2.0 POLLUTANT ANALYSES REQUIREMENTS

Worksheet 2.0 is required for all applications submitted for a TPDES permit. Worksheet 2.0 is not required for applications for a permit to dispose of all wastewater by land disposal or for discharges solely of stormwater associated with industrial activities.

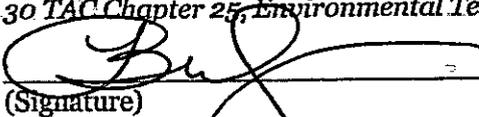
1. LABORATORY ACCREDITATION (Instructions, Page 56)

Effective July 1, 2008, all laboratory tests performed must meet the requirements of *30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification* with the following general exemptions:

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

Review *30 TAC Chapter 25* for specific requirements. The following certification statement shall be signed and submitted with every application. See Instructions, Page 34, for a list of approved signatories.

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


(Signature)

2. GENERAL TESTING REQUIREMENTS (Instructions, Pages 56-58)

- a. Provide the date range of all sampling events conducted to obtain the analytical data submitted with this application (e.g., 05/01/2018-05/30/2018):
- b. Check the box to confirm all samples were collected no more than 12 months prior to the date of application submittal.
- c. Read the general testing requirements in the instructions for important information about sampling, test methods, and MALs. If a contact laboratory was used, attach a list which includes the name, contact information, and pollutants analyzed for each laboratory/firm. Attachment:

3. SPECIFIC TESTING REQUIREMENTS (Instructions, Pages 58-69)

Attach correspondence from TCEQ approving submittal of less than the required number of samples, if applicable. Attachment:

TABLE 1 and TABLE 2 (Instructions, Page 58)

Completion of Tables 1 and 2 is required for all external outfalls for all TPDES permit applications.

Table 1 for Outfall No.: 001Samples are (check one): Composite Grab

Pollutant	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)
BOD (5-day)	<1.0	<1.0	<1.0	<1.0
CBOD (5-day)	<1.0	<1.0	<1.0	<1.0
Chemical oxygen demand	<16.1	<16.1	<16.1	<16.1
Total organic carbon	3.85	2.03	1.91	1.74
Dissolved oxygen				
Ammonia nitrogen	0.231	0.279	0.194	0.737
Total suspended solids	99.5	5.6	2.90	3.10
Nitrate nitrogen	<0.274	<0.379	<0.379	<0.379
Total organic nitrogen	0.05	0.242	0.250	0.250
Total phosphorus	0.0874	.0211	<0.0152	<0.0152
Oil and grease	<0.398	<0.489	<.427	<1.41
Total residual chlorine				
Total dissolved solids	615	489	475	472
Sulfate	172	173	158	158
Chloride	98.3	89.2	89.4	90
Fluoride	0.758	0.699	0.669	.694
Total alkalinity (mg/L as CaCO ₃)	137	120	118	120
Temperature (°F)	70.52	76.53	77.31	76.41
pH (standard units)	8.47	8.45	8.45	8.49

Table 2 for Outfall No.: 001Samples are (check one): Composites Grabs

Pollutant	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	MAL (µg/L)
Aluminum, total	1,770	146	68.0	163	2.5
Antimony, total	<2.42	<2.42	<2.42	<2.42	5
Arsenic, total	<4.18	<4.18	<4.18	<4.18	0.5
Barium, total	125	111	108	106	3
Beryllium, total	<.180	<.180	<.180	<0.180	0.5
Cadmium, total	11.8	19.8	15.1	12.0	1
Chromium, total	<2.17	<.710	<.710	<.710	3
Chromium, hexavalent	<2.00	<2.00	<2.00	<2.00	3
Chromium, trivalent	2.17	.710	<.710	<.710	N/A
Copper, total	24.6	30.1	14.9	17.6	2
Cyanide, available	<4.30	<4.30	<4.30	<4.30	2/10
Lead, total	7.29	6.07	3.98	3.49	0.5
Mercury, total	ND	ND	ND	ND	0.005/0.0005
Nickel, total	5.08	<3.58	<3.58	<3.58	2
Selenium, total	<5.00	<5.00	<5.00	<5.00	5
Silver, total	<.990	<.990	<.990	<.990	0.5
Thallium, total	<7.75	<7.75	<7.75	<7.75	0.5
Zinc, total	165	168	265	311	5.0

TABLE 3 (Instructions, Page 58)

Completion of Table 3 is required for all external outfalls which discharge process wastewater.

Partial completion of Table 3 is required for all external outfalls which discharge non-process wastewater and stormwater associated with industrial activities commingled with other wastestreams (see instructions for additional guidance).

Table 3 for Outfall No.: 001

Samples are (check one): Composites Grabs

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
Acrylonitrile	<7.09	<7.09	<7.09	<7.09	50
Anthracene	<1.11	<1.11	<.0804	<.0804	10
Benzene	<2.07	<2.07	<2.07	<2.07	10
Benzidine	<3.11	<3.11	<3.74	<3.74	50
Benzo(a)anthracene	<1.02	<.933	<.199	<.199	5
Benzo(a)pyrene	<.941	<.941	<.0381	<.0381	5
Bis(2-chloroethyl)ether	<1.01	<1.01	<.137	<.137	10
Bis(2-ethylhexyl)phthalate	<3.18	<3.18	<.895	<.895	10
Bromodichloromethane [Dichlorobromomethane]	<1.79	<1.79	<1.79	<1.79	10
Bromoform	<.960	<.960	<.960	<.960	10
Carbon tetrachloride	<1.59	<1.59	<1.59	<1.59	2
Chlorobenzene	<2.76	<2.76	<2.76	<2.76	10
Chlorodibromomethane [Dibromochloromethane]	<3.27	<3.27	<3.27	<3.27	10
Chloroform	<2.12	<2.12	<2.12	<2.12	10
Chrysene	<1.02	<1.02	<.130	<.130	5
m-Cresol [3-Methylphenol]	<.760	<.767	<.767	<.767	10
o-Cresol [2-Methylphenol]	<.760	<.767	<.767	<.767	10
p-Cresol [4-Methylphenol]	<.760	<.760	<.760	<.760	10
1,2-Dibromoethane	<.403	<.403	<.403	<.403	10
m-Dichlorobenzene [1,3-Dichlorobenzene]	<4.19	<4.19	<4.19	<4.19	10
o-Dichlorobenzene [1,2-Dichlorobenzene]	<1.72	<1.72	<1.72	<1.72	10
p-Dichlorobenzene [1,4-Dichlorobenzene]	<1.73	<1.73	<1.73	<1.73	10
3,3'-Dichlorobenzidine	<2.65	<2.65	<.265	<.212	5
1,2-Dichloroethane	<1.95	<1.95	<1.95	<1.95	10
1,1-Dichloroethene [1,1-Dichloroethylene]	<3.67	<3.67	<3.67	<3.67	10
Dichloromethane [Methylene chloride]	<11.7	<11.7	<11.7	<11.7	20
1,2-Dichloropropane	<.804	.804	<.804	<.804	10
1,3-Dichloropropene [1,3-Dichloropropylene]	<4.92	<4.92	<4.92	<4.92	10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
2,4-Dimethylphenol	<1.42	<1.42	<.0636	<.0636	10
Di-n-Butyl phthalate	<1.20	<1.20	<.453	<.453	10
Ethylbenzene	<.401	<.401	<.401	<.401	10
Fluoride	758	699	669	694	500
Hexachlorobenzene	<.972	<.972	<.0755	<.0755	5
Hexachlorobutadiene	<1.76	<1.76	<.968	<.968	10
Hexachlorocyclopentadiene	<1.17	<1.17	<.0598	<.0598	10
Hexachloroethane	<1.88	<1.88	<.127	<.127	20
Methyl ethyl ketone	<12.9	<12.9	<12.9	<12.9	50
Nitrobenzene	<1.24	<1.24	<.297	<.297	10
N-Nitrosodiethylamine	<.551	<.925	>.925	<.925	20
N-Nitroso-di-n-butylamine	<.736	<.735	<.735	<.735	20
Nonylphenol	<2.86	<2.86	<2.86	<2.86	333
Pentachlorobenzene	<1.34	<1.34	<1.34	<1.34	20
Pentachlorophenol	<2.10	<2.10	<.313	<.313	5
Phenanthrene	<1.13	<1.13	<1.13	<.112	10
Polychlorinated biphenyls (PCBs) (**)	<.192	<.192	<.173	<.173	0.2
Pyridine	<1.17	<1.17	<1.17	<1.17	20
1,2,4,5-Tetrachlorobenzene	<1.32	<1.32	<1.32	<1.32	20
1,1,2,2-Tetrachloroethane	<.596	<.596	<.596	<.596	10
Tetrachloroethene [Tetrachloroethylene]	<4.86	<4.86	<4.86	<4.86	10
Toluene	<2.19	<2.19	<2.19	<2.19	10
1,1,1-Trichloroethane	<3.35	<3.35	<3.35	<3.35	10
1,1,2-Trichloroethane	<1.45	<1.45	<1.45	<1.45	10
Trichloroethene [Trichloroethylene]	<2.62	<4.86	<2.62	<2.62	10
2,4,5-Trichlorophenol	<1.93	<1.93	<.100	<.100	50
TTHM (Total trihalomethanes)	<10	<10	<10	<10	10
Vinyl chloride	<4.66	<4.66	<4.66	<4.66	10

(*) Indicate units if different from µg/L.

(**) Total of detects for PCB-1242, PCB-1254, PCB-1221, PCB-1232, PCB-1248, PCB-1260, and PCB-1016. If all non-detects, enter the highest non-detect preceded by a "<".

TABLE 4 (Instructions, Pages 58-59)

Partial completion of Table 4 is required for each external outfall based on the conditions below.

a. Tributyltin

Is this facility an industrial/commercial facility which currently or proposes to directly dispose of wastewater from the types of operations listed below or a domestic facility which currently or proposes to receive wastewater from the types of industrial/commercial operations listed below?

Yes No

If **yes**, check the box next to each of the following criteria which apply and provide the appropriate testing results in Table 4 below (check all that apply).

- Manufacturers and formulators of tributyltin or related compounds.
- Painting of ships, boats and marine structures.
- Ship and boat building and repairing.
- Ship and boat cleaning, salvage, wrecking and scaling.
- Operation and maintenance of marine cargo handling facilities and marinas.
- Facilities engaged in wood preserving.
- Any other industrial/commercial facility for which tributyltin is known to be present, or for which there is any reason to believe that tributyltin may be present in the effluent.

b. Enterococci (discharge to saltwater)

i. This facility discharges/proposes to discharge directly into saltwater receiving waters **and** Enterococci bacteria are expected to be present in the discharge based on facility processes.

Yes No

ii. Domestic wastewater is/will be discharged.

Yes No

If **yes to either** question, provide the appropriate testing results in Table 4 below.

c. E. coli (discharge to freshwater)

i. This facility discharges/proposes to discharge directly into freshwater receiving waters **and** *E. coli* bacteria are expected to be present in the discharge based on facility processes.

Yes No

ii. Domestic wastewater is/will be discharged.

Yes No

If **yes to either** question, provide the appropriate testing results in Table 4 below.

Table 4 for Outfall No.: [REDACTED]

Samples are (check one): Composites Grabs

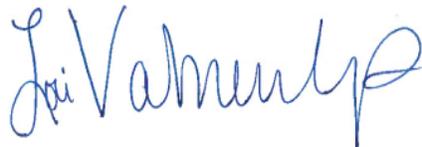
Pollutant	Sample 1	Sample 2	Sample 3	Sample 4	MAL
Tributyltin (µg/L)	N/A				0.010
Enterococci (cfu or MPN/100 mL)	N/A				N/A
<i>E. coli</i> (cfu or MPN/100 mL)	N/A				N/A

Eagle Pass Hydro WW Plant

Sample Delivery Group: L1772211
Samples Received: 08/22/2024
Project Number: PERMIT RENEWAL WK2-4
Description:

Report To: Joe Martinez
1622 Maverick Industrial Park Rd.
Eagle Pass, TX 78852

Entire Report Reviewed By:



Lori A Vahrenkamp
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

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SAMPLE SUMMARY

WW PERMIT L1772211-01 WW

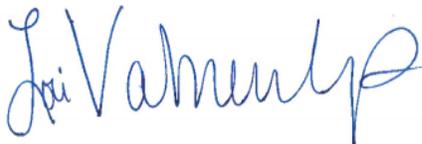
Collected by: RH, JM
 Collected date/time: 08/20/24 09:45
 Received date/time: 08/22/24 09:25

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2353543	1	09/06/24 15:05	09/06/24 15:05	KCM	Allen, TX
Gravimetric Analysis by Method 2540C	WG2352885	1	08/29/24 11:52	08/29/24 13:13	QQT	Allen, TX
Gravimetric Analysis by Method 2540D	WG2352533	1	08/29/24 03:19	08/29/24 05:16	QQT	Allen, TX
Wet Chemistry by Method 1664A	WG2355579	1	09/04/24 14:20	09/04/24 16:56	DAL	Mt. Juliet, TN
Wet Chemistry by Method 2320B	WG2355069	1	09/03/24 09:10	09/03/24 09:10	SEN	Allen, TX
Wet Chemistry by Method 300.0	WG2352080	1	08/28/24 18:24	08/28/24 18:24	SMC	Allen, TX
Wet Chemistry by Method 300.0	WG2352080	1	08/29/24 08:52	08/29/24 08:52	SMC	Allen, TX
Wet Chemistry by Method 300.0	WG2355469	1	09/04/24 14:11	09/04/24 14:11	EIG	Allen, TX
Wet Chemistry by Method 3500Cr-B	WG2357308	1	09/06/24 15:05	09/06/24 15:05	KCM	Allen, TX
Wet Chemistry by Method 351.2	WG2355106	1	09/03/24 12:14	09/04/24 14:46	EIG	Allen, TX
Wet Chemistry by Method 4500CN-E	WG2352739	1	08/29/24 10:00	08/29/24 16:00	KCM	Allen, TX
Wet Chemistry by Method 4500CN-G	WG2352739	1	08/29/24 16:00	08/29/24 16:00	KCM	Allen, TX
Wet Chemistry by Method 4500P-E	WG2352948	1	08/30/24 17:00	08/30/24 17:00	SMC	Allen, TX
Wet Chemistry by Method 5210 B-2016	WG2351992	1	08/28/24 16:38	09/02/24 12:42	JBS	Allen, TX
Wet Chemistry by Method 5210 B-2016	WG2351994	1	08/28/24 17:09	09/02/24 13:14	JBS	Allen, TX
Wet Chemistry by Method 5220D	WG2355070	1	09/03/24 10:32	09/03/24 13:54	JBS	Allen, TX
Wet Chemistry by Method 5310C	WG2353510	1	08/30/24 18:06	08/30/24 18:06	EIG	Allen, TX
Wet Chemistry by Method SM4500NH3H	WG2352982	1	08/29/24 16:57	08/29/24 16:57	EIG	Allen, TX
Metals (ICP) by Method 200.7	WG2353543	1	08/30/24 10:09	09/03/24 14:03	TDM	Allen, TX
Volatile Organic Compounds (GC/MS) by Method 624.1	WG2353074	1	08/30/24 01:06	08/30/24 01:06	JHH	Allen, TX
Polychlorinated Biphenyls (GC) by Method EPA-608.3	WG2353113	1	08/31/24 06:56	08/31/24 13:13	RDH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 625.1	WG2355603	1	09/04/24 08:06	09/06/24 21:49	DSH	Mt. Juliet, TN
Subcontracted Analyses	WG2352280	1	09/10/24 00:00	09/10/24 00:00	JWW	Green Bay, WI 54302

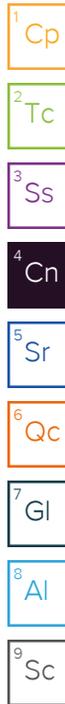


CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Lori A Vahrenkamp
Project Manager



Report Revision History

Level II Report - Version 1: 09/12/24 16:42

Project Narrative

TTHM: <0.010 mg/L
TON: <0.250 mg/L

Revised report issued 9/26/24.
L1772211 -01 contains subout data that is included after the chain of custody.

Sample Delivery Group (SDG) Narrative

The following analysis were performed from an unpreserved, insufficiently or inadequately preserved sample.

<u>Lab Sample ID</u>	<u>Project Sample ID</u>	<u>Method</u>
L1772211-01	WW PERMIT	3500Cr-B

WW PERMIT

Collected date/time: 08/20/24 09:45

SAMPLE RESULTS - 01

L1772211

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Chromium, Trivalent	<0.000710		0.000710	0.00300	1	09/06/2024 15:05	WG2353543

Gravimetric Analysis by Method 2540C

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
Total Dissolved Solids	472	<u>T8</u>	25.0	1	08/29/2024 13:13	WG2352885

Gravimetric Analysis by Method 2540D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
Suspended Solids	3.10	<u>T8</u>	2.50	1	08/29/2024 05:16	WG2352533

Wet Chemistry by Method 1664A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Oil & Grease (Hexane Extr)	<1.41		1.41	6.10	1	09/04/2024 16:56	WG2355579

Wet Chemistry by Method 2320B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Alkalinity	120		20.0	20.0	1	09/03/2024 09:10	WG2355069
Alkalinity, Bicarbonate	120		20.0	20.0	1	09/03/2024 09:10	WG2355069
Alkalinity, Carbonate	<20.0		20.0	20.0	1	09/03/2024 09:10	WG2355069
Alkalinity, Hydroxide	<20.0		20.0	20.0	1	09/03/2024 09:10	WG2355069
Phenolphthalein Alkalinity	<20.0		20.0	20.0	1	09/03/2024 09:10	WG2355069

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Chloride	90.0		0.325	0.800	1	08/29/2024 08:52	WG2352080
Fluoride	0.694		0.0947	0.500	1	09/04/2024 14:11	WG2355469
Nitrate	<0.379	<u>T8</u>	0.379	0.500	1	08/28/2024 18:24	WG2352080
Nitrite	<0.0718	<u>T8</u>	0.0718	0.500	1	08/28/2024 18:24	WG2352080
Sulfate	158		0.211	0.700	1	08/29/2024 08:52	WG2352080

Wet Chemistry by Method 3500Cr-B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Chromium, Hexavalent	<0.00200		0.00200	0.00300	1	09/06/2024 15:05	WG2357308

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Kjeldahl Nitrogen, TKN	0.633		0.140	0.250	1	09/04/2024 14:46	WG2355106

Wet Chemistry by Method 4500CN-E

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Cyanide	<0.00430		0.00430	0.0100	1	08/29/2024 16:00	WG2352739



WW PERMIT

Collected date/time: 08/20/24 09:45

SAMPLE RESULTS - 01

L1772211

Wet Chemistry by Method 4500CN-G

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide,amenable	<0.00430		0.00430	0.0100	1	08/29/2024 16:00	WG2352739

Wet Chemistry by Method 4500P-E

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Phosphorus,Total	<0.0152		0.0152	0.0500	1	08/30/2024 17:00	WG2352948

Wet Chemistry by Method 5210 B-2016

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
BOD	<1.00	J- T8	1.00	1	09/02/2024 12:42	WG2351992
CBOD	<1.00	T8	1.00	1	09/02/2024 13:14	WG2351994

Wet Chemistry by Method 5220D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
COD	<16.1		16.1	35.0	1	09/03/2024 13:54	WG2355070

Wet Chemistry by Method 5310C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TOC (Total Organic Carbon)	1.74		0.270	0.700	1	08/30/2024 18:06	WG2353510

Wet Chemistry by Method SM4500NH3H

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Ammonia Nitrogen	0.737		0.0280	0.100	1	08/29/2024 16:57	WG2352982

Metals (ICP) by Method 200.7

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Aluminum	0.163	J	0.0353	0.500	1	09/03/2024 14:03	WG2353543
Antimony	<0.00242		0.00242	0.0250	1	09/03/2024 14:03	WG2353543
Arsenic	<0.00418		0.00418	0.0100	1	09/03/2024 14:03	WG2353543
Barium	0.106		0.000490	0.0100	1	09/03/2024 14:03	WG2353543
Beryllium	<0.000180		0.000180	0.00100	1	09/03/2024 14:03	WG2353543
Cadmium	0.0120		0.000350	0.00500	1	09/03/2024 14:03	WG2353543
Chromium	<0.000710		0.000710	0.00700	1	09/03/2024 14:03	WG2353543
Copper	0.0176	J	0.00364	0.0200	1	09/03/2024 14:03	WG2353543
Lead	0.00349	J	0.00312	0.0100	1	09/03/2024 14:03	WG2353543
Nickel	<0.00358		0.00358	0.0100	1	09/03/2024 14:03	WG2353543
Selenium	<0.00500		0.00500	0.0200	1	09/03/2024 14:03	WG2353543
Silver	<0.000990		0.000990	0.00500	1	09/03/2024 14:03	WG2353543
Thallium	<0.00775		0.00775	0.0200	1	09/03/2024 14:03	WG2353543
Zinc	0.311		0.0106	0.0250	1	09/03/2024 14:03	WG2353543

Volatile Organic Compounds (GC/MS) by Method 624.1

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
1,1,1-Trichloroethane	<0.00335		0.00335	0.00500	1	08/30/2024 01:06	WG2353074
1,1,2,2-Tetrachloroethane	<0.000596		0.000596	0.00500	1	08/30/2024 01:06	WG2353074
1,1,2-Trichloroethane	<0.00145		0.00145	0.00500	1	08/30/2024 01:06	WG2353074
1,1-Dichloroethane	<0.00292		0.00292	0.00500	1	08/30/2024 01:06	WG2353074



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SAMPLE RESULTS - 01

Collected date/time: 08/20/24 09:45

L1772211

Volatile Organic Compounds (GC/MS) by Method 624.1

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1-Dichloroethene	<0.00367		0.00367	0.00500	1	08/30/2024 01:06	WG2353074
1,2-Dibromoethane	<0.000403		0.000403	0.00200	1	08/30/2024 01:06	WG2353074
1,2-Dichlorobenzene	<0.00172		0.00172	0.00200	1	08/30/2024 01:06	WG2353074
1,2-Dichloroethane	<0.00195		0.00195	0.00500	1	08/30/2024 01:06	WG2353074
1,2-Dichloropropane	<0.000804		0.000804	0.00200	1	08/30/2024 01:06	WG2353074
1,3-Dichlorobenzene	<0.00419		0.00419	0.00500	1	08/30/2024 01:06	WG2353074
1,4-Dichlorobenzene	<0.00173		0.00173	0.00200	1	08/30/2024 01:06	WG2353074
2-Chloroethyl vinyl ether	<0.00652		0.00652	0.0100	1	08/30/2024 01:06	WG2353074
Acrolein	<0.00544		0.00544	0.0100	1	08/30/2024 01:06	WG2353074
Acrylonitrile	<0.00709		0.00709	0.0100	1	08/30/2024 01:06	WG2353074
Benzene	<0.00207		0.00207	0.00500	1	08/30/2024 01:06	WG2353074
Bromodichloromethane	<0.00179		0.00179	0.00200	1	08/30/2024 01:06	WG2353074
Bromoform	<0.000960		0.000960	0.0100	1	08/30/2024 01:06	WG2353074
Bromomethane	<0.00347		0.00347	0.00500	1	08/30/2024 01:06	WG2353074
Carbon tetrachloride	<0.00159		0.00159	0.00200	1	08/30/2024 01:06	WG2353074
Chlorobenzene	<0.00276		0.00276	0.0100	1	08/30/2024 01:06	WG2353074
Chloroethane	<0.00296		0.00296	0.00500	1	08/30/2024 01:06	WG2353074
Chloroform	<0.00212		0.00212	0.00500	1	08/30/2024 01:06	WG2353074
Chloromethane	<0.00361		0.00361	0.00500	1	08/30/2024 01:06	WG2353074
cis-1,2-Dichloroethene	<0.00113		0.00113	0.00500	1	08/30/2024 01:06	WG2353074
cis-1,3-Dichloropropene	<0.00492		0.00492	0.0100	1	08/30/2024 01:06	WG2353074
Dibromochloromethane	<0.00327		0.00327	0.00500	1	08/30/2024 01:06	WG2353074
Ethylbenzene	<0.000401		0.000401	0.00200	1	08/30/2024 01:06	WG2353074
Methylene Chloride	<0.0117		0.0117	0.0200	1	08/30/2024 01:06	WG2353074
2-Butanone (MEK)	<0.0129		0.0129	0.0250	1	08/30/2024 01:06	WG2353074
Tetrachloroethene	<0.00486		0.00486	0.0100	1	08/30/2024 01:06	WG2353074
Toluene	<0.00219		0.00219	0.00500	1	08/30/2024 01:06	WG2353074
Total 1,3-Dichloropropene	<0.00372		0.00372	0.0100	1	08/30/2024 01:06	WG2353074
trans-1,2-Dichloroethene	<0.00501		0.00501	0.0100	1	08/30/2024 01:06	WG2353074
trans-1,3-Dichloropropene	<0.00460		0.00460	0.00500	1	08/30/2024 01:06	WG2353074
Trichloroethene	<0.00262		0.00262	0.00500	1	08/30/2024 01:06	WG2353074
Vinyl chloride	<0.00466		0.00466	0.00500	1	08/30/2024 01:06	WG2353074
(S) 1,2-Dichloroethane-d4	105			70.0-130		08/30/2024 01:06	WG2353074
(S) 4-Bromofluorobenzene	98.4			70.0-130		08/30/2024 01:06	WG2353074
(S) Toluene-d8	101			70.0-130		08/30/2024 01:06	WG2353074

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Polychlorinated Biphenyls (GC) by Method EPA-608.3

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
PCB 1016	<0.000270	T8	0.000270	0.000500	1	08/31/2024 13:13	WG2353113
PCB 1221	<0.000270	T8	0.000270	0.000500	1	08/31/2024 13:13	WG2353113
PCB 1232	<0.000270	T8	0.000270	0.000500	1	08/31/2024 13:13	WG2353113
PCB 1242	<0.000270	T8	0.000270	0.000500	1	08/31/2024 13:13	WG2353113
PCB 1248	<0.000173	T8	0.000173	0.000500	1	08/31/2024 13:13	WG2353113
PCB 1254	<0.000173	T8	0.000173	0.000500	1	08/31/2024 13:13	WG2353113
PCB 1260	<0.000173	T8	0.000173	0.000500	1	08/31/2024 13:13	WG2353113
Total PCBs	<0.000173	T8	0.000173	0.000500	1	08/31/2024 13:13	WG2353113
(S) Decachlorobiphenyl	60.9			10.0-144		08/31/2024 13:13	WG2353113
(S) Tetrachloro-m-xylene	87.1			10.0-135		08/31/2024 13:13	WG2353113

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Collected date/time: 08/20/24 09:45

SAMPLE RESULTS - 01

L1772211

Semi Volatile Organic Compounds (GC/MS) by Method 625.1

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	<0.000886	T8	0.000886	0.00100	1	09/06/2024 21:49	WG2355603
Acenaphthylene	<0.000921	T8	0.000921	0.00100	1	09/06/2024 21:49	WG2355603
Anthracene	<0.000804	T8	0.000804	0.00100	1	09/06/2024 21:49	WG2355603
Benzdine	<0.00374	J4 T8	0.00374	0.0100	1	09/06/2024 21:49	WG2355603
Benzo(a)anthracene	<0.000199	T8	0.000199	0.00100	1	09/06/2024 21:49	WG2355603
Benzo(b)fluoranthene	<0.000130	T8	0.000130	0.00100	1	09/06/2024 21:49	WG2355603
Benzo(k)fluoranthene	<0.000120	T8	0.000120	0.00100	1	09/06/2024 21:49	WG2355603
Benzo(g,h,i)perylene	<0.000121	T8	0.000121	0.00100	1	09/06/2024 21:49	WG2355603
Benzo(a)pyrene	<0.000381	T8	0.000381	0.00100	1	09/06/2024 21:49	WG2355603
Bis(2-chloroethoxy)methane	<0.000116	T8	0.000116	0.0100	1	09/06/2024 21:49	WG2355603
Bis(2-chloroethyl)ether	<0.000137	T8	0.000137	0.0100	1	09/06/2024 21:49	WG2355603
2,2-Oxybis(1-Chloropropane)	<0.000210	T8	0.000210	0.0100	1	09/06/2024 21:49	WG2355603
4-Bromophenyl-phenylether	<0.000877	T8	0.000877	0.0100	1	09/06/2024 21:49	WG2355603
2-Chloronaphthalene	<0.000648	T8	0.000648	0.00100	1	09/06/2024 21:49	WG2355603
4-Chlorophenyl-phenylether	<0.000926	T8	0.000926	0.0100	1	09/06/2024 21:49	WG2355603
Chrysene	<0.000130	T8	0.000130	0.00100	1	09/06/2024 21:49	WG2355603
Dibenz(a,h)anthracene	<0.000644	T8	0.000644	0.00100	1	09/06/2024 21:49	WG2355603
3,3-Dichlorobenzidine	<0.000212	T8	0.000212	0.0100	1	09/06/2024 21:49	WG2355603
2,4-Dinitrotoluene	<0.000983	T8	0.000983	0.0100	1	09/06/2024 21:49	WG2355603
2,6-Dinitrotoluene	<0.000250	T8	0.000250	0.0100	1	09/06/2024 21:49	WG2355603
1,2-Diphenylhydrazine	<0.000105	N2 T8	0.000105	0.0100	1	09/06/2024 21:49	WG2355603
Fluoranthene	<0.000102	T8	0.000102	0.00100	1	09/06/2024 21:49	WG2355603
Fluorene	<0.000844	T8	0.000844	0.00100	1	09/06/2024 21:49	WG2355603
Hexachlorobenzene	<0.000755	T8	0.000755	0.00100	1	09/06/2024 21:49	WG2355603
Hexachloro-1,3-butadiene	<0.000968	T8	0.000968	0.0100	1	09/06/2024 21:49	WG2355603
Hexachlorocyclopentadiene	<0.000598	T8	0.000598	0.0100	1	09/06/2024 21:49	WG2355603
Hexachloroethane	<0.000127	T8	0.000127	0.0100	1	09/06/2024 21:49	WG2355603
Indeno(1,2,3-cd)pyrene	<0.000279	T8	0.000279	0.00100	1	09/06/2024 21:49	WG2355603
Isophorone	<0.000143	T8	0.000143	0.0100	1	09/06/2024 21:49	WG2355603
Naphthalene	<0.000159	T8	0.000159	0.00100	1	09/06/2024 21:49	WG2355603
Nitrobenzene	<0.000297	T8	0.000297	0.0100	1	09/06/2024 21:49	WG2355603
n-Nitrosodimethylamine	<0.000998	T8	0.000998	0.0100	1	09/06/2024 21:49	WG2355603
n-Nitrosodiphenylamine	<0.00237	T8	0.00237	0.0100	1	09/06/2024 21:49	WG2355603
n-Nitrosodi-n-propylamine	<0.000261	T8	0.000261	0.0100	1	09/06/2024 21:49	WG2355603
Phenanthrene	<0.000112	T8	0.000112	0.00100	1	09/06/2024 21:49	WG2355603
Benzylbutyl phthalate	<0.000765	T8	0.000765	0.00300	1	09/06/2024 21:49	WG2355603
Bis(2-ethylhexyl)phthalate	<0.000895	T8	0.000895	0.00300	1	09/06/2024 21:49	WG2355603
Di-n-butyl phthalate	<0.000453	T8	0.000453	0.00300	1	09/06/2024 21:49	WG2355603
Diethyl phthalate	<0.000287	T8	0.000287	0.00300	1	09/06/2024 21:49	WG2355603
Dimethyl phthalate	<0.000260	T8	0.000260	0.00300	1	09/06/2024 21:49	WG2355603
Di-n-octyl phthalate	<0.000932	T8	0.000932	0.00300	1	09/06/2024 21:49	WG2355603
Pyrene	<0.000107	T8	0.000107	0.00100	1	09/06/2024 21:49	WG2355603
1,2,4-Trichlorobenzene	<0.000698	T8	0.000698	0.0100	1	09/06/2024 21:49	WG2355603
4-Chloro-3-methylphenol	<0.000131	T8	0.000131	0.0100	1	09/06/2024 21:49	WG2355603
2-Chlorophenol	<0.000133	T8	0.000133	0.0100	1	09/06/2024 21:49	WG2355603
2,4-Dichlorophenol	<0.000102	T8	0.000102	0.0100	1	09/06/2024 21:49	WG2355603
2,4-Dimethylphenol	<0.000636	T8	0.000636	0.0100	1	09/06/2024 21:49	WG2355603
4,6-Dinitro-2-methylphenol	<0.00112	T8	0.00112	0.0100	1	09/06/2024 21:49	WG2355603
2,4-Dinitrophenol	<0.00593	T8	0.00593	0.0100	1	09/06/2024 21:49	WG2355603
2-Nitrophenol	<0.000117	T8	0.000117	0.0100	1	09/06/2024 21:49	WG2355603
4-Nitrophenol	<0.000143	T8	0.000143	0.0100	1	09/06/2024 21:49	WG2355603
Pentachlorophenol	<0.000313	T8	0.000313	0.0100	1	09/06/2024 21:49	WG2355603
Phenol	<0.00433	T8	0.00433	0.0100	1	09/06/2024 21:49	WG2355603
2,4,6-Trichlorophenol	<0.000100	T8	0.000100	0.0100	1	09/06/2024 21:49	WG2355603
(S) Nitrobenzene-d5	62.1			15.0-314		09/06/2024 21:49	WG2355603
(S) 2-Fluorobiphenyl	62.5			22.0-127		09/06/2024 21:49	WG2355603

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

ACCOUNT:

Eagle Pass Hydro WW Plant

PROJECT:

PERMIT RENEWAL WK2-4

SDG:

L1772211

DATE/TIME:

09/26/24 12:55

PAGE:

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Semi Volatile Organic Compounds (GC/MS) by Method 625.1

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) p-Terphenyl-d14	88.1			29.0-141		09/06/2024 21:49	WG2355603
(S) Phenol-d5	20.4			8.00-424		09/06/2024 21:49	WG2355603
(S) 2-Fluorophenol	28.4			10.0-120		09/06/2024 21:49	WG2355603
(S) 2,4,6-Tribromophenol	65.3			10.0-153		09/06/2024 21:49	WG2355603

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

(MB) R4113931-1 08/29/24 13:13

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Total Dissolved Solids	<25.0		25.0	25.0

¹Cp

²Tc

³Ss

L1771461-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1771461-02 08/29/24 13:13 • (DUP) R4113931-3 08/29/24 13:13

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Total Dissolved Solids	3860	4050	1	4.80		10

⁴Cn

⁵Sr

L1771612-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1771612-01 08/29/24 13:13 • (DUP) R4113931-4 08/29/24 13:13

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Total Dissolved Solids	1780	1730	1	3.02		10

⁶Qc

⁷Gl

⁸Al

Laboratory Control Sample (LCS)

(LCS) R4113931-2 08/29/24 13:13

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Total Dissolved Solids	2410	2470	103	85.0-115	

⁹Sc

Method Blank (MB)

(MB) R4113907-1 08/29/24 05:16

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Suspended Solids	<2.50		2.50	2.50

1 Cp

2 Tc

3 Ss

L1770673-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1770673-01 08/29/24 05:16 • (DUP) R4113907-3 08/29/24 05:16

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Suspended Solids	129	139	1	7.49		10

4 Cn

5 Sr

L1770688-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1770688-01 08/29/24 05:16 • (DUP) R4113907-4 08/29/24 05:16

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Suspended Solids	4340	4100	1	5.69		10

6 Qc

7 Gl

8 Al

Laboratory Control Sample (LCS)

(LCS) R4113907-2 08/29/24 05:16

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Suspended Solids	879	868	98.7	85.0-115	

9 Sc

Method Blank (MB)

(MB) R4115513-1 09/04/24 16:56

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Oil & Grease (Hexane Extr)	<1.16		1.16	5.00

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4115513-2 09/04/24 16:56 • (LCSD) R4115513-3 09/04/24 16:56

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Oil & Grease (Hexane Extr)	40.0	36.8	38.9	92.0	97.3	78.0-114			5.55	20

4 Cn

5 Sr

6 Qc

L1772044-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1772044-01 09/04/24 16:56 • (MS) R4115513-4 09/04/24 16:56

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Oil & Grease (Hexane Extr)	40.0	<1.16	38.9	97.2	1	78.0-114	

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4114938-1 09/03/24 09:10

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Alkalinity	<20.0		20.0	20.0
Alkalinity,Bicarbonate	<20.0		20.0	20.0
Alkalinity,Carbonate	<20.0		20.0	20.0
Alkalinity,Hydroxide	<20.0		20.0	20.0
Phenolphthalein Alkalinity	<20.0		20.0	20.0

L1772957-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1772957-02 09/03/24 09:10 • (DUP) R4114938-3 09/03/24 09:10

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	207	207	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4114938-2 09/03/24 09:10

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Alkalinity	250	240	96.0	90.0-110	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4113217-1 08/28/24 16:02

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Chloride	<0.325		0.325	0.800
Nitrate	<0.379		0.379	0.500
Nitrite	<0.0718		0.0718	0.500
Sulfate	<0.211		0.211	0.700

Laboratory Control Sample (LCS)

(LCS) R4113217-2 08/28/24 16:14

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/l	mg/l	%	%	
Chloride	5.00	5.18	104	90.0-110	
Nitrate	5.00	4.99	99.7	90.0-110	
Nitrite	5.00	4.95	99.0	90.0-110	
Sulfate	5.00	5.27	105	90.0-110	

L1772137-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772137-01 08/28/24 17:37 • (MS) R4113217-3 08/28/24 19:47 • (MSD) R4113217-4 08/28/24 19:59

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Nitrate	5.00	1.89	3.46	3.48	31.5	31.8	1	90.0-110	J6	J6	0.334	20
Nitrite	5.00	0.207	3.47	3.51	65.2	66.0	1	90.0-110	J6	J6	1.16	20

L1772137-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772137-01 08/28/24 19:23 • (MS) R4113217-5 08/28/24 20:11 • (MSD) R4113217-6 08/28/24 20:46

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Sulfate	500	156	664	669	102	103	1	90.0-110			0.771	20

L1772137-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772137-01 08/28/24 19:35 • (MS) R4113217-7 08/28/24 20:57 • (MSD) R4113217-8 08/28/24 21:09

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Chloride	2500	1520	4150	4120	105	104	1	90.0-110			0.685	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4115408-1 09/04/24 13:11

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Fluoride	<0.0947		0.0947	0.500

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4115408-2 09/04/24 13:23

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluoride	5.00	5.22	104	90.0-110	

4 Cn

5 Sr

L1772221-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772221-01 09/04/24 14:23 • (MS) R4115408-3 09/04/24 13:35 • (MSD) R4115408-4 09/04/24 13:47

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Fluoride	5.00	0.669	5.59	5.71	98.4	101	1	90.0-110			2.06	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4116520-1 09/06/24 15:05

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chromium,Hexavalent	<0.00200		0.00200	0.00300

Laboratory Control Sample (LCS)

(LCS) R4116520-2 09/06/24 15:05

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chromium,Hexavalent	0.200	0.195	97.4	85.0-115	

L1773637-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1773637-01 09/06/24 15:05 • (MS) R4116520-3 09/06/24 15:05 • (MSD) R4116520-4 09/06/24 15:05

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chromium,Hexavalent	0.200	<0.00200	0.191	0.194	95.7	97.0	1	85.0-115			1.33	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4115402-1 09/04/24 14:22

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Kjeldahl Nitrogen, TKN	<0.140		0.140	0.250

Laboratory Control Sample (LCS)

(LCS) R4115402-2 09/04/24 14:23

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Kjeldahl Nitrogen, TKN	4.00	3.96	99.0	90.0-110	

L1769869-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1769869-03 09/04/24 14:26 • (MS) R4115402-3 09/04/24 15:04 • (MSD) R4115402-4 09/04/24 15:05

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Kjeldahl Nitrogen, TKN	4.00	5.92	14.0	13.0	202	177	1	90.0-110	<u>E J5</u>	<u>E J5</u>	7.41	20

L1770293-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1770293-01 09/04/24 14:27 • (MS) R4115402-5 09/04/24 15:06 • (MSD) R4115402-6 09/04/24 15:08

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Kjeldahl Nitrogen, TKN	20.0	39.9	68.5	70.4	143	153	10	90.0-110	<u>J5</u>	<u>J5</u>	2.74	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4113520-1 08/29/24 16:00

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Cyanide	<0.00430		0.00430	0.0100

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4113520-2 08/29/24 16:00

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Cyanide	0.100	0.0963	96.3	85.0-115	

4 Cn

5 Sr

6 Qc

L1771495-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1771495-02 08/29/24 16:00 • (MS) R4113520-3 08/29/24 16:00 • (MSD) R4113520-4 08/29/24 16:00

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Cyanide	0.100	<0.00430	0.0956	0.101	95.6	101	1	85.0-115			5.31	20

7 Gl

8 Al

9 Sc

L1772137-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772137-01 08/29/24 16:00 • (MS) R4113520-5 08/29/24 16:00 • (MSD) R4113520-6 08/29/24 16:00

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Cyanide	0.100	<0.00430	0.0852	0.0949	85.2	94.9	1	85.0-115			10.8	20

Method Blank (MB)

(MB) R4114138-1 08/30/24 17:00

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Phosphorus,Total	<0.0152		0.0152	0.0500

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4114138-2 08/30/24 17:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Phosphorus,Total	0.500	0.518	104	80.0-120	

4 Cn

5 Sr

L1772221-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772221-01 08/30/24 17:01 • (MS) R4114138-3 08/30/24 17:01 • (MSD) R4114138-4 08/30/24 17:01

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Phosphorus,Total	0.500	<0.0152	0.523	0.525	105	105	1	80.0-120			0.443	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4114583-1 09/02/24 12:27

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
BOD	<0.200		0.200	0.200

1 Cp

2 Tc

3 Ss

L1772224-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1772224-01 09/02/24 12:45 • (DUP) R4114583-3 09/02/24 12:46

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
BOD	<1.00	<1.00	1	0		20

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4114583-2 09/02/24 12:32

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
BOD	198	168	84.6	85-115	J-

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4114587-1 09/02/24 13:00

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
CBOD	0.200		0.200	0.200

1 Cp

2 Tc

3 Ss

L1772134-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1772134-02 09/02/24 13:11 • (DUP) R4114587-3 09/02/24 13:24

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
CBOD	<1.00	<1.00	1	0		20

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4114587-2 09/02/24 13:05

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
CBOD	198	168	85	85-115	

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4114968-1 09/03/24 13:54

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
COD	<16.1		16.1	35.0

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4114968-2 09/03/24 13:54

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
COD	500	529	106	80.0-120	

4 Cn

5 Sr

6 Qc

L1769663-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1769663-01 09/03/24 13:54 • (MS) R4114968-3 09/03/24 13:54 • (MSD) R4114968-4 09/03/24 13:54

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
COD	500	45.2	531	535	97.1	98.0	1	80.0-120			0.785	20

7 Gl

8 Al

L1771809-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1771809-01 09/03/24 13:54 • (MS) R4114968-5 09/03/24 13:54 • (MSD) R4114968-6 09/03/24 13:54

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
COD	500	108	598	608	98.0	100	1	80.0-120			1.74	20

9 Sc

Method Blank (MB)

(MB) R4115336-1 08/30/24 13:12

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TOC (Total Organic Carbon)	<0.270		0.270	0.700

Laboratory Control Sample (LCS)

(LCS) R4115336-2 08/30/24 13:32

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	10.0	9.82	98.2	90.0-110	

L1771703-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1771703-02 08/30/24 15:28 • (MS) R4115336-3 08/30/24 14:34 • (MSD) R4115336-4 08/30/24 15:02

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	10.0	4.08	13.5	13.6	94.3	95.1	1	80.0-120			0.590	20

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

(MB) R4113602-1 08/29/24 16:14

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Ammonia Nitrogen	<0.0280		0.0280	0.100

Laboratory Control Sample (LCS)

(LCS) R4113602-2 08/29/24 16:16

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Ammonia Nitrogen	5.00	5.16	103	80.0-120	

L1771585-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1771585-01 08/29/24 16:27 • (MS) R4113602-3 08/29/24 16:18 • (MSD) R4113602-4 08/29/24 16:19

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Ammonia Nitrogen	5.00	0.252	5.24	5.23	99.8	99.6	1	80.0-120			0.191	20

L1771778-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1771778-01 08/29/24 16:37 • (MS) R4113602-5 08/29/24 16:21 • (MSD) R4113602-6 08/29/24 16:23

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Ammonia Nitrogen	5.00	0.337	5.37	5.40	101	101	1	80.0-120			0.557	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4114074-1 08/30/24 15:06

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Aluminum	<0.0353		0.0353	0.500
Antimony	<0.00242		0.00242	0.0250
Arsenic	<0.00418		0.00418	0.0100
Barium	<0.000490		0.000490	0.0100
Beryllium	<0.000180		0.000180	0.00100
Cadmium	<0.000350		0.000350	0.00500
Chromium	<0.000710		0.000710	0.00700
Copper	<0.00364		0.00364	0.0200
Lead	<0.00312		0.00312	0.0100
Nickel	<0.00358		0.00358	0.0100
Selenium	<0.00500		0.00500	0.0200
Thallium	<0.00775		0.00775	0.0200
Zinc	<0.0106		0.0106	0.0250

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4114798-1 09/03/24 10:52

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Silver	<0.000990		0.000990	0.00500

Laboratory Control Sample (LCS)

(LCS) R4114074-2 08/30/24 15:10

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	10.0	10.7	107	85.0-115	
Antimony	1.00	0.935	93.5	85.0-115	
Arsenic	1.00	0.987	98.7	85.0-115	
Barium	1.00	1.04	104	85.0-115	
Beryllium	1.00	1.06	106	85.0-115	
Cadmium	1.00	0.978	97.8	85.0-115	
Chromium	1.00	1.10	110	85.0-115	
Copper	1.00	0.986	98.6	85.0-115	
Lead	1.00	1.03	103	85.0-115	
Nickel	1.00	1.05	105	85.0-115	
Selenium	1.00	0.968	96.8	85.0-115	
Thallium	1.00	1.03	103	85.0-115	
Zinc	1.00	1.03	103	85.0-115	

Laboratory Control Sample (LCS)

(LCS) R4114798-5 09/03/24 11:59

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Silver	0.500	0.486	97.1	85.0-115	

L1772221-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772221-01 08/30/24 15:14 • (MS) R4114074-3 08/30/24 15:18 • (MSD) R4114074-4 08/30/24 15:22

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Aluminum	10.0	0.0680	10.7	10.7	107	107	1	70.0-130			0.000	20
Antimony	1.00	<0.00242	0.965	0.945	96.5	94.5	1	70.0-130			2.10	20
Arsenic	1.00	<0.00418	1.02	1.00	102	100	1	70.0-130			1.98	20
Barium	1.00	0.108	1.16	1.15	105	104	1	70.0-130			1.13	20
Beryllium	1.00	<0.000180	1.05	1.04	105	104	1	70.0-130			1.15	20
Cadmium	1.00	0.0151	1.01	0.991	99.6	97.6	1	70.0-130			1.98	20
Chromium	1.00	<0.000710	1.07	1.04	107	104	1	70.0-130			2.37	20
Copper	1.00	0.0149	1.01	0.991	99.1	97.6	1	70.0-130			1.51	20
Lead	1.00	0.00398	1.02	0.997	101	99.3	1	70.0-130			2.11	20
Nickel	1.00	<0.00358	1.03	1.01	103	101	1	70.0-130			2.06	20
Selenium	1.00	<0.00500	1.00	0.985	100	98.5	1	70.0-130			1.69	20
Thallium	1.00	<0.00775	1.02	1.00	102	100	1	70.0-130			1.49	20
Zinc	1.00	0.265	1.27	1.25	100	98.0	1	70.0-130			1.91	20

L1772221-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772221-01 09/03/24 11:00 • (MS) R4114798-3 09/03/24 11:04 • (MSD) R4114798-4 09/03/24 11:07

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Silver	0.500	<0.000990	0.400	0.375	80.0	75.1	1	70.0-130			6.35	20

L1772211-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772211-01 09/03/24 14:03 • (MS) R4114798-6 09/03/24 14:07 • (MSD) R4114798-7 09/03/24 14:11

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Aluminum	10.0	0.163	10.4	10.4	103	102	1	70.0-130			0.288	20
Antimony	1.00	<0.00242	1.01	1.02	101	102	1	70.0-130			0.692	20
Arsenic	1.00	<0.00418	1.04	1.04	104	104	1	70.0-130			0.0960	20
Barium	1.00	0.106	1.11	1.11	101	100	1	70.0-130			0.270	20
Beryllium	1.00	<0.000180	1.02	1.02	102	102	1	70.0-130			0.196	20
Cadmium	1.00	0.0120	1.03	1.03	102	102	1	70.0-130			0.0970	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1772211-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772211-01 09/03/24 14:03 • (MS) R4114798-6 09/03/24 14:07 • (MSD) R4114798-7 09/03/24 14:11

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chromium	1.00	<0.000710	1.05	1.03	105	103	1	70.0-130			1.63	20
Copper	1.00	0.0176	1.03	1.02	101	100	1	70.0-130			0.391	20
Lead	1.00	0.00349	1.04	1.03	103	103	1	70.0-130			0.193	20
Nickel	1.00	<0.00358	1.03	1.03	103	103	1	70.0-130			0.389	20
Selenium	1.00	<0.00500	1.02	1.03	102	103	1	70.0-130			0.973	20
Silver	0.500	<0.000990	0.389	0.393	77.8	78.7	1	70.0-130			1.10	20
Thallium	1.00	<0.00775	1.03	1.03	103	103	1	70.0-130			0.000	20
Zinc	1.00	0.311	1.37	1.35	106	104	1	70.0-130			1.32	20

- 1
Cp
- 2
Tc
- 3
Ss
- 4
Cn
- 5
Sr
- 6
Qc
- 7
Gl
- 8
Al
- 9
Sc

Method Blank (MB)

(MB) R4113894-2 08/29/24 16:06

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,1-Trichloroethane	<0.00335		0.00335	0.00500
1,1,2,2-Tetrachloroethane	<0.000596		0.000596	0.00500
1,1,2-Trichloroethane	<0.00145		0.00145	0.00500
1,1-Dichloroethane	<0.00292		0.00292	0.00500
1,1-Dichloroethene	<0.00367		0.00367	0.00500
1,2-Dibromoethane	<0.000403		0.000403	0.00200
1,2-Dichlorobenzene	<0.00172		0.00172	0.00200
1,2-Dichloroethane	<0.00195		0.00195	0.00500
1,2-Dichloropropane	<0.000804		0.000804	0.00200
1,3-Dichlorobenzene	<0.00419		0.00419	0.00500
1,4-Dichlorobenzene	<0.00173		0.00173	0.00200
2-Chloroethyl vinyl ether	<0.00652		0.00652	0.0100
Acrolein	<0.00544		0.00544	0.0100
Acrylonitrile	<0.00709		0.00709	0.0100
Benzene	<0.00207		0.00207	0.00500
Bromodichloromethane	<0.00179		0.00179	0.00200
Bromoform	<0.000960		0.000960	0.0100
Bromomethane	<0.00347		0.00347	0.00500
Carbon tetrachloride	<0.00159		0.00159	0.00200
Chlorobenzene	<0.00276		0.00276	0.0100
Chloroethane	<0.00296		0.00296	0.00500
Chloroform	<0.00212		0.00212	0.00500
Chloromethane	<0.00361		0.00361	0.00500
cis-1,2-Dichloroethene	<0.00113		0.00113	0.00500
cis-1,3-Dichloropropene	<0.00492		0.00492	0.0100
Dibromochloromethane	<0.00327		0.00327	0.00500
Ethylbenzene	<0.000401		0.000401	0.00200
Methylene Chloride	<0.0118		0.0118	0.0200
2-Butanone (MEK)	<0.0129		0.0129	0.0250
Tetrachloroethene	<0.00486		0.00486	0.0100
Toluene	<0.00219		0.00219	0.00500
Total 1,3-Dichloropropene	<0.00372		0.00372	0.0100
trans-1,2-Dichloroethene	<0.00501		0.00501	0.0100
trans-1,3-Dichloropropene	<0.00460		0.00460	0.00500
Trichloroethene	<0.00262		0.00262	0.00500
Vinyl chloride	<0.00466		0.00466	0.00500
(S) 1,2-Dichloroethane-d4	105			70.0-130
(S) 4-Bromofluorobenzene	99.7			70.0-130
(S) Toluene-d8	100			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4113894-1 08/29/24 15:11

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
1,1,1-Trichloroethane	0.0200	0.0211	105	70.0-130	
1,1,2,2-Tetrachloroethane	0.0200	0.0210	105	60.0-140	
1,1,2-Trichloroethane	0.0200	0.0212	106	70.0-130	
1,1-Dichloroethane	0.0200	0.0206	103	70.0-130	
1,1-Dichloroethene	0.0200	0.0208	104	50.0-150	
1,2-Dibromoethane	0.0200	0.0210	105	70.0-130	
1,2-Dichlorobenzene	0.0200	0.0197	98.5	65.0-135	
1,2-Dichloroethane	0.0200	0.0204	102	70.0-130	
1,2-Dichloropropane	0.0200	0.0214	107	35.0-165	
1,3-Dichlorobenzene	0.0200	0.0194	97.0	70.0-130	
1,4-Dichlorobenzene	0.0200	0.0187	93.5	65.0-135	
2-Chloroethyl vinyl ether	0.100	0.0704	70.4	1.00-225	
Acrolein	0.100	0.103	103	64.0-139	
Acrylonitrile	0.100	0.111	111	67.0-136	
Benzene	0.0200	0.0214	107	65.0-135	
Bromodichloromethane	0.0200	0.0210	105	65.0-135	
Bromoform	0.0200	0.0202	101	70.0-130	
Bromomethane	0.0200	0.0222	111	15.0-185	
Carbon tetrachloride	0.0200	0.0197	98.5	70.0-130	
Chlorobenzene	0.0200	0.0198	99.0	65.0-135	
Chloroethane	0.0200	0.0211	105	40.0-160	
Chloroform	0.0200	0.0203	102	70.0-135	
Chloromethane	0.0200	0.0245	123	1.00-205	
cis-1,2-Dichloroethene	0.0200	0.0195	97.5	70.0-130	
cis-1,3-Dichloropropene	0.0200	0.0217	109	25.0-175	
Dibromochloromethane	0.0200	0.0203	102	70.0-135	
Ethylbenzene	0.0200	0.0201	101	60.0-140	
Methylene Chloride	0.0200	0.0209	105	60.0-140	
2-Butanone (MEK)	0.100	0.119	119	70.0-130	
Tetrachloroethene	0.0200	0.0196	98.0	70.0-130	
Toluene	0.0200	0.0206	103	70.0-130	
Total 1,3-Dichloropropene	0.0401	0.0446	111	70.0-130	
trans-1,2-Dichloroethene	0.0200	0.0213	106	70.0-130	
trans-1,3-Dichloropropene	0.0200	0.0229	115	50.0-150	
Trichloroethene	0.0200	0.0204	102	65.0-135	
Vinyl chloride	0.0200	0.0198	99.0	5.00-195	
(S) 1,2-Dichloroethane-d4			105	70.0-130	
(S) 4-Bromofluorobenzene			100	70.0-130	
(S) Toluene-d8			101	70.0-130	

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L1771701-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1771701-25 08/29/24 16:55 • (MS) R4113894-3 08/29/24 17:20 • (MSD) R4113894-4 08/29/24 17:44

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,1,1-Trichloroethane	0.0200	<0.00335	0.0245	0.0242	123	121	1	52.0-162			1.23	36
1,1,2,2-Tetrachloroethane	0.0200	<0.000596	0.0241	0.0238	121	119	1	46.0-157			1.25	61
1,1,2-Trichloroethane	0.0200	<0.00145	0.0236	0.0243	118	122	1	52.0-150			2.92	45
1,1-Dichloroethane	0.0200	<0.00292	0.0241	0.0233	121	117	1	59.0-155			3.38	40
1,1-Dichloroethene	0.0200	<0.00367	0.0261	0.0249	131	124	1	1.00-234			4.71	32
1,2-Dibromoethane	0.0200	<0.000403	0.0234	0.0238	117	119	1	70.0-130			1.69	20
1,2-Dichlorobenzene	0.0200	<0.00172	0.0233	0.0227	117	114	1	18.0-190			2.61	57
1,2-Dichloroethane	0.0200	<0.00195	0.0236	0.0231	118	116	1	49.0-155			2.14	49
1,2-Dichloropropane	0.0200	<0.000804	0.0237	0.0249	119	124	1	1.00-210			4.94	55
1,3-Dichlorobenzene	0.0200	<0.00419	0.0227	0.0227	114	114	1	59.0-156			0.000	43
1,4-Dichlorobenzene	0.0200	<0.00173	0.0231	0.0228	116	114	1	18.0-190			1.31	57
2-Chloroethyl vinyl ether	0.100	<0.00652	<0.00652	<0.00652	0.000	0.000	1	1.00-305	J6	J6	0.000	71
Acrolein	0.100	<0.00544	0.106	0.103	106	103	1	4.00-172			2.87	20
Acrylonitrile	0.100	<0.00709	0.115	0.100	115	100	1	22.0-189			14.0	20
Benzene	0.0200	<0.00207	0.0248	0.0247	124	123	1	37.0-151			0.404	61
Bromodichloromethane	0.0200	<0.00179	0.0223	0.0228	112	114	1	35.0-155			2.22	56
Bromoform	0.0200	<0.000960	0.0223	0.0225	112	113	1	70.0-130			0.893	42
Bromomethane	0.0200	<0.00347	0.0220	0.0238	110	119	1	15.0-185			7.86	61
Carbon tetrachloride	0.0200	<0.00159	0.0236	0.0243	118	122	1	70.0-140			2.92	41
Chlorobenzene	0.0200	<0.00276	0.0225	0.0231	113	116	1	37.0-160			2.63	53
Chloroethane	0.0200	<0.00296	0.0218	0.0220	109	110	1	14.0-230			0.913	78
Chloroform	0.0200	0.00560	0.0285	0.0285	115	115	1	51.0-138			0.000	54
Chloromethane	0.0200	<0.00361	0.0251	0.0231	126	116	1	1.00-273			8.30	20
cis-1,2-Dichloroethene	0.0200	<0.00113	0.0237	0.0229	119	115	1	70.0-130			3.43	20
cis-1,3-Dichloropropene	0.0200	<0.00492	0.0239	0.0243	120	122	1	1.00-227			1.66	58
Dibromochloromethane	0.0200	<0.00327	0.0223	0.0222	112	111	1	53.0-149			0.449	50
Ethylbenzene	0.0200	<0.000401	0.0239	0.0240	120	120	1	37.0-162			0.418	63
Methylene Chloride	0.0200	<0.0118	0.0231	0.0232	116	116	1	1.00-221			0.432	28
2-Butanone (MEK)	0.100	<0.0129	0.0644	0.0641	64.4	64.1	1	70.0-130	J6	J6	0.467	20
Tetrachloroethene	0.0200	<0.00486	0.0232	0.0235	116	117	1	64.0-148			1.28	39
Toluene	0.0200	<0.00219	0.0236	0.0238	118	119	1	47.0-150			0.844	41
Total 1,3-Dichloropropene	0.0401	<0.00372	0.0502	0.0490	125	122	1	70.0-130			2.42	20
trans-1,2-Dichloroethene	0.0200	<0.00501	0.0248	0.0250	124	125	1	54.0-156			0.803	45
trans-1,3-Dichloropropene	0.0200	<0.00460	0.0263	0.0247	132	123	1	17.0-183			6.27	86
Trichloroethene	0.0200	<0.00262	0.0245	0.0238	123	119	1	70.0-157			2.90	48
Vinyl chloride	0.0200	<0.00466	0.0226	0.0218	113	109	1	1.00-251			3.60	66
(S) 1,2-Dichloroethane-d4					104	103		70.0-130				
(S) 4-Bromofluorobenzene					102	98.8		70.0-130				
(S) Toluene-d8					98.6	99.6		70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4114567-1 08/31/24 12:46

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
PCB 1016	<0.000270		0.000270	0.000500
PCB 1221	<0.000270		0.000270	0.000500
PCB 1232	<0.000270		0.000270	0.000500
PCB 1242	<0.000270		0.000270	0.000500
PCB 1248	<0.000173		0.000173	0.000500
PCB 1254	<0.000173		0.000173	0.000500
PCB 1260	<0.000173		0.000173	0.000500
Total PCBs	<0.000173		0.000173	0.000500
(S) Decachlorobiphenyl	62.0			10.0-144
(S) Tetrachloro-m-xylene	106			10.0-135

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R4114567-5 08/31/24 13:04

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.00250	0.00261	104	50.0-140	
PCB 1260	0.00250	0.00198	79.2	8.00-140	
(S) Decachlorobiphenyl			32.3	10.0-144	
(S) Tetrachloro-m-xylene			95.7	10.0-135	

L1772229-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772229-04 08/31/24 13:31 • (MS) R4114567-6 08/31/24 13:57 • (MSD) R4114567-7 08/31/24 14:06

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1016	0.00250	<0.000270	0.00575	0.00546	230	218	1	50.0-140	J5 P	J5 P	5.17	36
PCB 1260	0.00250	<0.000173	0.000800	0.000660	32.0	26.4	1	8.00-140			19.2	38
(S) Decachlorobiphenyl					8.27	6.25		10.0-144	J2	J2		
(S) Tetrachloro-m-xylene					16.5	17.0		10.0-135				

Sample Narrative:

OS: Surrogate failure due to matrix interference

Method Blank (MB)

(MB) R4117839-2 09/06/24 20:44

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acenaphthene	<0.0000886		0.0000886	0.00100
Acenaphthylene	<0.0000921		0.0000921	0.00100
Anthracene	<0.0000804		0.0000804	0.00100
Benzidine	<0.00374		0.00374	0.0100
Benzo(a)anthracene	<0.000199		0.000199	0.00100
Benzo(b)fluoranthene	<0.000130		0.000130	0.00100
Benzo(k)fluoranthene	<0.000120		0.000120	0.00100
Benzo(g,h,i)perylene	<0.000121		0.000121	0.00100
Benzo(a)pyrene	<0.0000381		0.0000381	0.00100
Bis(2-chlorethoxy)methane	<0.000116		0.000116	0.0100
Bis(2-chloroethyl)ether	<0.000137		0.000137	0.0100
2,2-Oxybis(1-Chloropropane)	<0.000210		0.000210	0.0100
4-Bromophenyl-phenylether	<0.0000877		0.0000877	0.0100
2-Chloronaphthalene	<0.0000648		0.0000648	0.00100
4-Chlorophenyl-phenylether	<0.0000926		0.0000926	0.0100
Chrysene	<0.000130		0.000130	0.00100
Dibenz(a,h)anthracene	<0.0000644		0.0000644	0.00100
3,3-Dichlorobenzidine	<0.000212		0.000212	0.0100
2,4-Dinitrotoluene	<0.0000983		0.0000983	0.0100
2,6-Dinitrotoluene	<0.000250		0.000250	0.0100
1,2-Diphenylhydrazine	<0.000105	N2	0.000105	0.0100
Fluoranthene	<0.000102		0.000102	0.00100
Fluorene	<0.0000844		0.0000844	0.00100
Hexachlorobenzene	<0.0000755		0.0000755	0.00100
Hexachloro-1,3-butadiene	<0.0000968		0.0000968	0.0100
Hexachlorocyclopentadiene	<0.0000598		0.0000598	0.0100
Hexachloroethane	<0.000127		0.000127	0.0100
Indeno(1,2,3-cd)pyrene	<0.000279		0.000279	0.00100
Isophorone	<0.000143		0.000143	0.0100
Naphthalene	<0.000159		0.000159	0.00100
Nitrobenzene	<0.000297		0.000297	0.0100
n-Nitrosodimethylamine	<0.000998		0.000998	0.0100
n-Nitrosodiphenylamine	<0.00237		0.00237	0.0100
n-Nitrosodi-n-propylamine	<0.000261		0.000261	0.0100
Phenanthrene	<0.000112		0.000112	0.00100
Benzylbutyl phthalate	<0.000765		0.000765	0.00300
Bis(2-ethylhexyl)phthalate	<0.000895		0.000895	0.00300
Di-n-butyl phthalate	<0.000453		0.000453	0.00300
Diethyl phthalate	<0.000287		0.000287	0.00300
Dimethyl phthalate	<0.000260		0.000260	0.00300

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4117839-2 09/06/24 20:44

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Di-n-octyl phthalate	<0.000932		0.000932	0.00300
Pyrene	<0.000107		0.000107	0.00100
1,2,4-Trichlorobenzene	<0.0000698		0.0000698	0.0100
4-Chloro-3-methylphenol	<0.000131		0.000131	0.0100
2-Chlorophenol	<0.000133		0.000133	0.0100
2,4-Dichlorophenol	<0.000102		0.000102	0.0100
2,4-Dimethylphenol	<0.0000636		0.0000636	0.0100
4,6-Dinitro-2-methylphenol	<0.00112		0.00112	0.0100
2,4-Dinitrophenol	<0.00593		0.00593	0.0100
2-Nitrophenol	<0.000117		0.000117	0.0100
4-Nitrophenol	<0.000143		0.000143	0.0100
Pentachlorophenol	<0.000313		0.000313	0.0100
Phenol	<0.00433		0.00433	0.0100
2,4,6-Trichlorophenol	<0.000100		0.000100	0.0100
(S) Nitrobenzene-d5	57.7			15.0-314
(S) 2-Fluorobiphenyl	55.8			22.0-127
(S) p-Terphenyl-d14	81.0			29.0-141
(S) Phenol-d5	17.8			8.00-424
(S) 2-Fluorophenol	21.5			10.0-120
(S) 2,4,6-Tribromophenol	47.3			10.0-153

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4117839-1 09/06/24 20:22

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.0500	0.0353	70.6	47.0-145	
Acenaphthylene	0.0500	0.0365	73.0	33.0-145	
Anthracene	0.0500	0.0399	79.8	27.0-133	
Benzidine	0.100	0.000	0.000	1.00-120	J4
Benzo(a)anthracene	0.0500	0.0433	86.6	33.0-143	
Benzo(b)fluoranthene	0.0500	0.0425	85.0	24.0-159	
Benzo(k)fluoranthene	0.0500	0.0432	86.4	11.0-162	
Benzo(g,h,i)perylene	0.0500	0.0404	80.8	1.00-219	
Benzo(a)pyrene	0.0500	0.0370	74.0	17.0-163	
Bis(2-chlorethoxy)methane	0.0500	0.0330	66.0	1.00-219	
Bis(2-chloroethyl)ether	0.0500	0.0307	61.4	33.0-185	
2,2-Oxybis(1-Chloropropane)	0.0500	0.0264	52.8	36.0-166	
4-Bromophenyl-phenylether	0.0500	0.0465	93.0	53.0-127	

Laboratory Control Sample (LCS)

(LCS) R4117839-1 09/06/24 20:22

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Chloronaphthalene	0.0500	0.0329	65.8	60.0-120	
4-Chlorophenyl-phenylether	0.0500	0.0424	84.8	25.0-158	
Chrysene	0.0500	0.0442	88.4	17.0-168	
Dibenz(a,h)anthracene	0.0500	0.0430	86.0	1.00-227	
3,3-Dichlorobenzidine	0.100	0.0589	58.9	1.00-262	
2,4-Dinitrotoluene	0.0500	0.0466	93.2	39.0-139	
2,6-Dinitrotoluene	0.0500	0.0432	86.4	50.0-158	
1,2-Diphenylhydrazine	0.0500	0.0423	84.6	37.0-125	N2
Fluoranthene	0.0500	0.0487	97.4	26.0-137	
Fluorene	0.0500	0.0392	78.4	59.0-121	
Hexachlorobenzene	0.0500	0.0443	88.6	1.00-152	
Hexachloro-1,3-butadiene	0.0500	0.0360	72.0	24.0-120	
Hexachlorocyclopentadiene	0.0500	0.0227	45.4	10.0-120	
Hexachloroethane	0.0500	0.0296	59.2	40.0-120	
Indeno(1,2,3-cd)pyrene	0.0500	0.0401	80.2	1.00-171	
Isophorone	0.0500	0.0339	67.8	21.0-196	
Naphthalene	0.0500	0.0274	54.8	21.0-133	
Nitrobenzene	0.0500	0.0322	64.4	35.0-180	
n-Nitrosodimethylamine	0.0500	0.0171	34.2	10.0-120	
n-Nitrosodiphenylamine	0.0500	0.0343	68.6	44.0-120	
n-Nitrosodi-n-propylamine	0.0500	0.0318	63.6	1.00-230	
Phenanthrene	0.0500	0.0424	84.8	54.0-120	
Benzylbutyl phthalate	0.0500	0.0446	89.2	1.00-152	
Bis(2-ethylhexyl)phthalate	0.0500	0.0457	91.4	8.00-158	
Di-n-butyl phthalate	0.0500	0.0459	91.8	1.00-120	
Diethyl phthalate	0.0500	0.0429	85.8	1.00-120	
Dimethyl phthalate	0.0500	0.0417	83.4	1.00-120	
Di-n-octyl phthalate	0.0500	0.0440	88.0	4.00-146	
Pyrene	0.0500	0.0430	86.0	52.0-120	
1,2,4-Trichlorobenzene	0.0500	0.0332	66.4	44.0-142	
4-Chloro-3-methylphenol	0.0500	0.0335	67.0	22.0-147	
2-Chlorophenol	0.0500	0.0263	52.6	23.0-134	
2,4-Dichlorophenol	0.0500	0.0355	71.0	39.0-135	
2,4-Dimethylphenol	0.0500	0.0297	59.4	32.0-120	
4,6-Dinitro-2-methylphenol	0.0500	0.0498	99.6	1.00-181	
2,4-Dinitrophenol	0.0500	0.0392	78.4	1.00-191	
2-Nitrophenol	0.0500	0.0328	65.6	29.0-182	
4-Nitrophenol	0.0500	0.00835	16.7	1.00-132	U
Pentachlorophenol	0.0500	0.0312	62.4	14.0-176	
Phenol	0.0500	0.0121	24.2	5.00-120	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4117839-1 09/06/24 20:22

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,4,6-Trichlorophenol	0.0500	0.0386	77.2	37.0-144	
(S) Nitrobenzene-d5			64.8	15.0-314	
(S) 2-Fluorobiphenyl			69.3	22.0-127	
(S) p-Terphenyl-d14			82.2	29.0-141	
(S) Phenol-d5			23.9	8.00-424	
(S) 2-Fluorophenol			33.6	10.0-120	
(S) 2,4,6-Tribromophenol			89.5	10.0-153	

L1772229-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772229-04 09/14/24 07:39 • (MS) R4121163-1 09/14/24 08:01 • (MSD) R4121163-2 09/14/24 08:22

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.0500	<0.000443	0.0194	0.0199	38.8	39.8	5	47.0-145	J6	J6	2.54	48
Acenaphthylene	0.0500	<0.000461	0.0195	0.0199	39.0	39.8	5	33.0-145			2.03	74
Anthracene	0.0500	<0.000402	0.0317	0.0305	63.4	61.0	5	27.0-133			3.86	66
Benzidine	0.100	<0.0187	<0.0187	<0.0187	0.000	0.000	5	1.00-120	J6	J6	0.000	40
Benzo(a)anthracene	0.0500	<0.000995	0.0305	0.0302	61.0	60.4	5	33.0-143			0.988	53
Benzo(b)fluoranthene	0.0500	<0.000650	0.0247	0.0234	49.4	46.8	5	24.0-159			5.41	71
Benzo(k)fluoranthene	0.0500	<0.000600	0.0251	0.0240	50.2	48.0	5	11.0-162			4.48	63
Benzo(g,h,i)perylene	0.0500	<0.000605	0.0222	0.0204	44.4	40.8	5	1.00-219			8.45	97
Benzo(a)pyrene	0.0500	<0.000191	0.0243	0.0232	48.6	46.4	5	17.0-163			4.63	72
Bis(2-chlorethoxy)methane	0.0500	<0.000580	0.0152	0.0203	30.4	40.6	5	33.0-184	J J6	J	28.7	54
Bis(2-chloroethyl)ether	0.0500	<0.000685	0.0103	0.0144	20.6	28.8	5	12.0-158	J	J	33.2	108
2,2-Oxybis(1-Chloropropane)	0.0500	<0.00105	0.00855	0.0119	17.1	23.8	5	36.0-166	J J6	J J6	32.8	76
4-Bromophenyl-phenylether	0.0500	<0.000439	0.0287	0.0274	57.4	54.8	5	53.0-127	J	J	4.63	43
2-Chloronaphthalene	0.0500	<0.000324	0.0135	0.0151	27.0	30.2	5	60.0-120	J6	J6	11.2	24
4-Chlorophenyl-phenylether	0.0500	<0.000463	0.0261	0.0251	52.2	50.2	5	25.0-158	J	J	3.91	61
Chrysene	0.0500	<0.000650	0.0320	0.0305	64.0	61.0	5	17.0-168			4.80	87
Dibenz(a,h)anthracene	0.0500	<0.000322	0.0208	0.0194	41.6	38.8	5	1.00-227			6.97	126
3,3-Dichlorobenzidine	0.100	<0.00106	<0.00106	<0.00106	0.000	0.000	5	1.00-262	J6	J6	0.000	108
2,4-Dinitrotoluene	0.0500	<0.000492	0.0399	0.0388	79.8	77.6	5	39.0-139	J	J	2.80	42
2,6-Dinitrotoluene	0.0500	<0.00125	0.0328	0.0328	65.6	65.6	5	50.0-158	J	J	0.000	48
1,2-Diphenylhydrazine	0.0500	<0.000525	0.0283	0.0280	56.6	56.0	5	18.0-156	J N2	J N2	1.07	34
Fluoranthene	0.0500	<0.000510	0.0341	0.0329	68.2	65.8	5	26.0-137			3.58	66
Fluorene	0.0500	<0.000422	0.0262	0.0255	52.4	51.0	5	59.0-121	J6	J6	2.71	38
Hexachlorobenzene	0.0500	<0.000378	0.0232	0.0221	46.4	44.2	5	1.00-152			4.86	55
Hexachloro-1,3-butadiene	0.0500	<0.000484	0.00674	0.00773	13.5	15.5	5	24.0-120	J J6	J J6	13.7	62
Hexachlorocyclopentadiene	0.0500	<0.000299	0.00315	0.00367	6.30	7.34	5	10.0-146	J J6	J J6	15.2	34

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1772229-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772229-04 09/14/24 07:39 • (MS) R4121163-1 09/14/24 08:01 • (MSD) R4121163-2 09/14/24 08:22

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Hexachloroethane	0.0500	<0.000635	0.00587	0.00702	11.7	14.0	5	40.0-120	J J6	J J6	17.8	52
Indeno(1,2,3-cd)pyrene	0.0500	<0.00140	0.0208	0.0197	41.6	39.4	5	1.00-171			5.43	99
Isophorone	0.0500	<0.000715	0.0118	0.0164	23.6	32.8	5	21.0-196	J	J	32.6	93
Naphthalene	0.0500	<0.000795	0.00840	0.0108	16.8	21.6	5	21.0-133	J6		25.0	65
Nitrobenzene	0.0500	<0.00149	0.0108	0.0146	21.6	29.2	5	35.0-180	J J6	J J6	29.9	62
n-Nitrosodimethylamine	0.0500	<0.00499	0.0104	0.0163	20.8	32.6	5	10.0-120	J	J J3	44.2	40
n-Nitrosodiphenylamine	0.0500	<0.0119	0.0336	0.0335	67.2	67.0	5	16.0-160	J	J	0.298	28
n-Nitrosodi-n-propylamine	0.0500	<0.00131	0.0617	0.0643	123	129	5	1.00-230			4.13	87
Phenanthrene	0.0500	<0.000560	0.0345	0.0329	69.0	65.8	5	54.0-120			4.75	39
Benzylbutyl phthalate	0.0500	<0.00383	0.0401	0.0387	80.2	77.4	5	1.00-152			3.55	60
Bis(2-ethylhexyl)phthalate	0.0500	<0.00448	0.0211	0.0204	42.2	40.8	5	8.00-158			3.37	82
Di-n-butyl phthalate	0.0500	<0.00227	0.0385	0.0372	77.0	74.4	5	1.00-120			3.43	47
Diethyl phthalate	0.0500	<0.00144	0.0380	0.0368	76.0	73.6	5	1.00-120			3.21	100
Dimethyl phthalate	0.0500	<0.00130	0.0335	0.0331	67.0	66.2	5	1.00-120			1.20	183
Di-n-octyl phthalate	0.0500	<0.00466	0.0215	0.0207	43.0	41.4	5	4.00-146			3.79	69
Pyrene	0.0500	<0.000535	0.0364	0.0351	72.8	70.2	5	52.0-120			3.64	49
1,2,4-Trichlorobenzene	0.0500	<0.000349	0.00738	0.00927	14.8	18.5	5	44.0-142	J J6	J J6	22.7	50
4-Chloro-3-methylphenol	0.0500	<0.000655	0.0452	0.0435	90.4	87.0	5	22.0-147	J	J	3.83	73
2-Chlorophenol	0.0500	<0.000665	0.0137	0.0197	27.4	39.4	5	23.0-134	J	J	35.9	61
2,4-Dichlorophenol	0.0500	<0.000510	0.0336	0.0343	67.2	68.6	5	39.0-135	J	J	2.06	50
2,4-Dimethylphenol	0.0500	<0.000318	0.0340	0.0371	68.0	74.2	5	32.0-120	J	J	8.72	58
4,6-Dinitro-2-methylphenol	0.0500	<0.00560	0.0646	0.0627	129	125	5	1.00-181			2.99	203
2,4-Dinitrophenol	0.0500	<0.0297	0.0655	0.0612	131	122	5	1.00-191			6.79	132
2-Nitrophenol	0.0500	<0.000585	0.0117	0.0162	23.4	32.4	5	29.0-182	J J6	J	32.3	55
4-Nitrophenol	0.0500	<0.000715	0.0193	0.0177	38.6	35.4	5	1.00-132	J	J	8.65	131
Pentachlorophenol	0.0500	<0.00157	0.0351	0.0345	70.2	69.0	5	14.0-176	J	J	1.72	86
Phenol	0.0500	<0.0217	<0.0217	<0.0217	0.000	0.000	5	5.00-120	J6	J6	0.000	64
2,4,6-Trichlorophenol	0.0500	<0.000500	0.0325	0.0327	65.0	65.4	5	37.0-144	J	J	0.613	58
(S) Nitrobenzene-d5					29.4	38.0		15.0-314				
(S) 2-Fluorobiphenyl					26.1	29.6		22.0-127				
(S) p-Terphenyl-d14					56.3	55.2		29.0-141				
(S) Phenol-d5					23.9	26.9		8.00-424				
(S) 2-Fluorophenol					19.9	28.2		10.0-120				
(S) 2,4,6-Tribromophenol					58.5	59.5		10.0-153				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

OS: Dilution due to matrix.

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J-	The associated batch QC was outside the lower control limits; associated data has a potential negative bias.
N2	Analyte reported using a calibration and validation based on Azobenzene (CAS 103-33-3). 1,2-Diphenylhydrazine decomposes into Azobenzene during the analysis.
P	RPD between the primary and confirmatory analysis exceeded 40%.
T8	Sample(s) received past/too close to holding time expiration.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

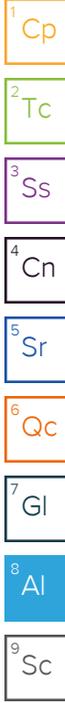
Pace Analytical Services, LLC -Dallas 400 W. Bethany Drive Suite 190 Allen, TX 75013

Arkansas	88-0647	Kansas	E10388
Florida	E871118	Texas	T104704232-23-39
Iowa	408	Oklahoma	8727
Louisiana	30686		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Company Name/Address: Eagle Pass Hydro WW Plant 1622 Maverick Industrial Park Rd. Eagle Pass, TX 78852		Billing Information: Eagle Pass Hydro WW Plant 1622 Maverick Industrial Park Rd. Eagle Pass, TX 78852		Pres Chk	Analysis / Container / Preservative						Chain of Custody Page ___ of ___
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Report to: Joe Martinez	Email To: maverickcid1@gmail.com	Project Description: Waste Water		City/State Collected: Eagle Pass TX	Please Circle: PT MT CT ET						 ALLEN, TX 400 W. Bethany Drive Suite 190 Allen, TX 75013 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf
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Phone: 830-773-2011	Client Project # PERMIT RENEWAL WK2-4	Lab Project #	Collected by (print): Ron DeLeon Joe Martinez		Site/Facility ID # S Pot/Croaker	P.O. #	Collected by (signature): [Signature]		Rush? (Lab MUST Be Notified) <input type="checkbox"/> Same Day <input type="checkbox"/> Five Day <input type="checkbox"/> Next Day <input type="checkbox"/> 5 Day (Rad Only) <input type="checkbox"/> Two Day <input type="checkbox"/> 10 Day (Rad Only) <input type="checkbox"/> Three Day	Quote #	Date Results Needed	No. of Cntrs	BOD, cBOD, TDS 1L-HDPE NoPres CN, CN-AM 250mlHDPE-NAOH COD, NH3, TKN 250mlHDPE-H2SO4 Metals 250mlHDPE HNO3	SDG # L1772211 Table # Acctnum: EAGPASEPTX Template: T255727 Prelogin: P1086497 PM: 3587 - Lori A Vahrenkamp PB: Shipped Via: FedEX Ground
Immediately Packed on Ice N ___ Y <input checked="" type="checkbox"/>	Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Remarks		Sample # (lab only)					

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BOD, cBOD, TDS 1L-HDPE NoPres	CN, CN-AM 250mlHDPE-NAOH	COD, NH3, TKN 250mlHDPE-H2SO4	Metals 250mlHDPE HNO3	Other								
WW PERMIT		WW				19	X	X	X	X									
Waste Water	-	WW	-	8-20-24	8:15A														
Waste Water	-	WW	-	8-20-24	9:45A														

* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other	Remarks:	pH _____ Temp _____ Flow _____ Other _____	Sample Receipt Checklist COC Seal Present/Intact: <input type="checkbox"/> NP <input type="checkbox"/> Y <input type="checkbox"/> N COC Signed/Accurate: <input type="checkbox"/> Y <input type="checkbox"/> N Bottles arrive intact: <input type="checkbox"/> Y <input type="checkbox"/> N Correct bottles used: <input type="checkbox"/> Y <input type="checkbox"/> N Sufficient volume sent: <input type="checkbox"/> Y <input type="checkbox"/> N If Applicable VOA Zero Headspace: <input type="checkbox"/> Y <input type="checkbox"/> N Preservation Correct/Checked: <input type="checkbox"/> Y <input type="checkbox"/> N RAD Screen <0.5 mR/hr: <input type="checkbox"/> Y <input type="checkbox"/> N
Samples returned via: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier	Tracking # 7387 0566 1815		

Relinquished by: (Signature) [Signature]	Date: 8-20-24	Time: 8:15A	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeOH TBR
Relinquished by: (Signature) [Signature]	Date: 8-20-24	Time: 9:45A	Received by: (Signature)	Temp: _____ °C Bottles Received: _____
Relinquished by: (Signature) [Signature]	Date: 8/22/24	Time: 0925	Received for lab by: (Signature) [Signature]	Date: 8/22/24 Time: 0925

01

Time estimate: oh

Time spent: oh

Members

OC Olivia Currie (responsible)



Lori Vahrenkamp

1. If Chain-of-custody (COC) is not received: contact client and if necessary, fill out a COC and indicate that it was filled out by lab personnel. Note issues on this NCF.
2. If COC is incomplete, check applicable issues below and add details where appropriate:
- *Collection date/time missing or incorrect
 - *Analyses or analytes: missing or Clarification needed
 - *Samples listed on COC do not match samples received (missing, additional,etc.)
 - *Sample IDs on COC do not match sample Labels
 - *Required trip blanks were not received
 - *Required signatures are missing
3. Sample integrity issues: check applicable issues below and add details where appropriate:
- *Samples: Past holding time
 - *Samples: Not Field Filtered
 - *samples: Insufficient volume received
 - *Samples: Cooler damaged or compromised
 - *Samples: contain Chlorine or Sulfide
 - *Samples: condition needs to be brought to lab personnel's attention (details below)
 - *Containers: Broken or compromised
 - *Containers: Incorrect
 - *Custody Seals: missing or compromised on samples, trip blanks or coolers
 - *Packing Material: Insufficient/Improper
 - *Preservation: improper
 - *Temperature: not within acceptance criteria (typically 0-6C)
 - *Temperature: Samples arrived frozen
 - *Vials received with improper headspace
 - *Other:
4. If Samples not preserved properly and Sample Receiving adjusts pH, add details below:
- Sample ID: _____
- Preserved by: _____
- Date/Time: _____
- Initial and Final pH: _____
- Amount/type pres added: _____
- Lot # of Pres added: _____
5. Client contact: If Client is Contacted for any issue listed above, fill in details below:
- Client: _____
- PM Initials: _____
- Contacted per: _____
- Date/Time: _____

Comments

Olivia Currie

22 August 2024 10:25 AM

- BOD/CBOD, NO₂/NO₃: received OOH
- 1 of 2 OGHEX received broken
- 3 of 3 V624.1 vials with headspace
- received OOT at 19.1 Deg C; insufficient/low ice, melted in shipment
- received an incomplete COC, not all analyses are listed. Will log per P#
- all samples/ containers have different collection times; times do not match the COC. Please let me know if I should log as separate dash numbers for all samples, or log per COC

Olivia Currie

23 August 2024 8:12 AM

any word?

Lori Vahrenkamp

28 August 2024 11:44 AM

proceed with requested analyses.

Olivia Currie

28 August 2024 1:25 PM

Without further clarification/instruction concerning the final item on my NCF list, I will log each container as separate dash numbers per the collection times on the containers.

Lori Vahrenkamp

28 August 2024 1:40 PM

please log a one dash # using the latest time listed on the COC.

ORIGIN ID: VCTA* (361) 446-0565

SHIP DATE: 26JUL24
ACTWGT: 50.00 LB MAN
CARD: 0917226/CAFES808

PACE
1606 E. BRAZOS ST.
SUITE D
VICTORIA, TX 77901
UNITED STATES US

TO **SAMPLE RECEIVING**
PACE

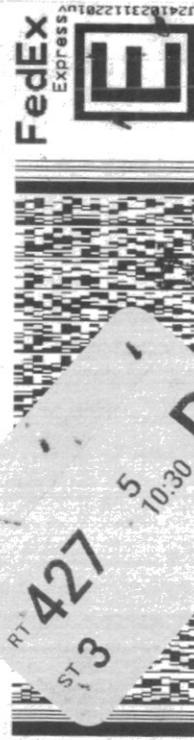
400 W. BETHANY DR.
SUITE #190
ALLEN TX 75013

RTIA: (972) 727-
INV: PO: REF: DEPT:

585CC/2614/C6C4

RTIA:

DEPT:



FedEx Express
J2418231122810



FedEx

FRI - 23 AUG AA
PRIORITY OVERNIGHT

TRK# 7387 0566 1815

40 DNEA

75013
TX-US
DFW



5C:66/AL2D/C888



DC# Title: ENV-FRM-ALLE-0017 v15_Sample Condition Upon Receipt

Effective Date: 12/18/2023

Sample Condition Upon Receipt

Client Name: Eagle Pass Hydro Project Work order (place label):
Courier: FedEx Client LSO PACE Other:
Tracking #: 7387 0546 1815

Custody Seal on Cooler/Box: Yes No
Received on ice: Wet Blue No ice
Receiving Lab 1 Thermometer Used: 189 Cooler Temp °C: 19.0 (Recorded) to -1 (Correction Factor) 19.1 (Actual)
Receiving Lab 2 Thermometer Used: Cooler Temp °C: (Recorded) (Correction Factor) (Actual)

Table with 2 columns: Description (Chain of Custody, Sampler name, Short HT analyses) and Yes/No checkboxes.

Temperature should be above freezing to 6°C unless collected same day as receipt in which evidence of cooling is acceptable.

Triage Person: AG Date: 8/22/23

Table with 2 columns: Description (Sufficient Volume, Container Intact, Sample pH, Residual Chlorine, Sulfide Present, etc.) and Yes/No checkboxes.

Login Person: AC Date: 8/22

Labeling Person (if different than log-in): Date:

Company Name/Address Eagle Pass Hydro WW Plant 1622 Maverick Industrial Park Rd. Eagle Pass, TX 78852				Billing Information: Eagle Pass Hydro WW Plant 1622 Maverick Industrial Park Rd. Eagle Pass, TX 78852				Analysis / Container / Preservative				Chain of Custody Page ___ of ___	
Report to: Joe Martinez				Email To: maverickcid1@gmail.com				Pres Chk				 ALLEN, TX 400 W. Bethany Drive Suite 190 Allen, TX 75013 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf	
Project Description: <i>Waste Water</i>				City/State Collected: <i>Eagle Pass TX</i>		Please Circle: PT MT CT ET		BOD, cBOD, TDS 1L-HDPE NoPres CN, CN-AM 250mlHDPE-NaOH COD, NH3, TKN 250mlHDPE-H2SO4 Metals 250mlHDPE HNO3				SDG # <i>L1772211</i> Table # Acctnum: EAGPASEPTX Template: T255727 Prelogin: P1086497 PM: 3587 - Lori A Vahrenkamp PB: Shipped Via: FedEX Ground	
Phone: 830-773-2011		Client Project # PERMIT RENEWAL WK2-4		Lab Project #		P.O. #						No. of Cntrs	
Collected by (print): <i>Rawle Gordon Joe Martinez</i>		Site/Facility ID # <i>S.P.H./w/aler</i>		Quote #		Date Results Needed							
Collected by (signature): <i>Rawle Gordon Joe MTZ</i>		Rush? (Lab MUST Be Notified) <input type="checkbox"/> Same Day <input type="checkbox"/> Five Day <input type="checkbox"/> Next Day <input type="checkbox"/> 5 Day (Rad Only) <input type="checkbox"/> Two Day <input type="checkbox"/> 10 Day (Rad Only) <input type="checkbox"/> Three Day		Date Results Needed									
Immediately Packed on Ice N ___ Y <input checked="" type="checkbox"/>													
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time							Remarks	Sample # (lab only)
WW PERMIT		WW				19	X	X	X	X			
<i>Waste Water</i>	-	<i>WW</i>	-	<i>8-20-24</i>	<i>8:15A</i>								<i>01</i>
<i>Waster Water</i>	-	<i>WW</i>	-	<i>8-20-24</i>	<i>9:45A</i>								
REL: <i>Aliyankhalls Aliyandrahalls</i> 8/28/24 1700 REC: <i>FedEX</i> 8/28/24 1700 REL: <i>FedEX</i> REC:													
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other _____		Remarks:				pH _____ Temp _____ Flow _____ Other _____				Sample Receipt Checklist COC Seal Present/Intact: ___ Y ___ N COC Signed/Accurate: ___ Y ___ N Bottles arrive intact: ___ Y ___ N Correct bottles used: ___ Y ___ N Sufficient volume sent: ___ Y ___ N If Applicable VOA Zero Headspace: ___ Y ___ N Preservation Correct/Checked: ___ Y ___ N RAD Screen <0.5 mR/hr: ___ Y ___ N			
Samples returned via: ___ UPS ___ FedEx ___ Courier _____		Tracking # 73 87 0506 1815				Trip Blank Received: Yes / No HCL / MeOH TBR				If preservation required by Login: Date/Time			
Relinquished by: (Signature) <i>Rawle Gordon</i>		Date: <i>8-20-24</i>		Time: <i>8:15A</i>		Received by: (Signature) <i>Christopher G. Gallin</i>		Temp: °C <i>4.3=7</i>		Bottles Received:		Date/Time	
Relinquished by: (Signature) <i>Joe MTZ</i>		Date: <i>8-20-24</i>		Time: <i>9:45A</i>		Received by: (Signature) <i>Aliyankhalls Aliyandrahalls</i>		Date: <i>8/22/24</i>		Time: <i>0925</i>		Condition: NCF / OK	
Relinquished by: (Signature) <i>FedEX</i>		Date: <i>8/22/24</i>		Time: <i>0925</i>		Received by: (Signature) <i>Aliyankhalls Aliyandrahalls</i>		Date: <i>8/22/24</i>		Time: <i>0925</i>		Condition: NCF / OK	
<i>8/29/24 0900</i>													

Time estimate: oh

Time spent: oh

Members

oc Olivia Currie (responsible)  Lori Vahrenkamp

1. If Chain-of-custody (COC) is not received: contact client and if necessary, fill out a COC and indicate that it was filled out by lab personnel. Note issues on this NCF.

2. If COC is incomplete, check applicable issues below and add details where appropriate:

*Collection date/time missing or incorrect

*Analyses or analytes: missing or Clarification needed

*Samples listed on COC do not match samples received (missing, additional,etc.)

*Sample IDs on COC do not match sample Labels

*Required trip blanks were not received

*Required signatures are missing

3. Sample integrity issues: check applicable issues below and add details where appropriate:

*Samples: Past holding time

*Samples: Not Field Filtered

*samples: Insufficient volume received

*Samples: Cooler damaged or compromised

*Samples: contain Chlorine or Sulfide

*Samples: condition needs to be brought to lab personnel's attention (details below)

*Containers: Broken or compromised

*Containers: Incorrect

*Custody Seals: missing or compromised on samples, trip blanks or coolers

*Packing Material: Insufficient/Improper

*Preservation: improper

*Temperature: not within acceptance criteria (typically 0-6C)

*Temperature: Samples arrived frozen

*Vials received with improper headspace

*Other:

4. If Samples not preserved properly and Sample Receiving adjusts pH, add details below:

Sample ID: _____

Preserved by: _____

Date/Time: _____

Initial and Final pH: _____

Amount/type pres added: _____

Lot # of Pres added: _____

5. Client contact: If Client is Contacted for any issue listed above, fill in details below:

Client:

PM Initials:

Contacted per:

Date/Time:

Comments

Olivia Currie

22 August 2024 10:25 AM

- BOD/CBOD, NO₂/NO₃: received OOH
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Lori Vahrenkamp

28 August 2024 1:40 PM

please log a one dash # using the latest time listed on the COC.

ORIGIN ID VCTA (361) 446-0666
PACE
1699 E BRAZOS ST
SUITE D
VICTORIA, TX 77901
UNITED STATES US

SHIP DATE 26JUL24
ACTWGT 50.00 LB MIN
CRD# 09176267/CAFE3809

TO **SAMPLE RECEIVING**
PACE

400 W. BETHANY DR.
SUITE #190
ALLEN TX 75013

(972) 727-1111 REF

RTA: INVT PG DEPT



FedEx

TRK# 7387 0566 1815
0221

FRI - 23 AUG AA
PRIORITY OVERNIGHT

40 DNEA

75013
TX-US
DFW



5C:web/ALZC/0808



DC# Title: ENV-FRM-ALLE-0017 v15_Sample Condition Upon Receipt

Effective Date: 12/18/2023

Sample Condition Upon Receipt

Client Name: Eagle Pass Hydro
Courier: FedEX
Tracking #: 7387 0546 1815
Project Work order (place label):

Received on ice: Wet Blue No ice
Receiving Lab 1 Thermometer Used: R19 Cooler Temp °C: 19.0 (Recorded) +0-1 (Correction Factor) 19.1 (Actual)
Receiving Lab 2 Thermometer Used: Cooler Temp °C: (Recorded) (Correction Factor) (Actual)

Table with 2 columns: Description and Yes/No checkboxes. Rows include Chain of Custody, Sampler name, and Short HT analyses.

Temperature should be above freezing to 6°C unless collected same day as receipt in which evidence of cooling is acceptable.

Form with multiple rows for testing results. Includes fields for Triage Person, Sufficient Volume, Container Intact, pH Strips, Residual Chlorine, Sulfide, Lead Acetate, and Non-Conformance(s).

Login Person: [Signature] Date: 8/22

Labeling Person (if different than log-in): Date:



September 10, 2024

Jeremy Watkins
Pace Analytical Dallas
400 West Bethany Drive
Suite 190
Allen, TX 75013

RE: Project: L1772211 PERMIT RENEWAL WK2-4
Pace Project No.: 40283389

Dear Jeremy Watkins:

Enclosed are the analytical results for sample(s) received by the laboratory on August 30, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angela Lane
angela.lane@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Client Services, Pace Analytical Allen



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: L1772211 PERMIT RENEWAL WK2-4

Pace Project No.: 40283389

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-21-8

Virginia VELAP Certification ID: 11873

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-21-00008

Federal Fish & Wildlife Permit #: 51774A

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: L1772211 PERMIT RENEWAL WK2-4
Pace Project No.: 40283389

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40283389001	WW PERMIT	Water	08/20/24 09:45	08/30/24 09:45
40283389002	WW PERMIT	Water	08/26/24 09:45	08/30/24 09:45

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: L1772211 PERMIT RENEWAL WK2-4
Pace Project No.: 40283389

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40283389001	WW PERMIT	EPA 1631E	MRP	1
40283389002	WW PERMIT	EPA 1631E	MRP	1

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: L1772211 PERMIT RENEWAL WK2-4

Pace Project No.: 40283389

Sample: WW PERMIT		Lab ID: 40283389001	Collected: 08/20/24 09:45	Received: 08/30/24 09:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1631E Mercury, Low Level		Analytical Method: EPA 1631E Preparation Method: EPA 1631E Pace Analytical Services - Green Bay						
Mercury	4470	ng/L	50.0	100	09/04/24 12:27	09/09/24 17:22	7439-97-6	C4

Sample: WW PERMIT		Lab ID: 40283389002	Collected: 08/26/24 09:45	Received: 08/30/24 09:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1631E Mercury, Low Level		Analytical Method: EPA 1631E Preparation Method: EPA 1631E Pace Analytical Services - Green Bay						
Mercury	2460	ng/L	50.5	100	09/04/24 12:27	09/09/24 17:27	7439-97-6	1q,C4

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: L1772211 PERMIT RENEWAL WK2-4

Pace Project No.: 40283389

QC Batch: 483546

Analysis Method: EPA 1631E

QC Batch Method: EPA 1631E

Analysis Description: 1631E Mercury

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40283389001, 40283389002

METHOD BLANK: 2768152

Matrix: Water

Associated Lab Samples: 40283389001, 40283389002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ng/L	ND	0.50	09/09/24 14:21	

METHOD BLANK: 2768153

Matrix: Water

Associated Lab Samples: 40283389001, 40283389002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ng/L	ND	0.50	09/09/24 15:30	

METHOD BLANK: 2768154

Matrix: Water

Associated Lab Samples: 40283389001, 40283389002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ng/L	ND	0.50	09/09/24 17:17	

METHOD BLANK: 2768155

Matrix: Water

Associated Lab Samples: 40283389001, 40283389002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ng/L	ND	0.53	09/09/24 14:26	

METHOD BLANK: 2768494

Matrix: Water

Associated Lab Samples: 40283389001, 40283389002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ng/L	ND	0.56	09/09/24 14:31	

LABORATORY CONTROL SAMPLE: 2768156

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ng/L	5	5.12	102	79-121	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: L1772211 PERMIT RENEWAL WK2-4

Pace Project No.: 40283389

LABORATORY CONTROL SAMPLE: 2768157

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ng/L	5	5.22	104	79-121	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2770381 2770382

Parameter	Units	35901292006 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.								
Mercury	ng/L	0.00101 ug/L	2	2	3.09	2.82	104	90	75-125	9	24	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2770383 2770384

Parameter	Units	92750209001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.								
Mercury	ng/L	21.2	40	40	63.1	62.4	105	103	75-125	1	24	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: L1772211 PERMIT RENEWAL WK2-4

Pace Project No.: 40283389

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1q Sample Received With Headsce

C4 Sample container did not meet EPA or method requirements.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: L1772211 PERMIT RENEWAL WK2-4
Pace Project No.: 40283389

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40283389001	WW PERMIT	EPA 1631E	483546	EPA 1631E	483900
40283389002	WW PERMIT	EPA 1631E	483546	EPA 1631E	483900

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: Pace TX

Courier: CS Logistics Fed Ex Speedee UPS Walco
 Client Pace Other: _____

Tracking #: 4104 4612 6957

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR-123 Type of Ice: Wet Blue Dry None Meltwater Only

Cooler Temperature Uncorr. 0.0 /Corr. 0.0

Temp Blank Present: yes no Biological Tissue is Frozen: yes no

Temp should be above freezing to 6°C.
 Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Project #: **WO# : 40283389**

 40283389

Person examining contents:
 Date: 8/30/24 / Initials: KKS
 Labeled By Initials: GA

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>No one signed in the "Sampler Name & Signature" box on COC. KKS 8/30/24</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4. <u>IRWO</u>
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- DI VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Correct Type: <u>Pace Green Bay</u> Pace IR, Non-Pace		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>Times on COC + sample # labels don't match. KKS 8/30/24</u> <u>On COC: 9:45(001); 8:27 on label (001). COC: 9:45(002); on label: 9:04(002). KKS 8/30/24</u>
-Includes date/time/D/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: _____ If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

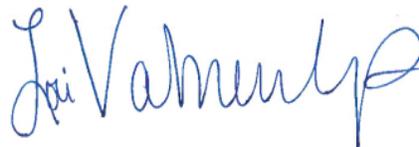
PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logir

Eagle Pass Hydro WW Plant

Sample Delivery Group: L1772221
Samples Received: 08/27/2024
Project Number: PERMIT RENEWAL WK2-4
Description:

Report To: Joe Martinez
1622 Maverick Industrial Park Rd.
Eagle Pass, TX 78852

Entire Report Reviewed By:



Lori A Vahrenkamp
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

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SAMPLE SUMMARY

WW PERMIT L1772221-01 WW

Collected by
Collected date/time
Received date/time

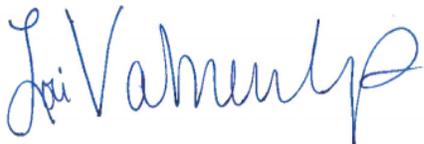
08/26/24 09:45 08/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2353543	1	08/30/24 15:53	08/30/24 15:53	KCM	Allen, TX
Gravimetric Analysis by Method 2540C	WG2352885	1	08/29/24 11:52	08/29/24 13:13	QQT	Allen, TX
Gravimetric Analysis by Method 2540D	WG2353703	1	08/30/24 13:04	08/30/24 14:02	QQT	Allen, TX
Wet Chemistry by Method 1664A	WG2353534	1	09/05/24 09:10	09/05/24 11:40	TK	Allen, TX
Wet Chemistry by Method 2320B	WG2355069	1	09/03/24 09:10	09/03/24 09:10	SEN	Allen, TX
Wet Chemistry by Method 300.0	WG2352080	1	08/28/24 18:36	08/28/24 18:36	SMC	Allen, TX
Wet Chemistry by Method 300.0	WG2352080	1	08/29/24 09:04	08/29/24 09:04	SMC	Allen, TX
Wet Chemistry by Method 300.0	WG2355469	1	09/04/24 14:23	09/04/24 14:23	EIG	Allen, TX
Wet Chemistry by Method 3500Cr-B	WG2353494	1	08/30/24 15:53	08/30/24 15:53	KCM	Allen, TX
Wet Chemistry by Method 351.2	WG2355106	1	09/03/24 12:14	09/04/24 14:47	EIG	Allen, TX
Wet Chemistry by Method 4500CN-E	WG2352739	1	08/29/24 10:00	08/29/24 16:00	KCM	Allen, TX
Wet Chemistry by Method 4500CN-G	WG2352739	1	08/29/24 16:00	08/29/24 16:00	KCM	Allen, TX
Wet Chemistry by Method 4500P-E	WG2352948	1	08/30/24 17:01	08/30/24 17:01	SMC	Allen, TX
Wet Chemistry by Method 5210 B-2016	WG2351992	1	08/28/24 16:40	09/02/24 12:43	JBS	Allen, TX
Wet Chemistry by Method 5210 B-2016	WG2351994	1	08/28/24 17:11	09/02/24 13:15	JBS	Allen, TX
Wet Chemistry by Method 5220D	WG2355070	1	09/03/24 10:32	09/03/24 13:54	JBS	Allen, TX
Wet Chemistry by Method 5310C	WG2353510	1	08/30/24 18:26	08/30/24 18:26	EIG	Allen, TX
Wet Chemistry by Method SM4500NH3H	WG2352982	1	08/29/24 16:58	08/29/24 16:58	EIG	Allen, TX
Metals (ICP) by Method 200.7	WG2353543	1	08/30/24 10:09	08/30/24 15:14	TDM	Allen, TX
Metals (ICP) by Method 200.7	WG2353543	1	08/30/24 10:09	09/03/24 11:00	TDM	Allen, TX
Volatile Organic Compounds (GC/MS) by Method 624.1	WG2353074	1	08/30/24 00:42	08/30/24 00:42	JHH	Allen, TX
Polychlorinated Biphenyls (GC) by Method EPA-608.3	WG2353113	1	08/31/24 06:56	08/31/24 13:22	RDH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 625.1	WG2354118	1	09/01/24 16:03	09/03/24 12:45	DSH	Mt. Juliet, TN
Subcontracted Analyses	WG2352280	1	09/10/24 00:00	09/10/24 00:00	JWW	Green Bay, WI 54302



CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Lori A Vahrenkamp
Project Manager

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Report Revision History

Level II Report - Version 1: 09/12/24 16:33

Project Narrative

TTHM: <0.010 mg/L
TON: <0.250 mg/L

Revised report issued 9/26/24.

L1772221 -01 contains subout data that is included after the chain of custody.

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Collected date/time: 08/26/24 09:45

SAMPLE RESULTS - 01

L1772221

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Chromium, Trivalent	<0.000710		0.000710	0.00300	1	08/30/2024 15:53	WG2353543

Gravimetric Analysis by Method 2540C

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
Total Dissolved Solids	475		25.0	1	08/29/2024 13:13	WG2352885

Gravimetric Analysis by Method 2540D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
Suspended Solids	2.90		2.50	1	08/30/2024 14:02	WG2353703

Wet Chemistry by Method 1664A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Oil & Grease (Hexane Extr)	<0.427		0.427	6.10	1	09/05/2024 11:40	WG2353534

Wet Chemistry by Method 2320B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Alkalinity	118		20.0	20.0	1	09/03/2024 09:10	WG2355069
Alkalinity, Bicarbonate	118		20.0	20.0	1	09/03/2024 09:10	WG2355069
Alkalinity, Carbonate	<20.0		20.0	20.0	1	09/03/2024 09:10	WG2355069
Alkalinity, Hydroxide	<20.0		20.0	20.0	1	09/03/2024 09:10	WG2355069
Phenolphthalein Alkalinity	<20.0		20.0	20.0	1	09/03/2024 09:10	WG2355069

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Chloride	89.4		0.325	0.800	1	08/29/2024 09:04	WG2352080
Fluoride	0.669		0.0947	0.500	1	09/04/2024 14:23	WG2355469
Nitrate	<0.379	T8	0.379	0.500	1	08/28/2024 18:36	WG2352080
Nitrite	<0.0718	T8	0.0718	0.500	1	08/28/2024 18:36	WG2352080
Sulfate	158		0.211	0.700	1	08/29/2024 09:04	WG2352080

Wet Chemistry by Method 3500Cr-B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Chromium, Hexavalent	<0.00200		0.00200	0.00300	1	08/30/2024 15:53	WG2353494

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Kjeldahl Nitrogen, TKN	<0.140		0.140	0.250	1	09/04/2024 14:47	WG2355106

Wet Chemistry by Method 4500CN-E

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Cyanide	<0.00430		0.00430	0.0100	1	08/29/2024 16:00	WG2352739



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SAMPLE RESULTS - 01

L1772221

Wet Chemistry by Method 4500CN-G

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide,amenable	<0.00430		0.00430	0.0100	1	08/29/2024 16:00	WG2352739

Wet Chemistry by Method 4500P-E

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Phosphorus,Total	<0.0152		0.0152	0.0500	1	08/30/2024 17:01	WG2352948

Wet Chemistry by Method 5210 B-2016

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
BOD	<1.00	J- T8	1.00	1	09/02/2024 12:43	WG2351992
CBOD	<1.00	T8	1.00	1	09/02/2024 13:15	WG2351994

Wet Chemistry by Method 5220D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
COD	<16.1		16.1	35.0	1	09/03/2024 13:54	WG2355070

Wet Chemistry by Method 5310C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TOC (Total Organic Carbon)	1.91		0.270	0.700	1	08/30/2024 18:26	WG2353510

Wet Chemistry by Method SM4500NH3H

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Ammonia Nitrogen	0.194		0.0280	0.100	1	08/29/2024 16:58	WG2352982

Metals (ICP) by Method 200.7

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Aluminum	0.0680	J	0.0353	0.500	1	08/30/2024 15:14	WG2353543
Antimony	<0.00242		0.00242	0.0250	1	08/30/2024 15:14	WG2353543
Arsenic	<0.00418		0.00418	0.0100	1	08/30/2024 15:14	WG2353543
Barium	0.108		0.000490	0.0100	1	08/30/2024 15:14	WG2353543
Beryllium	<0.000180		0.000180	0.00100	1	08/30/2024 15:14	WG2353543
Cadmium	0.0151		0.000350	0.00500	1	08/30/2024 15:14	WG2353543
Chromium	<0.000710		0.000710	0.00700	1	08/30/2024 15:14	WG2353543
Copper	0.0149	J	0.00364	0.0200	1	08/30/2024 15:14	WG2353543
Lead	0.00398	J	0.00312	0.0100	1	08/30/2024 15:14	WG2353543
Nickel	<0.00358		0.00358	0.0100	1	08/30/2024 15:14	WG2353543
Selenium	<0.00500		0.00500	0.0200	1	08/30/2024 15:14	WG2353543
Silver	<0.000990		0.000990	0.00500	1	09/03/2024 11:00	WG2353543
Thallium	<0.00775		0.00775	0.0200	1	08/30/2024 15:14	WG2353543
Zinc	0.265		0.0106	0.0250	1	08/30/2024 15:14	WG2353543

Volatile Organic Compounds (GC/MS) by Method 624.1

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
1,1,1-Trichloroethane	<0.00335		0.00335	0.00500	1	08/30/2024 00:42	WG2353074
1,1,2,2-Tetrachloroethane	<0.000596		0.000596	0.00500	1	08/30/2024 00:42	WG2353074
1,1,2-Trichloroethane	<0.00145		0.00145	0.00500	1	08/30/2024 00:42	WG2353074
1,1-Dichloroethane	<0.00292		0.00292	0.00500	1	08/30/2024 00:42	WG2353074



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Volatile Organic Compounds (GC/MS) by Method 624.1

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1-Dichloroethene	<0.00367		0.00367	0.00500	1	08/30/2024 00:42	WG2353074
1,2-Dibromoethane	<0.000403		0.000403	0.00200	1	08/30/2024 00:42	WG2353074
1,2-Dichlorobenzene	<0.00172		0.00172	0.00200	1	08/30/2024 00:42	WG2353074
1,2-Dichloroethane	<0.00195		0.00195	0.00500	1	08/30/2024 00:42	WG2353074
1,2-Dichloropropane	<0.000804		0.000804	0.00200	1	08/30/2024 00:42	WG2353074
1,3-Dichlorobenzene	<0.00419		0.00419	0.00500	1	08/30/2024 00:42	WG2353074
1,4-Dichlorobenzene	<0.00173		0.00173	0.00200	1	08/30/2024 00:42	WG2353074
2-Chloroethyl vinyl ether	<0.00652		0.00652	0.0100	1	08/30/2024 00:42	WG2353074
Acrolein	<0.00544		0.00544	0.0100	1	08/30/2024 00:42	WG2353074
Acrylonitrile	<0.00709		0.00709	0.0100	1	08/30/2024 00:42	WG2353074
Benzene	<0.00207		0.00207	0.00500	1	08/30/2024 00:42	WG2353074
Bromodichloromethane	<0.00179		0.00179	0.00200	1	08/30/2024 00:42	WG2353074
Bromoform	<0.000960		0.000960	0.0100	1	08/30/2024 00:42	WG2353074
Bromomethane	<0.00347		0.00347	0.00500	1	08/30/2024 00:42	WG2353074
Carbon tetrachloride	<0.00159		0.00159	0.00200	1	08/30/2024 00:42	WG2353074
Chlorobenzene	<0.00276		0.00276	0.0100	1	08/30/2024 00:42	WG2353074
Chloroethane	<0.00296		0.00296	0.00500	1	08/30/2024 00:42	WG2353074
Chloroform	<0.00212		0.00212	0.00500	1	08/30/2024 00:42	WG2353074
Chloromethane	<0.00361		0.00361	0.00500	1	08/30/2024 00:42	WG2353074
cis-1,2-Dichloroethene	<0.00113		0.00113	0.00500	1	08/30/2024 00:42	WG2353074
cis-1,3-Dichloropropene	<0.00492		0.00492	0.0100	1	08/30/2024 00:42	WG2353074
Dibromochloromethane	<0.00327		0.00327	0.00500	1	08/30/2024 00:42	WG2353074
Ethylbenzene	<0.000401		0.000401	0.00200	1	08/30/2024 00:42	WG2353074
Methylene Chloride	<0.0117		0.0117	0.0200	1	08/30/2024 00:42	WG2353074
2-Butanone (MEK)	<0.0129		0.0129	0.0250	1	08/30/2024 00:42	WG2353074
Tetrachloroethene	<0.00486		0.00486	0.0100	1	08/30/2024 00:42	WG2353074
Toluene	<0.00219		0.00219	0.00500	1	08/30/2024 00:42	WG2353074
Total 1,3-Dichloropropene	<0.00372		0.00372	0.0100	1	08/30/2024 00:42	WG2353074
trans-1,2-Dichloroethene	<0.00501		0.00501	0.0100	1	08/30/2024 00:42	WG2353074
trans-1,3-Dichloropropene	<0.00460		0.00460	0.00500	1	08/30/2024 00:42	WG2353074
Trichloroethene	<0.00262		0.00262	0.00500	1	08/30/2024 00:42	WG2353074
Vinyl chloride	<0.00466		0.00466	0.00500	1	08/30/2024 00:42	WG2353074
(S) 1,2-Dichloroethane-d4	103			70.0-130		08/30/2024 00:42	WG2353074
(S) 4-Bromofluorobenzene	101			70.0-130		08/30/2024 00:42	WG2353074
(S) Toluene-d8	101			70.0-130		08/30/2024 00:42	WG2353074

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Polychlorinated Biphenyls (GC) by Method EPA-608.3

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
PCB 1016	<0.000270		0.000270	0.000500	1	08/31/2024 13:22	WG2353113
PCB 1221	<0.000270		0.000270	0.000500	1	08/31/2024 13:22	WG2353113
PCB 1232	<0.000270		0.000270	0.000500	1	08/31/2024 13:22	WG2353113
PCB 1242	<0.000270		0.000270	0.000500	1	08/31/2024 13:22	WG2353113
PCB 1248	<0.000173		0.000173	0.000500	1	08/31/2024 13:22	WG2353113
PCB 1254	<0.000173		0.000173	0.000500	1	08/31/2024 13:22	WG2353113
PCB 1260	<0.000173		0.000173	0.000500	1	08/31/2024 13:22	WG2353113
Total PCBs	<0.000173		0.000173	0.000500	1	08/31/2024 13:22	WG2353113
(S) Decachlorobiphenyl	42.0			10.0-144		08/31/2024 13:22	WG2353113
(S) Tetrachloro-m-xylene	72.7			10.0-135		08/31/2024 13:22	WG2353113

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SAMPLE RESULTS - 01

Collected date/time: 08/26/24 09:45

L1772221

Semi Volatile Organic Compounds (GC/MS) by Method 625.1

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	<0.000886		0.000886	0.00100	1	09/03/2024 12:45	WG2354118
Acenaphthylene	<0.000921		0.000921	0.00100	1	09/03/2024 12:45	WG2354118
Anthracene	<0.000804		0.000804	0.00100	1	09/03/2024 12:45	WG2354118
Benzidine	<0.00374		0.00374	0.0100	1	09/03/2024 12:45	WG2354118
Benzo(a)anthracene	<0.000199		0.000199	0.00100	1	09/03/2024 12:45	WG2354118
Benzo(b)fluoranthene	<0.000130		0.000130	0.00100	1	09/03/2024 12:45	WG2354118
Benzo(k)fluoranthene	<0.000120		0.000120	0.00100	1	09/03/2024 12:45	WG2354118
Benzo(g,h,i)perylene	<0.000121		0.000121	0.00100	1	09/03/2024 12:45	WG2354118
Benzo(a)pyrene	<0.000381		0.000381	0.00100	1	09/03/2024 12:45	WG2354118
Bis(2-chloroethoxy)methane	<0.000116		0.000116	0.0100	1	09/03/2024 12:45	WG2354118
Bis(2-chloroethyl)ether	<0.000137		0.000137	0.0100	1	09/03/2024 12:45	WG2354118
2,2-Oxybis(1-Chloropropane)	<0.000210		0.000210	0.0100	1	09/03/2024 12:45	WG2354118
4-Bromophenyl-phenylether	<0.000877		0.000877	0.0100	1	09/03/2024 12:45	WG2354118
2-Chloronaphthalene	<0.000648	J4 J6	0.000648	0.00100	1	09/03/2024 12:45	WG2354118
4-Chlorophenyl-phenylether	<0.000926		0.000926	0.0100	1	09/03/2024 12:45	WG2354118
Chrysene	<0.000130		0.000130	0.00100	1	09/03/2024 12:45	WG2354118
Dibenz(a,h)anthracene	<0.000644		0.000644	0.00100	1	09/03/2024 12:45	WG2354118
3,3-Dichlorobenzidine	<0.000212		0.000212	0.0100	1	09/03/2024 12:45	WG2354118
2,4-Dinitrotoluene	<0.000983		0.000983	0.0100	1	09/03/2024 12:45	WG2354118
2,6-Dinitrotoluene	<0.000250		0.000250	0.0100	1	09/03/2024 12:45	WG2354118
1,2-Diphenylhydrazine	<0.000105	N2	0.000105	0.0100	1	09/03/2024 12:45	WG2354118
Fluoranthene	<0.000102		0.000102	0.00100	1	09/03/2024 12:45	WG2354118
Fluorene	<0.000844	J4	0.000844	0.00100	1	09/03/2024 12:45	WG2354118
Hexachlorobenzene	<0.000755		0.000755	0.00100	1	09/03/2024 12:45	WG2354118
Hexachloro-1,3-butadiene	<0.000968		0.000968	0.0100	1	09/03/2024 12:45	WG2354118
Hexachlorocyclopentadiene	<0.000598		0.000598	0.0100	1	09/03/2024 12:45	WG2354118
Hexachloroethane	<0.000127		0.000127	0.0100	1	09/03/2024 12:45	WG2354118
Indeno(1,2,3-cd)pyrene	<0.000279		0.000279	0.00100	1	09/03/2024 12:45	WG2354118
Isophorone	<0.000143		0.000143	0.0100	1	09/03/2024 12:45	WG2354118
Naphthalene	<0.000159		0.000159	0.00100	1	09/03/2024 12:45	WG2354118
Nitrobenzene	<0.000297		0.000297	0.0100	1	09/03/2024 12:45	WG2354118
n-Nitrosodimethylamine	<0.000998		0.000998	0.0100	1	09/03/2024 12:45	WG2354118
n-Nitrosodiphenylamine	<0.00237		0.00237	0.0100	1	09/03/2024 12:45	WG2354118
n-Nitrosodi-n-propylamine	<0.000261		0.000261	0.0100	1	09/03/2024 12:45	WG2354118
Phenanthrene	<0.000112		0.000112	0.00100	1	09/03/2024 12:45	WG2354118
Benzylbutyl phthalate	<0.000765		0.000765	0.00300	1	09/03/2024 12:45	WG2354118
Bis(2-ethylhexyl)phthalate	<0.000895		0.000895	0.00300	1	09/03/2024 12:45	WG2354118
Di-n-butyl phthalate	<0.000453		0.000453	0.00300	1	09/03/2024 12:45	WG2354118
Diethyl phthalate	<0.000287		0.000287	0.00300	1	09/03/2024 12:45	WG2354118
Dimethyl phthalate	<0.000260		0.000260	0.00300	1	09/03/2024 12:45	WG2354118
Di-n-octyl phthalate	<0.000932		0.000932	0.00300	1	09/03/2024 12:45	WG2354118
Pyrene	<0.000107		0.000107	0.00100	1	09/03/2024 12:45	WG2354118
1,2,4-Trichlorobenzene	<0.000698		0.000698	0.0100	1	09/03/2024 12:45	WG2354118
4-Chloro-3-methylphenol	<0.000131		0.000131	0.0100	1	09/03/2024 12:45	WG2354118
2-Chlorophenol	<0.000133		0.000133	0.0100	1	09/03/2024 12:45	WG2354118
2,4-Dichlorophenol	<0.000102		0.000102	0.0100	1	09/03/2024 12:45	WG2354118
2,4-Dimethylphenol	<0.000636		0.000636	0.0100	1	09/03/2024 12:45	WG2354118
4,6-Dinitro-2-methylphenol	<0.00112		0.00112	0.0100	1	09/03/2024 12:45	WG2354118
2,4-Dinitrophenol	<0.00593		0.00593	0.0100	1	09/03/2024 12:45	WG2354118
2-Nitrophenol	<0.000117		0.000117	0.0100	1	09/03/2024 12:45	WG2354118
4-Nitrophenol	<0.000143		0.000143	0.0100	1	09/03/2024 12:45	WG2354118
Pentachlorophenol	<0.000313		0.000313	0.0100	1	09/03/2024 12:45	WG2354118
Phenol	<0.00433		0.00433	0.0100	1	09/03/2024 12:45	WG2354118
2,4,6-Trichlorophenol	<0.000100		0.000100	0.0100	1	09/03/2024 12:45	WG2354118
(S) Nitrobenzene-d5	62.2			15.0-314		09/03/2024 12:45	WG2354118
(S) 2-Fluorobiphenyl	58.7			22.0-127		09/03/2024 12:45	WG2354118

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

ACCOUNT:

Eagle Pass Hydro WW Plant

PROJECT:

PERMIT RENEWAL WK2-4

SDG:

L1772221

DATE/TIME:

09/26/24 12:56

PAGE:

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Semi Volatile Organic Compounds (GC/MS) by Method 625.1

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) p-Terphenyl-d14	64.3			29.0-141		09/03/2024 12:45	WG2354118
(S) Phenol-d5	26.8			8.00-424		09/03/2024 12:45	WG2354118
(S) 2-Fluorophenol	40.0			10.0-120		09/03/2024 12:45	WG2354118
(S) 2,4,6-Tribromophenol	61.5			10.0-153		09/03/2024 12:45	WG2354118

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

(MB) R4113931-1 08/29/24 13:13

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Total Dissolved Solids	<25.0		25.0	25.0

¹Cp

²Tc

³Ss

L1771461-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1771461-02 08/29/24 13:13 • (DUP) R4113931-3 08/29/24 13:13

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Total Dissolved Solids	3860	4050	1	4.80		10

⁴Cn

⁵Sr

L1771612-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1771612-01 08/29/24 13:13 • (DUP) R4113931-4 08/29/24 13:13

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Total Dissolved Solids	1780	1730	1	3.02		10

⁶Qc

⁷Gl

⁸Al

Laboratory Control Sample (LCS)

(LCS) R4113931-2 08/29/24 13:13

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Total Dissolved Solids	2410	2470	103	85.0-115	

⁹Sc

Method Blank (MB)

(MB) R4114813-1 08/30/24 14:02

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Suspended Solids	<2.50		2.50	2.50

1 Cp

2 Tc

3 Ss

L1771609-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1771609-04 08/30/24 14:02 • (DUP) R4114813-3 08/30/24 14:02

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Suspended Solids	334	335	1	0.299		10

4 Cn

5 Sr

L1771609-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1771609-05 08/30/24 14:02 • (DUP) R4114813-4 08/30/24 14:02

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Suspended Solids	325	317	1	2.49		10

6 Qc

7 Gl

8 Al

Laboratory Control Sample (LCS)

(LCS) R4114813-2 08/30/24 14:02

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Suspended Solids	879	831	94.5	85.0-115	

9 Sc

Method Blank (MB)

(MB) R4115994-1 09/05/24 11:40

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Oil & Grease (Hexane Extr)	<0.350		0.350	5.00

¹Cp

²Tc

³Ss

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4115994-2 09/05/24 11:40 • (LCSD) R4115994-3 09/05/24 11:40

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Oil & Grease (Hexane Extr)	40.0	38.3	41.8	95.8	105	78.0-114			8.74	18

⁴Cn

⁵Sr

L1771494-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1771494-02 09/05/24 11:40 • (MS) R4115994-4 09/05/24 11:40

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Oil & Grease (Hexane Extr)	40.0	<0.350	37.4	93.4	1	78.0-114	

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4114938-1 09/03/24 09:10

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Alkalinity	<20.0		20.0	20.0
Alkalinity,Bicarbonate	<20.0		20.0	20.0
Alkalinity,Carbonate	<20.0		20.0	20.0
Alkalinity,Hydroxide	<20.0		20.0	20.0
Phenolphthalein Alkalinity	<20.0		20.0	20.0

L1772957-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1772957-02 09/03/24 09:10 • (DUP) R4114938-3 09/03/24 09:10

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	207	207	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4114938-2 09/03/24 09:10

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Alkalinity	250	240	96.0	90.0-110	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4113217-1 08/28/24 16:02

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Chloride	<0.325		0.325	0.800
Nitrate	<0.379		0.379	0.500
Nitrite	<0.0718		0.0718	0.500
Sulfate	<0.211		0.211	0.700

Laboratory Control Sample (LCS)

(LCS) R4113217-2 08/28/24 16:14

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/l	mg/l	%	%	
Chloride	5.00	5.18	104	90.0-110	
Nitrate	5.00	4.99	99.7	90.0-110	
Nitrite	5.00	4.95	99.0	90.0-110	
Sulfate	5.00	5.27	105	90.0-110	

L1772137-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772137-01 08/28/24 17:37 • (MS) R4113217-3 08/28/24 19:47 • (MSD) R4113217-4 08/28/24 19:59

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Nitrate	5.00	1.89	3.46	3.48	31.5	31.8	1	90.0-110	J6	J6	0.334	20
Nitrite	5.00	0.207	3.47	3.51	65.2	66.0	1	90.0-110	J6	J6	1.16	20

L1772137-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772137-01 08/28/24 19:23 • (MS) R4113217-5 08/28/24 20:11 • (MSD) R4113217-6 08/28/24 20:46

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Sulfate	500	156	664	669	102	103	1	90.0-110			0.771	20

L1772137-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772137-01 08/28/24 19:35 • (MS) R4113217-7 08/28/24 20:57 • (MSD) R4113217-8 08/28/24 21:09

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Chloride	2500	1520	4150	4120	105	104	1	90.0-110			0.685	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4115408-1 09/04/24 13:11

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Fluoride	<0.0947		0.0947	0.500

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4115408-2 09/04/24 13:23

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluoride	5.00	5.22	104	90.0-110	

4 Cn

5 Sr

L1772221-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772221-01 09/04/24 14:23 • (MS) R4115408-3 09/04/24 13:35 • (MSD) R4115408-4 09/04/24 13:47

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Fluoride	5.00	0.669	5.59	5.71	98.4	101	1	90.0-110			2.06	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4114083-1 08/30/24 15:53

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chromium,Hexavalent	<0.00200		0.00200	0.00300

Laboratory Control Sample (LCS)

(LCS) R4114083-2 08/30/24 15:53

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chromium,Hexavalent	0.200	0.203	102	85.0-115	

L1772221-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772221-01 08/30/24 15:53 • (MS) R4114083-3 08/30/24 15:53 • (MSD) R4114083-4 08/30/24 15:53

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chromium,Hexavalent	0.200	<0.00200	0.185	0.182	92.3	91.1	1	85.0-115			1.39	20

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

(MB) R4115402-1 09/04/24 14:22

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Kjeldahl Nitrogen, TKN	<0.140		0.140	0.250

Laboratory Control Sample (LCS)

(LCS) R4115402-2 09/04/24 14:23

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Kjeldahl Nitrogen, TKN	4.00	3.96	99.0	90.0-110	

L1769869-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1769869-03 09/04/24 14:26 • (MS) R4115402-3 09/04/24 15:04 • (MSD) R4115402-4 09/04/24 15:05

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Kjeldahl Nitrogen, TKN	4.00	5.92	14.0	13.0	202	177	1	90.0-110	<u>E J5</u>	<u>E J5</u>	7.41	20

L1770293-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1770293-01 09/04/24 14:27 • (MS) R4115402-5 09/04/24 15:06 • (MSD) R4115402-6 09/04/24 15:08

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Kjeldahl Nitrogen, TKN	20.0	39.9	68.5	70.4	143	153	10	90.0-110	<u>J5</u>	<u>J5</u>	2.74	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4113520-1 08/29/24 16:00

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Cyanide	<0.00430		0.00430	0.0100

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4113520-2 08/29/24 16:00

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Cyanide	0.100	0.0963	96.3	85.0-115	

4 Cn

5 Sr

6 Qc

L1771495-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1771495-02 08/29/24 16:00 • (MS) R4113520-3 08/29/24 16:00 • (MSD) R4113520-4 08/29/24 16:00

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Cyanide	0.100	<0.00430	0.0956	0.101	95.6	101	1	85.0-115			5.31	20

7 Gl

8 Al

9 Sc

L1772137-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772137-01 08/29/24 16:00 • (MS) R4113520-5 08/29/24 16:00 • (MSD) R4113520-6 08/29/24 16:00

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Cyanide	0.100	<0.00430	0.0852	0.0949	85.2	94.9	1	85.0-115			10.8	20

Method Blank (MB)

(MB) R4114138-1 08/30/24 17:00

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Phosphorus,Total	<0.0152		0.0152	0.0500

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4114138-2 08/30/24 17:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Phosphorus,Total	0.500	0.518	104	80.0-120	

4 Cn

5 Sr

L1772221-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772221-01 08/30/24 17:01 • (MS) R4114138-3 08/30/24 17:01 • (MSD) R4114138-4 08/30/24 17:01

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Phosphorus,Total	0.500	<0.0152	0.523	0.525	105	105	1	80.0-120			0.443	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4114583-1 09/02/24 12:27

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
BOD	<0.200		0.200	0.200

1 Cp

2 Tc

3 Ss

L1772224-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1772224-01 09/02/24 12:45 • (DUP) R4114583-3 09/02/24 12:46

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
BOD	<1.00	<1.00	1	0		20

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4114583-2 09/02/24 12:32

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
BOD	198	168	84.6	85-115	J-

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4114587-1 09/02/24 13:00

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
CBOD	0.200		0.200	0.200

1 Cp

2 Tc

3 Ss

L1772134-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1772134-02 09/02/24 13:11 • (DUP) R4114587-3 09/02/24 13:24

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
CBOD	<1.00	<1.00	1	0		20

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4114587-2 09/02/24 13:05

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
CBOD	198	168	85	85-115	

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4114968-1 09/03/24 13:54

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
COD	<16.1		16.1	35.0

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4114968-2 09/03/24 13:54

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
COD	500	529	106	80.0-120	

4 Cn

5 Sr

6 Qc

L1769663-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1769663-01 09/03/24 13:54 • (MS) R4114968-3 09/03/24 13:54 • (MSD) R4114968-4 09/03/24 13:54

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
COD	500	45.2	531	535	97.1	98.0	1	80.0-120			0.785	20

7 Gl

8 Al

L1771809-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1771809-01 09/03/24 13:54 • (MS) R4114968-5 09/03/24 13:54 • (MSD) R4114968-6 09/03/24 13:54

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
COD	500	108	598	608	98.0	100	1	80.0-120			1.74	20

9 Sc

Method Blank (MB)

(MB) R4115336-1 08/30/24 13:12

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TOC (Total Organic Carbon)	<0.270		0.270	0.700

Laboratory Control Sample (LCS)

(LCS) R4115336-2 08/30/24 13:32

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	10.0	9.82	98.2	90.0-110	

L1771703-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1771703-02 08/30/24 15:28 • (MS) R4115336-3 08/30/24 14:34 • (MSD) R4115336-4 08/30/24 15:02

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	10.0	4.08	13.5	13.6	94.3	95.1	1	80.0-120			0.590	20

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

(MB) R4113602-1 08/29/24 16:14

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Ammonia Nitrogen	<0.0280		0.0280	0.100

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4113602-2 08/29/24 16:16

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Ammonia Nitrogen	5.00	5.16	103	80.0-120	

4 Cn

5 Sr

6 Qc

L1771585-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1771585-01 08/29/24 16:27 • (MS) R4113602-3 08/29/24 16:18 • (MSD) R4113602-4 08/29/24 16:19

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Ammonia Nitrogen	5.00	0.252	5.24	5.23	99.8	99.6	1	80.0-120			0.191	20

7 Gl

8 Al

L1771778-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1771778-01 08/29/24 16:37 • (MS) R4113602-5 08/29/24 16:21 • (MSD) R4113602-6 08/29/24 16:23

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Ammonia Nitrogen	5.00	0.337	5.37	5.40	101	101	1	80.0-120			0.557	20

9 Sc

Method Blank (MB)

(MB) R4114074-1 08/30/24 15:06

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Aluminum	<0.0353		0.0353	0.500
Antimony	<0.00242		0.00242	0.0250
Arsenic	<0.00418		0.00418	0.0100
Barium	<0.000490		0.000490	0.0100
Beryllium	<0.000180		0.000180	0.00100
Cadmium	<0.000350		0.000350	0.00500
Chromium	<0.000710		0.000710	0.00700
Copper	<0.00364		0.00364	0.0200
Lead	<0.00312		0.00312	0.0100
Nickel	<0.00358		0.00358	0.0100
Selenium	<0.00500		0.00500	0.0200
Thallium	<0.00775		0.00775	0.0200
Zinc	<0.0106		0.0106	0.0250

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4114798-1 09/03/24 10:52

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Silver	<0.000990		0.000990	0.00500

Laboratory Control Sample (LCS)

(LCS) R4114074-2 08/30/24 15:10

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	10.0	10.7	107	85.0-115	
Antimony	1.00	0.935	93.5	85.0-115	
Arsenic	1.00	0.987	98.7	85.0-115	
Barium	1.00	1.04	104	85.0-115	
Beryllium	1.00	1.06	106	85.0-115	
Cadmium	1.00	0.978	97.8	85.0-115	
Chromium	1.00	1.10	110	85.0-115	
Copper	1.00	0.986	98.6	85.0-115	
Lead	1.00	1.03	103	85.0-115	
Nickel	1.00	1.05	105	85.0-115	
Selenium	1.00	0.968	96.8	85.0-115	
Thallium	1.00	1.03	103	85.0-115	
Zinc	1.00	1.03	103	85.0-115	

Laboratory Control Sample (LCS)

(LCS) R4114798-5 09/03/24 11:59

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Silver	0.500	0.486	97.1	85.0-115	

L177221-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772221-01 08/30/24 15:14 • (MS) R4114074-3 08/30/24 15:18 • (MSD) R4114074-4 08/30/24 15:22

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Aluminum	10.0	0.0680	10.7	10.7	107	107	1	70.0-130			0.000	20
Antimony	1.00	<0.00242	0.965	0.945	96.5	94.5	1	70.0-130			2.10	20
Arsenic	1.00	<0.00418	1.02	1.00	102	100	1	70.0-130			1.98	20
Barium	1.00	0.108	1.16	1.15	105	104	1	70.0-130			1.13	20
Beryllium	1.00	<0.000180	1.05	1.04	105	104	1	70.0-130			1.15	20
Cadmium	1.00	0.0151	1.01	0.991	99.6	97.6	1	70.0-130			1.98	20
Chromium	1.00	<0.000710	1.07	1.04	107	104	1	70.0-130			2.37	20
Copper	1.00	0.0149	1.01	0.991	99.1	97.6	1	70.0-130			1.51	20
Lead	1.00	0.00398	1.02	0.997	101	99.3	1	70.0-130			2.11	20
Nickel	1.00	<0.00358	1.03	1.01	103	101	1	70.0-130			2.06	20
Selenium	1.00	<0.00500	1.00	0.985	100	98.5	1	70.0-130			1.69	20
Thallium	1.00	<0.00775	1.02	1.00	102	100	1	70.0-130			1.49	20
Zinc	1.00	0.265	1.27	1.25	100	98.0	1	70.0-130			1.91	20

L177221-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772221-01 09/03/24 11:00 • (MS) R4114798-3 09/03/24 11:04 • (MSD) R4114798-4 09/03/24 11:07

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Silver	0.500	<0.000990	0.400	0.375	80.0	75.1	1	70.0-130			6.35	20

L177221-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L177221-01 09/03/24 14:03 • (MS) R4114798-6 09/03/24 14:07 • (MSD) R4114798-7 09/03/24 14:11

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Aluminum	10.0	0.163	10.4	10.4	103	102	1	70.0-130			0.288	20
Antimony	1.00	<0.00242	1.01	1.02	101	102	1	70.0-130			0.692	20
Arsenic	1.00	<0.00418	1.04	1.04	104	104	1	70.0-130			0.0960	20
Barium	1.00	0.106	1.11	1.11	101	100	1	70.0-130			0.270	20
Beryllium	1.00	<0.000180	1.02	1.02	102	102	1	70.0-130			0.196	20
Cadmium	1.00	0.0120	1.03	1.03	102	102	1	70.0-130			0.0970	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L177221-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L177221-01 09/03/24 14:03 • (MS) R4114798-6 09/03/24 14:07 • (MSD) R4114798-7 09/03/24 14:11

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chromium	1.00	<0.000710	1.05	1.03	105	103	1	70.0-130			1.63	20
Copper	1.00	0.0176	1.03	1.02	101	100	1	70.0-130			0.391	20
Lead	1.00	0.00349	1.04	1.03	103	103	1	70.0-130			0.193	20
Nickel	1.00	<0.00358	1.03	1.03	103	103	1	70.0-130			0.389	20
Selenium	1.00	<0.00500	1.02	1.03	102	103	1	70.0-130			0.973	20
Silver	0.500	<0.000990	0.389	0.393	77.8	78.7	1	70.0-130			1.10	20
Thallium	1.00	<0.00775	1.03	1.03	103	103	1	70.0-130			0.000	20
Zinc	1.00	0.311	1.37	1.35	106	104	1	70.0-130			1.32	20

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

(MB) R4113894-2 08/29/24 16:06

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,1-Trichloroethane	<0.00335		0.00335	0.00500
1,1,2,2-Tetrachloroethane	<0.000596		0.000596	0.00500
1,1,2-Trichloroethane	<0.00145		0.00145	0.00500
1,1-Dichloroethane	<0.00292		0.00292	0.00500
1,1-Dichloroethene	<0.00367		0.00367	0.00500
1,2-Dibromoethane	<0.000403		0.000403	0.00200
1,2-Dichlorobenzene	<0.00172		0.00172	0.00200
1,2-Dichloroethane	<0.00195		0.00195	0.00500
1,2-Dichloropropane	<0.000804		0.000804	0.00200
1,3-Dichlorobenzene	<0.00419		0.00419	0.00500
1,4-Dichlorobenzene	<0.00173		0.00173	0.00200
2-Chloroethyl vinyl ether	<0.00652		0.00652	0.0100
Acrolein	<0.00544		0.00544	0.0100
Acrylonitrile	<0.00709		0.00709	0.0100
Benzene	<0.00207		0.00207	0.00500
Bromodichloromethane	<0.00179		0.00179	0.00200
Bromoform	<0.000960		0.000960	0.0100
Bromomethane	<0.00347		0.00347	0.00500
Carbon tetrachloride	<0.00159		0.00159	0.00200
Chlorobenzene	<0.00276		0.00276	0.0100
Chloroethane	<0.00296		0.00296	0.00500
Chloroform	<0.00212		0.00212	0.00500
Chloromethane	<0.00361		0.00361	0.00500
cis-1,2-Dichloroethene	<0.00113		0.00113	0.00500
cis-1,3-Dichloropropene	<0.00492		0.00492	0.0100
Dibromochloromethane	<0.00327		0.00327	0.00500
Ethylbenzene	<0.000401		0.000401	0.00200
Methylene Chloride	<0.0118		0.0118	0.0200
2-Butanone (MEK)	<0.0129		0.0129	0.0250
Tetrachloroethene	<0.00486		0.00486	0.0100
Toluene	<0.00219		0.00219	0.00500
Total 1,3-Dichloropropene	<0.00372		0.00372	0.0100
trans-1,2-Dichloroethene	<0.00501		0.00501	0.0100
trans-1,3-Dichloropropene	<0.00460		0.00460	0.00500
Trichloroethene	<0.00262		0.00262	0.00500
Vinyl chloride	<0.00466		0.00466	0.00500
(S) 1,2-Dichloroethane-d4	105			70.0-130
(S) 4-Bromofluorobenzene	99.7			70.0-130
(S) Toluene-d8	100			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4113894-1 08/29/24 15:11

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
1,1,1-Trichloroethane	0.0200	0.0211	105	70.0-130	
1,1,2,2-Tetrachloroethane	0.0200	0.0210	105	60.0-140	
1,1,2-Trichloroethane	0.0200	0.0212	106	70.0-130	
1,1-Dichloroethane	0.0200	0.0206	103	70.0-130	
1,1-Dichloroethene	0.0200	0.0208	104	50.0-150	
1,2-Dibromoethane	0.0200	0.0210	105	70.0-130	
1,2-Dichlorobenzene	0.0200	0.0197	98.5	65.0-135	
1,2-Dichloroethane	0.0200	0.0204	102	70.0-130	
1,2-Dichloropropane	0.0200	0.0214	107	35.0-165	
1,3-Dichlorobenzene	0.0200	0.0194	97.0	70.0-130	
1,4-Dichlorobenzene	0.0200	0.0187	93.5	65.0-135	
2-Chloroethyl vinyl ether	0.100	0.0704	70.4	1.00-225	
Acrolein	0.100	0.103	103	64.0-139	
Acrylonitrile	0.100	0.111	111	67.0-136	
Benzene	0.0200	0.0214	107	65.0-135	
Bromodichloromethane	0.0200	0.0210	105	65.0-135	
Bromoform	0.0200	0.0202	101	70.0-130	
Bromomethane	0.0200	0.0222	111	15.0-185	
Carbon tetrachloride	0.0200	0.0197	98.5	70.0-130	
Chlorobenzene	0.0200	0.0198	99.0	65.0-135	
Chloroethane	0.0200	0.0211	105	40.0-160	
Chloroform	0.0200	0.0203	102	70.0-135	
Chloromethane	0.0200	0.0245	123	1.00-205	
cis-1,2-Dichloroethene	0.0200	0.0195	97.5	70.0-130	
cis-1,3-Dichloropropene	0.0200	0.0217	109	25.0-175	
Dibromochloromethane	0.0200	0.0203	102	70.0-135	
Ethylbenzene	0.0200	0.0201	101	60.0-140	
Methylene Chloride	0.0200	0.0209	105	60.0-140	
2-Butanone (MEK)	0.100	0.119	119	70.0-130	
Tetrachloroethene	0.0200	0.0196	98.0	70.0-130	
Toluene	0.0200	0.0206	103	70.0-130	
Total 1,3-Dichloropropene	0.0401	0.0446	111	70.0-130	
trans-1,2-Dichloroethene	0.0200	0.0213	106	70.0-130	
trans-1,3-Dichloropropene	0.0200	0.0229	115	50.0-150	
Trichloroethene	0.0200	0.0204	102	65.0-135	
Vinyl chloride	0.0200	0.0198	99.0	5.00-195	
(S) 1,2-Dichloroethane-d4			105	70.0-130	
(S) 4-Bromofluorobenzene			100	70.0-130	
(S) Toluene-d8			101	70.0-130	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1771701-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1771701-25 08/29/24 16:55 • (MS) R4113894-3 08/29/24 17:20 • (MSD) R4113894-4 08/29/24 17:44

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,1,1-Trichloroethane	0.0200	<0.00335	0.0245	0.0242	123	121	1	52.0-162			1.23	36
1,1,2,2-Tetrachloroethane	0.0200	<0.000596	0.0241	0.0238	121	119	1	46.0-157			1.25	61
1,1,2-Trichloroethane	0.0200	<0.00145	0.0236	0.0243	118	122	1	52.0-150			2.92	45
1,1-Dichloroethane	0.0200	<0.00292	0.0241	0.0233	121	117	1	59.0-155			3.38	40
1,1-Dichloroethene	0.0200	<0.00367	0.0261	0.0249	131	124	1	1.00-234			4.71	32
1,2-Dibromoethane	0.0200	<0.000403	0.0234	0.0238	117	119	1	70.0-130			1.69	20
1,2-Dichlorobenzene	0.0200	<0.00172	0.0233	0.0227	117	114	1	18.0-190			2.61	57
1,2-Dichloroethane	0.0200	<0.00195	0.0236	0.0231	118	116	1	49.0-155			2.14	49
1,2-Dichloropropane	0.0200	<0.000804	0.0237	0.0249	119	124	1	1.00-210			4.94	55
1,3-Dichlorobenzene	0.0200	<0.00419	0.0227	0.0227	114	114	1	59.0-156			0.000	43
1,4-Dichlorobenzene	0.0200	<0.00173	0.0231	0.0228	116	114	1	18.0-190			1.31	57
2-Chloroethyl vinyl ether	0.100	<0.00652	<0.00652	<0.00652	0.000	0.000	1	1.00-305	J6	J6	0.000	71
Acrolein	0.100	<0.00544	0.106	0.103	106	103	1	4.00-172			2.87	20
Acrylonitrile	0.100	<0.00709	0.115	0.100	115	100	1	22.0-189			14.0	20
Benzene	0.0200	<0.00207	0.0248	0.0247	124	123	1	37.0-151			0.404	61
Bromodichloromethane	0.0200	<0.00179	0.0223	0.0228	112	114	1	35.0-155			2.22	56
Bromoform	0.0200	<0.000960	0.0223	0.0225	112	113	1	70.0-130			0.893	42
Bromomethane	0.0200	<0.00347	0.0220	0.0238	110	119	1	15.0-185			7.86	61
Carbon tetrachloride	0.0200	<0.00159	0.0236	0.0243	118	122	1	70.0-140			2.92	41
Chlorobenzene	0.0200	<0.00276	0.0225	0.0231	113	116	1	37.0-160			2.63	53
Chloroethane	0.0200	<0.00296	0.0218	0.0220	109	110	1	14.0-230			0.913	78
Chloroform	0.0200	0.00560	0.0285	0.0285	115	115	1	51.0-138			0.000	54
Chloromethane	0.0200	<0.00361	0.0251	0.0231	126	116	1	1.00-273			8.30	20
cis-1,2-Dichloroethene	0.0200	<0.00113	0.0237	0.0229	119	115	1	70.0-130			3.43	20
cis-1,3-Dichloropropene	0.0200	<0.00492	0.0239	0.0243	120	122	1	1.00-227			1.66	58
Dibromochloromethane	0.0200	<0.00327	0.0223	0.0222	112	111	1	53.0-149			0.449	50
Ethylbenzene	0.0200	<0.000401	0.0239	0.0240	120	120	1	37.0-162			0.418	63
Methylene Chloride	0.0200	<0.0118	0.0231	0.0232	116	116	1	1.00-221			0.432	28
2-Butanone (MEK)	0.100	<0.0129	0.0644	0.0641	64.4	64.1	1	70.0-130	J6	J6	0.467	20
Tetrachloroethene	0.0200	<0.00486	0.0232	0.0235	116	117	1	64.0-148			1.28	39
Toluene	0.0200	<0.00219	0.0236	0.0238	118	119	1	47.0-150			0.844	41
Total 1,3-Dichloropropene	0.0401	<0.00372	0.0502	0.0490	125	122	1	70.0-130			2.42	20
trans-1,2-Dichloroethene	0.0200	<0.00501	0.0248	0.0250	124	125	1	54.0-156			0.803	45
trans-1,3-Dichloropropene	0.0200	<0.00460	0.0263	0.0247	132	123	1	17.0-183			6.27	86
Trichloroethene	0.0200	<0.00262	0.0245	0.0238	123	119	1	70.0-157			2.90	48
Vinyl chloride	0.0200	<0.00466	0.0226	0.0218	113	109	1	1.00-251			3.60	66
(S) 1,2-Dichloroethane-d4					104	103		70.0-130				
(S) 4-Bromofluorobenzene					102	98.8		70.0-130				
(S) Toluene-d8					98.6	99.6		70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4114567-1 08/31/24 12:46

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
PCB 1016	<0.000270		0.000270	0.000500
PCB 1221	<0.000270		0.000270	0.000500
PCB 1232	<0.000270		0.000270	0.000500
PCB 1242	<0.000270		0.000270	0.000500
PCB 1248	<0.000173		0.000173	0.000500
PCB 1254	<0.000173		0.000173	0.000500
PCB 1260	<0.000173		0.000173	0.000500
Total PCBs	<0.000173		0.000173	0.000500
(S) Decachlorobiphenyl	62.0			10.0-144
(S) Tetrachloro-m-xylene	106			10.0-135

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4114567-5 08/31/24 13:04

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.00250	0.00261	104	50.0-140	
PCB 1260	0.00250	0.00198	79.2	8.00-140	
(S) Decachlorobiphenyl			32.3	10.0-144	
(S) Tetrachloro-m-xylene			95.7	10.0-135	

L1772229-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772229-04 08/31/24 13:31 • (MS) R4114567-6 08/31/24 13:57 • (MSD) R4114567-7 08/31/24 14:06

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1016	0.00250	<0.000270	0.00575	0.00546	230	218	1	50.0-140	J5 P	J5 P	5.17	36
PCB 1260	0.00250	<0.000173	0.000800	0.000660	32.0	26.4	1	8.00-140			19.2	38
(S) Decachlorobiphenyl					8.27	6.25		10.0-144	J2	J2		
(S) Tetrachloro-m-xylene					16.5	17.0		10.0-135				

Sample Narrative:

OS: Surrogate failure due to matrix interference

Method Blank (MB)

(MB) R4115751-2 09/03/24 10:17

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acenaphthene	<0.0000886		0.0000886	0.00100
Acenaphthylene	<0.0000921		0.0000921	0.00100
Anthracene	<0.0000804		0.0000804	0.00100
Benzidine	<0.00374		0.00374	0.0100
Benzo(a)anthracene	<0.000199		0.000199	0.00100
Benzo(b)fluoranthene	<0.000130		0.000130	0.00100
Benzo(k)fluoranthene	<0.000120		0.000120	0.00100
Benzo(g,h,i)perylene	<0.000121		0.000121	0.00100
Benzo(a)pyrene	<0.0000381		0.0000381	0.00100
Bis(2-chlorethoxy)methane	<0.000116		0.000116	0.0100
Bis(2-chloroethyl)ether	<0.000137		0.000137	0.0100
2,2-Oxybis(1-Chloropropane)	<0.000210		0.000210	0.0100
4-Bromophenyl-phenylether	<0.0000877		0.0000877	0.0100
2-Chloronaphthalene	<0.0000648		0.0000648	0.00100
4-Chlorophenyl-phenylether	<0.0000926		0.0000926	0.0100
Chrysene	<0.000130		0.000130	0.00100
Dibenz(a,h)anthracene	<0.0000644		0.0000644	0.00100
3,3-Dichlorobenzidine	<0.000212		0.000212	0.0100
2,4-Dinitrotoluene	<0.0000983		0.0000983	0.0100
2,6-Dinitrotoluene	<0.000250		0.000250	0.0100
1,2-Diphenylhydrazine	<0.000105	N2	0.000105	0.0100
Fluoranthene	<0.000102		0.000102	0.00100
Fluorene	<0.0000844		0.0000844	0.00100
Hexachlorobenzene	<0.0000755		0.0000755	0.00100
Hexachloro-1,3-butadiene	<0.0000968		0.0000968	0.0100
Hexachlorocyclopentadiene	<0.0000598		0.0000598	0.0100
Hexachloroethane	<0.000127		0.000127	0.0100
Indeno(1,2,3-cd)pyrene	<0.000279		0.000279	0.00100
Isophorone	<0.000143		0.000143	0.0100
Naphthalene	<0.000159		0.000159	0.00100
Nitrobenzene	<0.000297		0.000297	0.0100
n-Nitrosodimethylamine	<0.000998		0.000998	0.0100
n-Nitrosodiphenylamine	<0.00237		0.00237	0.0100
n-Nitrosodi-n-propylamine	<0.000261		0.000261	0.0100
Phenanthrene	<0.000112		0.000112	0.00100
Benzylbutyl phthalate	<0.000765		0.000765	0.00300
Bis(2-ethylhexyl)phthalate	<0.000895		0.000895	0.00300
Di-n-butyl phthalate	<0.000453		0.000453	0.00300
Diethyl phthalate	<0.000287		0.000287	0.00300
Dimethyl phthalate	<0.000260		0.000260	0.00300

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4115751-2 09/03/24 10:17

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Di-n-octyl phthalate	<0.000932		0.000932	0.00300
Pyrene	<0.000107		0.000107	0.00100
1,2,4-Trichlorobenzene	<0.0000698		0.0000698	0.0100
4-Chloro-3-methylphenol	<0.000131		0.000131	0.0100
2-Chlorophenol	<0.000133		0.000133	0.0100
2,4-Dichlorophenol	<0.000102		0.000102	0.0100
2,4-Dimethylphenol	<0.0000636		0.0000636	0.0100
4,6-Dinitro-2-methylphenol	<0.00112		0.00112	0.0100
2,4-Dinitrophenol	<0.00593		0.00593	0.0100
2-Nitrophenol	<0.000117		0.000117	0.0100
4-Nitrophenol	<0.000143		0.000143	0.0100
Pentachlorophenol	<0.000313		0.000313	0.0100
Phenol	<0.00433		0.00433	0.0100
2,4,6-Trichlorophenol	<0.000100		0.000100	0.0100
(S) Nitrobenzene-d5	59.5			15.0-314
(S) 2-Fluorobiphenyl	53.5			22.0-127
(S) p-Terphenyl-d14	61.9			29.0-141
(S) Phenol-d5	25.8			8.00-424
(S) 2-Fluorophenol	41.3			10.0-120
(S) 2,4,6-Tribromophenol	59.0			10.0-153

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R4115751-1 09/03/24 09:56

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.0500	0.0274	54.8	47.0-145	
Acenaphthylene	0.0500	0.0285	57.0	33.0-145	
Anthracene	0.0500	0.0300	60.0	27.0-133	
Benzidine	0.100	0.0369	36.9	1.00-120	
Benzo(a)anthracene	0.0500	0.0321	64.2	33.0-143	
Benzo(b)fluoranthene	0.0500	0.0322	64.4	24.0-159	
Benzo(k)fluoranthene	0.0500	0.0322	64.4	11.0-162	
Benzo(g,h,i)perylene	0.0500	0.0290	58.0	1.00-219	
Benzo(a)pyrene	0.0500	0.0308	61.6	17.0-163	
Bis(2-chlorethoxy)methane	0.0500	0.0299	59.8	1.00-219	
Bis(2-chloroethyl)ether	0.0500	0.0310	62.0	33.0-185	
2,2-Oxybis(1-Chloropropane)	0.0500	0.0278	55.6	36.0-166	
4-Bromophenyl-phenylether	0.0500	0.0318	63.6	53.0-127	

Laboratory Control Sample (LCS)

(LCS) R4115751-1 09/03/24 09:56

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Chloronaphthalene	0.0500	0.0251	50.2	60.0-120	J4
4-Chlorophenyl-phenylether	0.0500	0.0293	58.6	25.0-158	
Chrysene	0.0500	0.0309	61.8	17.0-168	
Dibenz(a,h)anthracene	0.0500	0.0283	56.6	1.00-227	
3,3-Dichlorobenzidine	0.100	0.0684	68.4	1.00-262	
2,4-Dinitrotoluene	0.0500	0.0357	71.4	39.0-139	
2,6-Dinitrotoluene	0.0500	0.0327	65.4	50.0-158	
1,2-Diphenylhydrazine	0.0500	0.0322	64.4	37.0-125	N2
Fluoranthene	0.0500	0.0320	64.0	26.0-137	
Fluorene	0.0500	0.0292	58.4	59.0-121	J4
Hexachlorobenzene	0.0500	0.0329	65.8	1.00-152	
Hexachloro-1,3-butadiene	0.0500	0.0225	45.0	24.0-120	
Hexachlorocyclopentadiene	0.0500	0.00999	20.0	10.0-120	J
Hexachloroethane	0.0500	0.0244	48.8	40.0-120	
Indeno(1,2,3-cd)pyrene	0.0500	0.0279	55.8	1.00-171	
Isophorone	0.0500	0.0283	56.6	21.0-196	
Naphthalene	0.0500	0.0262	52.4	21.0-133	
Nitrobenzene	0.0500	0.0278	55.6	35.0-180	
n-Nitrosodimethylamine	0.0500	0.0195	39.0	10.0-120	
n-Nitrosodiphenylamine	0.0500	0.0294	58.8	44.0-120	
n-Nitrosodi-n-propylamine	0.0500	0.0293	58.6	1.00-230	
Phenanthrene	0.0500	0.0294	58.8	54.0-120	
Benzylbutyl phthalate	0.0500	0.0266	53.2	1.00-152	
Bis(2-ethylhexyl)phthalate	0.0500	0.0302	60.4	8.00-158	
Di-n-butyl phthalate	0.0500	0.0312	62.4	1.00-120	
Diethyl phthalate	0.0500	0.0264	52.8	1.00-120	
Dimethyl phthalate	0.0500	0.0210	42.0	1.00-120	
Di-n-octyl phthalate	0.0500	0.0352	70.4	4.00-146	
Pyrene	0.0500	0.0293	58.6	52.0-120	
1,2,4-Trichlorobenzene	0.0500	0.0245	49.0	44.0-142	
4-Chloro-3-methylphenol	0.0500	0.0304	60.8	22.0-147	
2-Chlorophenol	0.0500	0.0267	53.4	23.0-134	
2,4-Dichlorophenol	0.0500	0.0272	54.4	39.0-135	
2,4-Dimethylphenol	0.0500	0.0311	62.2	32.0-120	
4,6-Dinitro-2-methylphenol	0.0500	0.0354	70.8	1.00-181	
2,4-Dinitrophenol	0.0500	0.0287	57.4	1.00-191	
2-Nitrophenol	0.0500	0.0322	64.4	29.0-182	
4-Nitrophenol	0.0500	0.0165	33.0	1.00-132	
Pentachlorophenol	0.0500	0.0256	51.2	14.0-176	
Phenol	0.0500	0.0156	31.2	5.00-120	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4115751-1 09/03/24 09:56

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,4,6-Trichlorophenol	0.0500	0.0273	54.6	37.0-144	
(S) Nitrobenzene-d5			56.0	15.0-314	
(S) 2-Fluorobiphenyl			51.0	22.0-127	
(S) p-Terphenyl-d14			60.9	29.0-141	
(S) Phenol-d5			25.5	8.00-424	
(S) 2-Fluorophenol			38.9	10.0-120	
(S) 2,4,6-Tribromophenol			73.0	10.0-153	

L177221-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L177221-01 09/03/24 12:45 • (MS) R4115751-3 09/03/24 13:06 • (MSD) R4115751-4 09/03/24 13:27

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.0500	<0.0000886	0.0281	0.0296	56.2	59.2	1	47.0-145			5.20	48
Acenaphthylene	0.0500	<0.0000921	0.0298	0.0318	59.6	63.6	1	33.0-145			6.49	74
Anthracene	0.0500	<0.0000804	0.0290	0.0317	58.0	63.4	1	27.0-133			8.90	66
Benzidine	0.100	<0.00374	0.0437	0.0563	43.7	56.3	1	1.00-120			25.2	40
Benzo(a)anthracene	0.0500	<0.000199	0.0306	0.0347	61.2	69.4	1	33.0-143			12.6	53
Benzo(b)fluoranthene	0.0500	<0.000130	0.0314	0.0356	62.8	71.2	1	24.0-159			12.5	71
Benzo(k)fluoranthene	0.0500	<0.000120	0.0297	0.0342	59.4	68.4	1	11.0-162			14.1	63
Benzo(g,h,i)perylene	0.0500	<0.000121	0.0280	0.0309	56.0	61.8	1	1.00-219			9.85	97
Benzo(a)pyrene	0.0500	<0.0000381	0.0292	0.0328	58.4	65.6	1	17.0-163			11.6	72
Bis(2-chlorethoxy)methane	0.0500	<0.000116	0.0294	0.0321	58.8	64.2	1	33.0-184			8.78	54
Bis(2-chloroethyl)ether	0.0500	<0.000137	0.0306	0.0338	61.2	67.6	1	12.0-158			9.94	108
2,2-Oxybis(1-Chloropropane)	0.0500	<0.000210	0.0266	0.0300	53.2	60.0	1	36.0-166			12.0	76
4-Bromophenyl-phenylether	0.0500	<0.0000877	0.0319	0.0342	63.8	68.4	1	53.0-127			6.96	43
2-Chloronaphthalene	0.0500	<0.0000648	0.0270	0.0276	54.0	55.2	1	60.0-120	J6	J6	2.20	24
4-Chlorophenyl-phenylether	0.0500	<0.0000926	0.0298	0.0317	59.6	63.4	1	25.0-158			6.18	61
Chrysene	0.0500	<0.000130	0.0296	0.0333	59.2	66.6	1	17.0-168			11.8	87
Dibenz(a,h)anthracene	0.0500	<0.0000644	0.0274	0.0304	54.8	60.8	1	1.00-227			10.4	126
3,3-Dichlorobenzidine	0.100	<0.000212	0.0652	0.0717	65.2	71.7	1	1.00-262			9.50	108
2,4-Dinitrotoluene	0.0500	<0.0000983	0.0345	0.0387	69.0	77.4	1	39.0-139			11.5	42
2,6-Dinitrotoluene	0.0500	<0.000250	0.0330	0.0350	66.0	70.0	1	50.0-158			5.88	48
1,2-Diphenylhydrazine	0.0500	<0.000105	0.0315	0.0337	63.0	67.4	1	18.0-156	N2	N2	6.75	34
Fluoranthene	0.0500	<0.000102	0.0319	0.0344	63.8	68.8	1	26.0-137			7.54	66
Fluorene	0.0500	<0.0000844	0.0295	0.0309	59.0	61.8	1	59.0-121			4.64	38
Hexachlorobenzene	0.0500	<0.0000755	0.0324	0.0351	64.8	70.2	1	1.00-152			8.00	55
Hexachloro-1,3-butadiene	0.0500	<0.0000968	0.0251	0.0269	50.2	53.8	1	24.0-120			6.92	62
Hexachlorocyclopentadiene	0.0500	<0.0000598	0.0116	0.0123	23.2	24.6	1	10.0-146			5.86	34

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1772221-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772221-01 09/03/24 12:45 • (MS) R4115751-3 09/03/24 13:06 • (MSD) R4115751-4 09/03/24 13:27

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Hexachloroethane	0.0500	<0.000127	0.0253	0.0280	50.6	56.0	1	40.0-120			10.1	52
Indeno(1,2,3-cd)pyrene	0.0500	<0.000279	0.0272	0.0301	54.4	60.2	1	1.00-171			10.1	99
Isophorone	0.0500	<0.000143	0.0293	0.0310	58.6	62.0	1	21.0-196			5.64	93
Naphthalene	0.0500	<0.000159	0.0270	0.0290	54.0	58.0	1	21.0-133			7.14	65
Nitrobenzene	0.0500	<0.000297	0.0287	0.0305	57.4	61.0	1	35.0-180			6.08	62
n-Nitrosodimethylamine	0.0500	<0.000998	0.0211	0.0230	42.2	46.0	1	10.0-120			8.62	40
n-Nitrosodiphenylamine	0.0500	<0.00237	0.0268	0.0288	53.6	57.6	1	16.0-160			7.19	28
n-Nitrosodi-n-propylamine	0.0500	<0.000261	0.0282	0.0328	56.4	65.6	1	1.00-230			15.1	87
Phenanthrene	0.0500	<0.000112	0.0289	0.0314	57.8	62.8	1	54.0-120			8.29	39
Benzylbutyl phthalate	0.0500	<0.000765	0.0262	0.0293	52.4	58.6	1	1.00-152			11.2	60
Bis(2-ethylhexyl)phthalate	0.0500	<0.000895	0.0288	0.0323	57.6	64.6	1	8.00-158			11.5	82
Di-n-butyl phthalate	0.0500	<0.000453	0.0310	0.0342	62.0	68.4	1	1.00-120			9.82	47
Diethyl phthalate	0.0500	<0.000287	0.0264	0.0287	52.8	57.4	1	1.00-120			8.35	100
Dimethyl phthalate	0.0500	<0.000260	0.0219	0.0244	43.8	48.8	1	1.00-120			10.8	183
Di-n-octyl phthalate	0.0500	<0.000932	0.0340	0.0368	68.0	73.6	1	4.00-146			7.91	69
Pyrene	0.0500	<0.000107	0.0271	0.0308	54.2	61.6	1	52.0-120			12.8	49
1,2,4-Trichlorobenzene	0.0500	<0.0000698	0.0261	0.0278	52.2	55.6	1	44.0-142			6.31	50
4-Chloro-3-methylphenol	0.0500	<0.000131	0.0288	0.0317	57.6	63.4	1	22.0-147			9.59	73
2-Chlorophenol	0.0500	<0.000133	0.0277	0.0292	55.4	58.4	1	23.0-134			5.27	61
2,4-Dichlorophenol	0.0500	<0.000102	0.0275	0.0296	55.0	59.2	1	39.0-135			7.36	50
2,4-Dimethylphenol	0.0500	<0.0000636	0.0259	0.0336	51.8	67.2	1	32.0-120			25.9	58
4,6-Dinitro-2-methylphenol	0.0500	<0.00112	0.0343	0.0391	68.6	78.2	1	1.00-181			13.1	203
2,4-Dinitrophenol	0.0500	<0.00593	0.0300	0.0351	60.0	70.2	1	1.00-191			15.7	132
2-Nitrophenol	0.0500	<0.000117	0.0329	0.0348	65.8	69.6	1	29.0-182			5.61	55
4-Nitrophenol	0.0500	<0.000143	0.0216	0.0211	43.2	42.2	1	1.00-132			2.34	131
Pentachlorophenol	0.0500	<0.000313	0.0255	0.0291	51.0	58.2	1	14.0-176			13.2	86
Phenol	0.0500	<0.00433	0.0165	0.0171	33.0	34.2	1	5.00-120			3.57	64
2,4,6-Trichlorophenol	0.0500	<0.000100	0.0283	0.0301	56.6	60.2	1	37.0-144			6.16	58
<i>(S) Nitrobenzene-d5</i>					58.4	61.1		15.0-314				
<i>(S) 2-Fluorobiphenyl</i>					53.8	55.6		22.0-127				
<i>(S) p-Terphenyl-d14</i>					56.4	65.7		29.0-141				
<i>(S) Phenol-d5</i>					26.6	26.9		8.00-424				
<i>(S) 2-Fluorophenol</i>					37.7	38.3		10.0-120				
<i>(S) 2,4,6-Tribromophenol</i>					65.5	71.5		10.0-153				

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J-	The associated batch QC was outside the lower control limits; associated data has a potential negative bias.
N2	Analyte reported using a calibration and validation based on Azobenzene (CAS 103-33-3). 1,2-Diphenylhydrazine decomposes into Azobenzene during the analysis.
P	RPD between the primary and confirmatory analysis exceeded 40%.
T8	Sample(s) received past/too close to holding time expiration.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

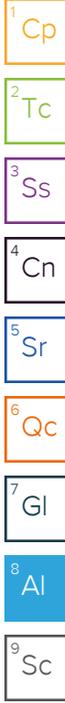
Pace Analytical Services, LLC -Dallas 400 W. Bethany Drive Suite 190 Allen, TX 75013

Arkansas	88-0647	Kansas	E10388
Florida	E871118	Texas	T104704232-23-39
Iowa	408	Oklahoma	8727
Louisiana	30686		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Time estimate: oh

Time spent: oh

Members

- Olivia Currie (responsible)
- Lori Vahrenkamp

- 1. If Chain-of-custody (COC) is not received: contact client and if necessary, fill out a COC and indicate that it was filled out by lab personnel. Note issues on this NCF.
- 2. If COC is incomplete, check applicable issues below and add details where appropriate:
- *Collection date/time missing or incorrect
- *Analyses or analytes: missing or Clarification needed
- *Samples listed on COC do not match samples received (missing, additional, etc.)
- *Sample IDs on COC do not match sample Labels
- *Required trip blanks were not received
- *Required signatures are missing
- 3. Sample integrity issues: check applicable issues below and add details where appropriate:
- *Samples: Past holding time
- *Samples: Not Field Filtered
- *samples: Insufficient volume received
- *Samples: Cooler damaged or compromised
- *Samples: contain Chlorine or Sulfide
- *Samples: condition needs to be brought to lab personnel's attention (details below)
- *Containers: Broken or compromised
- *Containers: Incorrect
- *Custody Seals: missing or compromised on samples, trip blanks or coolers
- *Packing Material: Insufficient/Improper
- *Preservation: improper
- *Temperature: not within acceptance criteria (typically 0-6C)
- *Temperature: Samples arrived frozen
- *Vials received with improper headspace
- *Other:
- 4. If Samples not preserved properly and Sample Receiving adjusts pH, add details below:
- Sample ID: _____
- Preserved by: _____
- Date/Time: _____
- Initial and Final pH: _____
- Amount/type pres added: _____
- Lot # of Pres added: _____
- 5. Client contact: If Client is Contacted for any issue listed above, fill in details below:
- Client: _____
- PM Initials: _____
- Contacted per: _____
- Date/Time: _____

Comments

FedEx

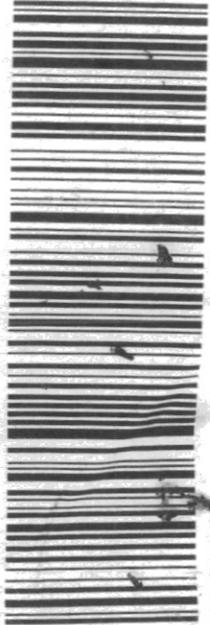
TRK#

7387 0566 2627

TUE - 27 AUG AA
PRIORITY OVERNIGHT

AD DNEA

75013
TX-US
DFW



DETROIT MI

TOVA



2418231122810

FedEx
Express



TO
FROM
RMA
ST 6
RT 427
D 5 10:30
2627
08.27

400 W. BETHANY
SUITE 190
ALLEN TX 75013

TO SAMPLE RECEIPT
PAGE

ORIGIN ID: VCTA (36)
PACE
1606 E BRAZOS ST
SUITE 1
VICTORIA, TX 77901
UNITED STATES US

SHIP DATE: 08AUG24
ACTWGT: 50.00 LB MAN
CRD: 0917226/CRFES3808

585C6/A12D/C6C4



DC# Title: ENV-FRM-ALLE-0017 v15_Sample Condition Upon Receipt

Effective Date: 12/18/2023

Sample Condition Upon Receipt

Client Name: Eagle Pass Hydroplant
Courier: FedEx
Tracking #: 1367 0566 2629
Project Work order (place label):

Custody Seal on Cooler/Box: Yes No
Received on ice: Wet Blue No ice
Receiving Lab 1 Thermometer Used: 1K19 Cooler Temp °C: 9.9 (Recorded) 10.0 (Actual)
Receiving Lab 2 Thermometer Used: Cooler Temp °C: (Recorded) (Actual)

Table with 2 columns: Question (Chain of Custody relinquished, Sampler name & signature on COC, Short HT analyses (<72 hrs)) and Answer (Yes/No)

Temperature should be above freezing to 6°C unless collected same day as receipt in which evidence of cooling is acceptable.

Table with 2 columns: Question (Triage Person, Sufficient Volume received, Correct Container used, Container Intact, Sample pH Acceptable, Residual Chlorine Present, Sulfide Present, Lead Acetate Strips, Are soil samples (volatiles, TPH) received in 5035A Kits, Unpreserved 5035A soil frozen within 48 hrs, Headspace in VOA (>6mm), Project sampled in USDA Regulated Area outside of Texas, State Sampled, Non-Conformance(s)) and Answer (Yes/No/NA)

Login Person: ac Date: 8/27

Labeling Person (if different than log-in): Date:

Eagle Pass Hydro WW Plant

Sample Delivery Group: L1753160
Samples Received: 07/03/2024
Project Number: PERMIT RENEWAL WK1
Description: Waste Water
Site: S-PITT
Report To: Joe Martinez
1622 Maverick Industrial Park Rd.
Eagle Pass, TX 78852

Entire Report Reviewed By:



Lori A Vahrenkamp
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

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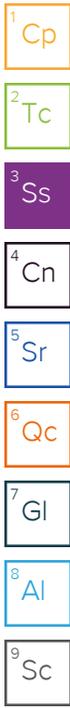


SAMPLE SUMMARY

WASTE WATER PERMIT L1753160-01 WW

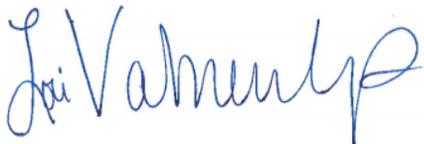
Collected by: RH
 Collected date/time: 07/02/24 10:40
 Received date/time: 07/03/24 09:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2317150	1	07/09/24 18:13	07/09/24 18:13	KCM	Allen, TX
Gravimetric Analysis by Method 2540C	WG2318938	1	07/08/24 10:22	07/08/24 14:15	QQT	Allen, TX
Gravimetric Analysis by Method 2540D	WG2319913	1	07/09/24 16:11	07/09/24 17:06	QQT	Allen, TX
Wet Chemistry by Method 1664A	WG2318182	1	07/09/24 08:40	07/09/24 15:01	TK	Allen, TX
Wet Chemistry by Method 2120B	WG2317069	1	07/03/24 15:17	07/03/24 15:17	EIG	Allen, TX
Wet Chemistry by Method 2320B	WG2318931	1	07/08/24 10:00	07/08/24 10:00	SEN	Allen, TX
Wet Chemistry by Method 300.0	WG2324618	1	07/17/24 13:55	07/17/24 13:55	SMC	Allen, TX
Wet Chemistry by Method 300.0	WG2324618	10	07/17/24 15:25	07/17/24 15:25	SMC	Allen, TX
Wet Chemistry by Method 300.0	WG2324618	50	07/17/24 15:43	07/17/24 15:43	SMC	Allen, TX
Wet Chemistry by Method 3500Cr-B	WG2319740	1	07/09/24 18:13	07/09/24 18:13	KCM	Allen, TX
Wet Chemistry by Method 351.2	WG2319477	1	07/09/24 10:25	07/10/24 13:30	EIG	Allen, TX
Wet Chemistry by Method 353.2	WG2317050	1	07/03/24 15:22	07/03/24 15:22	EIG	Allen, TX
Wet Chemistry by Method 4500CN-E	WG2317789	1	07/05/24 12:10	07/05/24 17:50	KCM	Allen, TX
Wet Chemistry by Method 4500CN-G	WG2317789	1	07/05/24 17:50	07/05/24 17:50	KCM	Allen, TX
Wet Chemistry by Method 4500P-E	WG2319455	1	07/10/24 10:09	07/10/24 10:09	SMC	Allen, TX
Wet Chemistry by Method 5210 B-2016	WG2316677	1	07/03/24 14:31	07/08/24 09:05	JBS	Allen, TX
Wet Chemistry by Method 5210 B-2016	WG2316679	1	07/03/24 15:54	07/08/24 10:13	JBS	Allen, TX
Wet Chemistry by Method 5220D	WG2318880	1	07/08/24 10:16	07/08/24 14:30	JBS	Allen, TX
Wet Chemistry by Method 5310C	WG2316698	1	07/08/24 23:19	07/08/24 23:19	EIG	Allen, TX
Wet Chemistry by Method SM4500NH3H	WG2319185	1	07/08/24 18:38	07/08/24 18:38	EIG	Allen, TX
Metals (ICP) by Method 200.7	WG2317150	1	07/03/24 17:17	07/05/24 14:11	SKW	Allen, TX
Volatile Organic Compounds (GC/MS) by Method 624.1	WG2317230	1	07/03/24 19:06	07/03/24 19:06	JHH	Allen, TX
Polychlorinated Biphenyls (GC) by Method EPA-608.3	WG2318566	1.11	07/07/24 20:24	07/08/24 16:42	NWH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 625.1	WG2317770	1	07/05/24 09:03	07/07/24 15:09	XLY	Allen, TX
Subcontracted Analyses	WG2318059	1	07/15/24 00:00	07/15/24 00:00	JWW	Green Bay, WI 54302



CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Lori A Vahrenkamp
Project Manager



Report Revision History

Level II Report - Version 1: 07/19/24 14:04

Project Narrative

TTHM: <0.01 mg/L
TON: 0.050 mg/L

Revised report issued 9/26/24.

L1753160 -01 contains subout data that is included after the chain of custody.

Sample Delivery Group (SDG) Narrative

No extra volume received to perform Matrix Spike samples.

<u>Lab Sample ID</u>	<u>Project Sample ID</u>	<u>Method</u>
L1753160-01	WASTE WATER PERMIT	625.1

WASTE WATER PERMIT

Collected date/time: 07/02/24 10:40

SAMPLE RESULTS - 01

L1753160

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chromium, Trivalent	0.00217	J	0.000710	0.00300	1	07/09/2024 18:13	WG2317150

Gravimetric Analysis by Method 2540C

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Total Dissolved Solids	615		25.0	1	07/08/2024 14:15	WG2318938

Gravimetric Analysis by Method 2540D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	99.5		12.5	1	07/09/2024 17:06	WG2319913

Wet Chemistry by Method 1664A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Oil & Grease (Hexane Extr)	<0.398		0.398	5.68	1	07/09/2024 15:01	WG2318182

Wet Chemistry by Method 2120B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Color	10.0		5.00	1	07/03/2024 15:17	WG2317069

Sample Narrative:

L1753160-01 WG2317069: 7

Wet Chemistry by Method 2320B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	137		20.0	20.0	1	07/08/2024 10:00	WG2318931
Alkalinity, Bicarbonate	137		20.0	20.0	1	07/08/2024 10:00	WG2318931
Alkalinity, Carbonate	<20.0		20.0	20.0	1	07/08/2024 10:00	WG2318931
Alkalinity, Hydroxide	<20.0		20.0	20.0	1	07/08/2024 10:00	WG2318931
Phenolphthalein Alkalinity	<20.0		20.0	20.0	1	07/08/2024 10:00	WG2318931

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	98.3		3.25	8.00	10	07/17/2024 15:25	WG2324618
Fluoride	0.758		0.0947	0.500	1	07/17/2024 13:55	WG2324618
Sulfate	172		10.6	35.0	50	07/17/2024 15:43	WG2324618

Wet Chemistry by Method 3500Cr-B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chromium, Hexavalent	<0.00200		0.00200	0.00300	1	07/09/2024 18:13	WG2319740

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.281	J5	0.140	0.250	1	07/10/2024 13:30	WG2319477



WASTE WATER PERMIT

Collected date/time: 07/02/24 10:40

SAMPLE RESULTS - 01

L1753160

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	0.274		0.0300	0.0500	1	07/03/2024 15:22	WG2317050
Nitrate	0.274		0.0300	0.0500	1	07/03/2024 15:22	WG2317050
Nitrite	<0.0300		0.0300	0.0500	1	07/03/2024 15:22	WG2317050

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Wet Chemistry by Method 4500CN-E

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide	<0.00430		0.00430	0.0100	1	07/05/2024 17:50	WG2317789

Wet Chemistry by Method 4500CN-G

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide,amenable	<0.00430		0.00430	0.0100	1	07/05/2024 17:50	WG2317789

Wet Chemistry by Method 4500P-E

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Phosphorus,Total	0.0874		0.0152	0.0500	1	07/10/2024 10:09	WG2319455

Wet Chemistry by Method 5210 B-2016

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
BOD	<1.00		1.00	1	07/08/2024 09:05	WG2316677
CBOD	<1.00		1.00	1	07/08/2024 10:13	WG2316679

Wet Chemistry by Method 5220D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
COD	<16.1		16.1	35.0	1	07/08/2024 14:30	WG2318880

Wet Chemistry by Method 5310C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TOC (Total Organic Carbon)	3.85		0.270	0.700	1	07/08/2024 23:19	WG2316698

Wet Chemistry by Method SM4500NH3H

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Ammonia Nitrogen	0.231		0.0280	0.100	1	07/08/2024 18:38	WG2319185

Metals (ICP) by Method 200.7

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Aluminum	1.77		0.0353	0.500	1	07/05/2024 14:11	WG2317150
Antimony	<0.00242		0.00242	0.0250	1	07/05/2024 14:11	WG2317150
Arsenic	<0.00418		0.00418	0.0200	1	07/05/2024 14:11	WG2317150
Barium	0.125		0.000490	0.0100	1	07/05/2024 14:11	WG2317150
Beryllium	<0.000180		0.000180	0.00100	1	07/05/2024 14:11	WG2317150
Cadmium	0.0118		0.000350	0.00500	1	07/05/2024 14:11	WG2317150
Chromium	0.00217	J	0.000710	0.00700	1	07/05/2024 14:11	WG2317150
Copper	0.0246		0.00364	0.0200	1	07/05/2024 14:11	WG2317150
Iron	1.32		0.0303	0.500	1	07/05/2024 14:11	WG2317150

WASTE WATER PERMIT

Collected date/time: 07/02/24 10:40

SAMPLE RESULTS - 01

L1753160

Metals (ICP) by Method 200.7

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Lead	0.00729	L	0.00312	0.0100	1	07/05/2024 14:11	WG2317150
Magnesium	18.8		0.0434	1.00	1	07/05/2024 14:11	WG2317150
Nickel	0.00508	L	0.00358	0.0100	1	07/05/2024 14:11	WG2317150
Selenium	<0.00500		0.00500	0.0200	1	07/05/2024 14:11	WG2317150
Silver	<0.000990		0.000990	0.00500	1	07/05/2024 14:11	WG2317150
Thallium	<0.00775		0.00775	0.0200	1	07/05/2024 14:11	WG2317150
Zinc	0.165		0.0106	0.0250	1	07/05/2024 14:11	WG2317150

1 Cp
2 Tc
3 Ss
4 Cn

Volatile Organic Compounds (GC/MS) by Method 624.1

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	<0.00335		0.00335	0.00500	1	07/03/2024 19:06	WG2317230
1,1,2,2-Tetrachloroethane	<0.000596		0.000596	0.00500	1	07/03/2024 19:06	WG2317230
1,1,2-Trichloroethane	<0.00145		0.00145	0.00500	1	07/03/2024 19:06	WG2317230
1,1-Dichloroethane	<0.00292		0.00292	0.00500	1	07/03/2024 19:06	WG2317230
1,1-Dichloroethene	<0.00367		0.00367	0.00500	1	07/03/2024 19:06	WG2317230
1,2-Dibromoethane	<0.000403		0.000403	0.00200	1	07/03/2024 19:06	WG2317230
1,2-Dichlorobenzene	<0.00172		0.00172	0.00200	1	07/03/2024 19:06	WG2317230
1,2-Dichloroethane	<0.00195		0.00195	0.00500	1	07/03/2024 19:06	WG2317230
1,2-Dichloropropane	<0.000804		0.000804	0.00200	1	07/03/2024 19:06	WG2317230
1,3-Dichlorobenzene	<0.00419		0.00419	0.00500	1	07/03/2024 19:06	WG2317230
1,4-Dichlorobenzene	<0.00173		0.00173	0.00200	1	07/03/2024 19:06	WG2317230
2-Chloroethyl vinyl ether	<0.00652		0.00652	0.0100	1	07/03/2024 19:06	WG2317230
Acrolein	<0.00544		0.00544	0.0100	1	07/03/2024 19:06	WG2317230
Acrylonitrile	<0.00709		0.00709	0.0100	1	07/03/2024 19:06	WG2317230
Benzene	<0.00207		0.00207	0.00500	1	07/03/2024 19:06	WG2317230
Bromodichloromethane	<0.00179		0.00179	0.00200	1	07/03/2024 19:06	WG2317230
Bromoform	<0.000960		0.000960	0.0100	1	07/03/2024 19:06	WG2317230
Bromomethane	<0.00347		0.00347	0.00500	1	07/03/2024 19:06	WG2317230
Carbon tetrachloride	<0.00159		0.00159	0.00200	1	07/03/2024 19:06	WG2317230
Chlorobenzene	<0.00276		0.00276	0.0100	1	07/03/2024 19:06	WG2317230
Chloroethane	<0.00296		0.00296	0.00500	1	07/03/2024 19:06	WG2317230
Chloroform	<0.00212		0.00212	0.00500	1	07/03/2024 19:06	WG2317230
Chloromethane	<0.00361		0.00361	0.00500	1	07/03/2024 19:06	WG2317230
cis-1,2-Dichloroethene	<0.00113		0.00113	0.00500	1	07/03/2024 19:06	WG2317230
cis-1,3-Dichloropropene	<0.00492		0.00492	0.0100	1	07/03/2024 19:06	WG2317230
Dibromochloromethane	<0.00327		0.00327	0.00500	1	07/03/2024 19:06	WG2317230
Ethylbenzene	<0.000401		0.000401	0.00200	1	07/03/2024 19:06	WG2317230
Methylene Chloride	<0.0117		0.0117	0.0200	1	07/03/2024 19:06	WG2317230
2-Butanone (MEK)	<0.0129		0.0129	0.0250	1	07/03/2024 19:06	WG2317230
Tetrachloroethene	<0.00486		0.00486	0.0100	1	07/03/2024 19:06	WG2317230
Toluene	<0.00219		0.00219	0.00500	1	07/03/2024 19:06	WG2317230
Total 1,3-Dichloropropene	<0.00372		0.00372	0.0100	1	07/03/2024 19:06	WG2317230
trans-1,2-Dichloroethene	<0.00501		0.00501	0.0100	1	07/03/2024 19:06	WG2317230
trans-1,3-Dichloropropene	<0.00460		0.00460	0.00500	1	07/03/2024 19:06	WG2317230
Trichloroethene	<0.00262		0.00262	0.00500	1	07/03/2024 19:06	WG2317230
Vinyl chloride	<0.00466		0.00466	0.00500	1	07/03/2024 19:06	WG2317230
(S) 1,2-Dichloroethane-d4	92.3			70.0-130		07/03/2024 19:06	WG2317230
(S) 4-Bromofluorobenzene	94.1			70.0-130		07/03/2024 19:06	WG2317230
(S) Toluene-d8	99.5			70.0-130		07/03/2024 19:06	WG2317230

5 Sr
6 Qc
7 Gl
8 Al
9 Sc

WASTE WATER PERMIT

Collected date/time: 07/02/24 10:40

SAMPLE RESULTS - 01

L1753160

Polychlorinated Biphenyls (GC) by Method EPA-608.3

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
PCB 1016	<0.000300		0.000300	0.000555	1.11	07/08/2024 16:42	WG2318566
PCB 1221	<0.000300		0.000300	0.000555	1.11	07/08/2024 16:42	WG2318566
PCB 1232	<0.000300		0.000300	0.000555	1.11	07/08/2024 16:42	WG2318566
PCB 1242	<0.000300		0.000300	0.000555	1.11	07/08/2024 16:42	WG2318566
PCB 1248	<0.000192		0.000192	0.000555	1.11	07/08/2024 16:42	WG2318566
PCB 1254	<0.000192		0.000192	0.000555	1.11	07/08/2024 16:42	WG2318566
PCB 1260	<0.000192		0.000192	0.000555	1.11	07/08/2024 16:42	WG2318566
Total PCBs	<0.000192		0.000192	0.000555	1.11	07/08/2024 16:42	WG2318566
(S) Decachlorobiphenyl	65.1			10.0-144		07/08/2024 16:42	WG2318566
(S) Tetrachloro-m-xylene	81.8			10.0-135		07/08/2024 16:42	WG2318566

Semi Volatile Organic Compounds (GC/MS) by Method 625.1

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2,4,5-Tetrachlorobenzene	<0.00132		0.00132	0.00250	1	07/07/2024 15:09	WG2317770
1,2,4-Trichlorobenzene	<0.00159		0.00159	0.00250	1	07/07/2024 15:09	WG2317770
1,2-Dichlorobenzene	<0.00168		0.00168	0.00250	1	07/07/2024 15:09	WG2317770
1,3-Dichlorobenzene	<0.00170		0.00170	0.00250	1	07/07/2024 15:09	WG2317770
1,4-Dichlorobenzene	<0.00184		0.00184	0.00250	1	07/07/2024 15:09	WG2317770
2,2-Oxybis(1-Chloropropane)	<0.00116		0.00116	0.00250	1	07/07/2024 15:09	WG2317770
2,4,5-Trichlorophenol	<0.00193		0.00193	0.00250	1	07/07/2024 15:09	WG2317770
2,4,6-Trichlorophenol	<0.00179		0.00179	0.00250	1	07/07/2024 15:09	WG2317770
2,4-Dichlorophenol	<0.000820		0.000820	0.00250	1	07/07/2024 15:09	WG2317770
2,4-Dimethylphenol	<0.00142		0.00142	0.00500	1	07/07/2024 15:09	WG2317770
2,4-Dinitrophenol	<0.00115		0.00115	0.00500	1	07/07/2024 15:09	WG2317770
2,4-Dinitrotoluene	<0.00265		0.00265	0.00500	1	07/07/2024 15:09	WG2317770
2,6-Dichlorophenol	<0.00107		0.00107	0.00250	1	07/07/2024 15:09	WG2317770
2,6-Dinitrotoluene	<0.00181		0.00181	0.00500	1	07/07/2024 15:09	WG2317770
2-Chloronaphthalene	<0.00143		0.00143	0.00250	1	07/07/2024 15:09	WG2317770
2-Chlorophenol	<0.000820		0.000820	0.00250	1	07/07/2024 15:09	WG2317770
2-Methylphenol	<0.000760		0.000760	0.00500	1	07/07/2024 15:09	WG2317770
2-Nitrophenol	<0.00169		0.00169	0.00250	1	07/07/2024 15:09	WG2317770
3&4-Methyl Phenol	<0.000767		0.000767	0.00250	1	07/07/2024 15:09	WG2317770
3,3-Dichlorobenzidine	<0.00265		0.00265	0.00500	1	07/07/2024 15:09	WG2317770
4,6-Dinitro-2-methylphenol	<0.00150		0.00150	0.00500	1	07/07/2024 15:09	WG2317770
4-Bromophenyl-phenylether	<0.00104		0.00104	0.00250	1	07/07/2024 15:09	WG2317770
4-Chloro-3-methylphenol	<0.000865		0.000865	0.00250	1	07/07/2024 15:09	WG2317770
4-Chlorophenyl-phenylether	<0.00140		0.00140	0.00250	1	07/07/2024 15:09	WG2317770
4-Nitrophenol	<0.00164		0.00164	0.00500	1	07/07/2024 15:09	WG2317770
Acenaphthene	<0.00134		0.00134	0.00250	1	07/07/2024 15:09	WG2317770
Acenaphthylene	<0.00134		0.00134	0.00250	1	07/07/2024 15:09	WG2317770
Acetophenone	<0.000788		0.000788	0.00250	1	07/07/2024 15:09	WG2317770
Alpha-Terpineol	<0.000696		0.000696	0.00250	1	07/07/2024 15:09	WG2317770
Aniline	<0.000536		0.000536	0.00250	1	07/07/2024 15:09	WG2317770
Anthracene	<0.00111		0.00111	0.00250	1	07/07/2024 15:09	WG2317770
Atrazine	<0.00167		0.00167	0.00250	1	07/07/2024 15:09	WG2317770
Benzidine	<0.00311		0.00311	0.0100	1	07/07/2024 15:09	WG2317770
Benzo(a)anthracene	<0.000933		0.000933	0.00250	1	07/07/2024 15:09	WG2317770
Benzo(a)pyrene	<0.000941		0.000941	0.00250	1	07/07/2024 15:09	WG2317770
Benzo(b)fluoranthene	<0.00102		0.00102	0.00250	1	07/07/2024 15:09	WG2317770
Benzo(g,h,i)perylene	<0.00101		0.00101	0.00250	1	07/07/2024 15:09	WG2317770
Benzo(k)fluoranthene	<0.000934		0.000934	0.00250	1	07/07/2024 15:09	WG2317770
Benzoic acid	<0.00657		0.00657	0.0100	1	07/07/2024 15:09	WG2317770
Benzylbutyl phthalate	<0.00143		0.00143	0.00250	1	07/07/2024 15:09	WG2317770
Bis(2-chloroethoxy)methane	<0.000991		0.000991	0.00250	1	07/07/2024 15:09	WG2317770
Bis(2-chloroethyl)ether	<0.00101		0.00101	0.00250	1	07/07/2024 15:09	WG2317770

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

ACCOUNT:

Eagle Pass Hydro WW Plant

PROJECT:

PERMIT RENEWAL WK1

SDG:

L1753160

DATE/TIME:

09/26/24 12:54

PAGE:

8 of 61

WASTE WATER PERMIT

Collected date/time: 07/02/24 10:40

SAMPLE RESULTS - 01

L1753160

Semi Volatile Organic Compounds (GC/MS) by Method 625.1

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Bis(2-chloroisopropyl)ether	<0.00116		0.00116	0.00250	1	07/07/2024 15:09	WG2317770
Bis(2-Ethylhexyl)phthalate	<0.00318		0.00318	0.00500	1	07/07/2024 15:09	WG2317770
Carbazole	<0.00106		0.00106	0.00250	1	07/07/2024 15:09	WG2317770
Chrysene	<0.00102		0.00102	0.00250	1	07/07/2024 15:09	WG2317770
Di-n-butyl phthalate	<0.00120		0.00120	0.00250	1	07/07/2024 15:09	WG2317770
Di-n-octyl phthalate	<0.00174		0.00174	0.00250	1	07/07/2024 15:09	WG2317770
Dibenz(a,h)anthracene	<0.00110		0.00110	0.00250	1	07/07/2024 15:09	WG2317770
Dibenzofuran	<0.00120		0.00120	0.00250	1	07/07/2024 15:09	WG2317770
Diethyl phthalate	<0.000915		0.000915	0.00250	1	07/07/2024 15:09	WG2317770
Dimethyl phthalate	<0.000878		0.000878	0.00250	1	07/07/2024 15:09	WG2317770
Fluoranthene	<0.00114		0.00114	0.00250	1	07/07/2024 15:09	WG2317770
Fluorene	<0.00131		0.00131	0.00250	1	07/07/2024 15:09	WG2317770
Hexachloro-1,3-butadiene	<0.00176		0.00176	0.00250	1	07/07/2024 15:09	WG2317770
Hexachlorobenzene	<0.000972		0.000972	0.00250	1	07/07/2024 15:09	WG2317770
Hexachlorocyclopentadiene	<0.00117		0.00117	0.0100	1	07/07/2024 15:09	WG2317770
Hexachloroethane	<0.00188		0.00188	0.00250	1	07/07/2024 15:09	WG2317770
1,2-Diphenylhydrazine	<0.00124	<u>N2</u>	0.00124	0.00250	1	07/07/2024 15:09	WG2317770
Indeno(1,2,3-cd)pyrene	<0.000984		0.000984	0.00250	1	07/07/2024 15:09	WG2317770
Isophorone	<0.00183		0.00183	0.00250	1	07/07/2024 15:09	WG2317770
n-Decane	<0.00158		0.00158	0.00250	1	07/07/2024 15:09	WG2317770
n-Nitrosodi-n-butylamine	<0.000735		0.000735	0.00250	1	07/07/2024 15:09	WG2317770
n-Nitrosodi-n-propylamine	<0.00107		0.00107	0.00250	1	07/07/2024 15:09	WG2317770
n-Nitrosodiethylamine	<0.000925		0.000925	0.00250	1	07/07/2024 15:09	WG2317770
n-Nitrosodimethylamine	<0.000651		0.000651	0.00250	1	07/07/2024 15:09	WG2317770
n-Nitrosodiphenylamine	<0.000829		0.000829	0.00250	1	07/07/2024 15:09	WG2317770
n-Octadecane	<0.00128		0.00128	0.00250	1	07/07/2024 15:09	WG2317770
Naphthalene	<0.00200		0.00200	0.00250	1	07/07/2024 15:09	WG2317770
Nitrobenzene	<0.00124		0.00124	0.00250	1	07/07/2024 15:09	WG2317770
Nonylphenol	<0.00286		0.00286	0.00500	1	07/07/2024 15:09	WG2317770
Pentachlorobenzene	<0.00134		0.00134	0.00250	1	07/07/2024 15:09	WG2317770
Pentachlorophenol	<0.00210		0.00210	0.00500	1	07/07/2024 15:09	WG2317770
Phenanthrene	<0.00113		0.00113	0.00250	1	07/07/2024 15:09	WG2317770
Phenol	<0.000967		0.000967	0.00250	1	07/07/2024 15:09	WG2317770
Pyrene	<0.00115		0.00115	0.00250	1	07/07/2024 15:09	WG2317770
Pyridine	<0.00117		0.00117	0.00250	1	07/07/2024 15:09	WG2317770
Total Cresols	<0.00153		0.00153	0.00750	1	07/07/2024 15:09	WG2317770
(S) 2,4,6-Tribromophenol	68.2			29.0-132		07/07/2024 15:09	WG2317770
(S) 2-Fluorobiphenyl	66.9			26.0-102		07/07/2024 15:09	WG2317770
(S) 2-Fluorophenol	32.0			10.0-66.0		07/07/2024 15:09	WG2317770
(S) Nitrobenzene-d5	68.5			15.0-106		07/07/2024 15:09	WG2317770
(S) p-Terphenyl-d14	62.1			10.0-120		07/07/2024 15:09	WG2317770
(S) Phenol-D6	27.8			10.0-54.0		07/07/2024 15:09	WG2317770

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R4091581-1 07/08/24 14:15

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Total Dissolved Solids	<25.0		25.0	25.0

1 Cp

2 Tc

3 Ss

L1752603-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1752603-01 07/08/24 14:15 • (DUP) R4091581-3 07/08/24 14:15

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Total Dissolved Solids	1540	1550	1	1.10		10

4 Cn

5 Sr

L1752641-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1752641-01 07/08/24 14:15 • (DUP) R4091581-4 07/08/24 14:15

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Total Dissolved Solids	811	767	1	5.58		10

6 Qc

7 Gl

8 Al

Laboratory Control Sample (LCS)

(LCS) R4091581-2 07/08/24 14:15

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Total Dissolved Solids	2410	2450	102	85.0-115	

9 Sc

Method Blank (MB)

(MB) R4091978-1 07/09/24 17:06

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Suspended Solids	<2.50		2.50	2.50

1 Cp

2 Tc

3 Ss

L1753072-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1753072-01 07/09/24 17:06 • (DUP) R4091978-3 07/09/24 17:06

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Suspended Solids	735	778	1	5.62		10

4 Cn

5 Sr

L1753072-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1753072-02 07/09/24 17:06 • (DUP) R4091978-4 07/09/24 17:06

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Suspended Solids	1280	1150	1	10.7	J3	10

6 Qc

7 Gl

8 Al

Laboratory Control Sample (LCS)

(LCS) R4091978-2 07/09/24 17:06

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Suspended Solids	879	803	91.4	85.0-115	

9 Sc

Method Blank (MB)

(MB) R4092158-1 07/09/24 15:01

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Oil & Grease (Hexane Extr)	<0.350		0.350	5.00

¹Cp

²Tc

³Ss

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4092158-2 07/09/24 15:01 • (LCSD) R4092158-3 07/09/24 15:01

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Oil & Grease (Hexane Extr)	40.0	38.9	37.4	97.3	93.5	78.0-114			3.93	18

⁴Cn

⁵Sr

L1752148-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1752148-02 07/09/24 15:01 • (MS) R4092158-4 07/09/24 15:01

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Oil & Grease (Hexane Extr)	40.0	0.390	38.4	95.0	1	78.0-114	

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4089907-1 07/03/24 15:17

Analyte	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
	units		units	units
Color	<5.00		5.00	5.00

Sample Narrative:

BLANK: 7

L1753160-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1753160-01 07/03/24 15:17 • (DUP) R4089907-2 07/03/24 15:17

Analyte	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
	units	units		%		%
Color	10.0	10.0	1	0.000		20

Sample Narrative:

OS: 7

DUP: 7

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4091137-1 07/08/24 10:00

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Alkalinity	<20.0		20.0	20.0
Alkalinity,Bicarbonate	<20.0		20.0	20.0
Alkalinity,Carbonate	<20.0		20.0	20.0
Alkalinity,Hydroxide	<20.0		20.0	20.0
Phenolphthalein Alkalinity	<20.0		20.0	20.0

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1752833-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1752833-03 07/08/24 10:00 • (DUP) R4091137-3 07/08/24 10:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Alkalinity	106	106	1	0.000		20

L1753261-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1753261-02 07/08/24 10:00 • (DUP) R4091137-4 07/08/24 10:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Alkalinity	128	128	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4091137-2 07/08/24 10:00

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Alkalinity	250	240	96.0	90.0-110	

Method Blank (MB)

(MB) R4095207-1 07/17/24 13:20

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Chloride	<0.325		0.325	0.800
Fluoride	<0.0947		0.0947	0.500
Sulfate	<0.211		0.211	0.700

Laboratory Control Sample (LCS)

(LCS) R4095207-2 07/17/24 13:37

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/l	mg/l	%	%	
Chloride	5.00	5.29	106	90.0-110	
Fluoride	5.00	5.45	109	90.0-110	
Sulfate	5.00	5.48	110	90.0-110	

L1753186-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1753186-01 07/17/24 14:13 • (MS) R4095207-3 07/17/24 17:12 • (MSD) R4095207-4 07/17/24 17:30

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Fluoride	5.00	1.40	6.64	6.72	105	106	1	90.0-110			1.21	20

L1753186-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1753186-01 07/17/24 16:00 • (MS) R4095207-5 07/17/24 17:48 • (MSD) R4095207-6 07/17/24 18:06

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Chloride	5.00	1170	3980	3960	56300	55900	500	90.0-110	∇	∇	0.510	20
Sulfate	5.00	1720	4490	4490	55300	55300	500	90.0-110	∇	∇	0.00557	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4091983-1 07/09/24 18:13

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Chromium,Hexavalent	<0.00200		0.00200	0.00300

Laboratory Control Sample (LCS)

(LCS) R4091983-2 07/09/24 18:13

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Chromium,Hexavalent	0.200	0.208	104	85.0-115	

L1753160-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1753160-01 07/09/24 18:13 • (MS) R4091983-3 07/09/24 18:13 • (MSD) R4091983-4 07/09/24 18:13

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Chromium,Hexavalent	0.200	<0.00200	0.206	0.208	103	104	1	10.0-120			1.23	20

L1753186-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1753186-01 07/09/24 18:13 • (MS) R4091983-5 07/09/24 18:13 • (MSD) R4091983-6 07/09/24 18:13

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Chromium,Hexavalent	0.200	<0.00200	0.210	0.212	105	106	1	10.0-120			0.807	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4092470-1 07/10/24 13:21

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Kjeldahl Nitrogen, TKN	<0.140		0.140	0.250

Laboratory Control Sample (LCS)

(LCS) R4092470-2 07/10/24 13:23

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Kjeldahl Nitrogen, TKN	4.00	3.82	95.5	90.0-110	

L1753160-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1753160-01 07/10/24 13:30 • (MS) R4092470-3 07/10/24 13:40 • (MSD) R4092470-4 07/10/24 13:41

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Kjeldahl Nitrogen, TKN	4.00	0.281	4.91	5.16	116	122	1	90.0-110	J5	J5	4.97	20

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

(MB) R4089903-1 07/03/24 15:06

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	<0.0300		0.0300	0.0500
Nitrite	<0.0300		0.0300	0.0500

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4089903-2 07/03/24 15:07

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	2.50	2.62	105	90.0-110	
Nitrite	2.50	2.61	104	90.0-110	

L1753160-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1753160-01 07/03/24 15:22 • (MS) R4089903-3 07/03/24 15:25 • (MSD) R4089903-4 07/03/24 15:26

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	2.50	0.274	2.87	2.83	104	102	1	90.0-110			1.40	20
Nitrite	2.50	<0.0300	2.74	2.71	110	108	1	90.0-110			1.10	20

Method Blank (MB)

(MB) R4090705-1 07/05/24 17:50

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Cyanide	<0.00430		0.00430	0.0100

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4090705-2 07/05/24 17:50

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Cyanide	0.100	0.0896	89.6	85.0-115	

4 Cn

5 Sr

6 Qc

L1753073-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1753073-01 07/05/24 17:50 • (MS) R4090705-3 07/05/24 17:50 • (MSD) R4090705-4 07/05/24 17:50

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Cyanide	0.100	0.0205	0.0929	0.101	72.4	80.7	1	85.0-115	J6	J6	8.54	20

7 Gl

8 Al

9 Sc

L1753077-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1753077-01 07/05/24 17:50 • (MS) R4090705-5 07/05/24 17:50 • (MSD) R4090705-6 07/05/24 17:50

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Cyanide	0.100	0.00859	0.0936	0.0878	85.0	79.3	1	85.0-115		J6	6.35	20

Method Blank (MB)

(MB) R4091941-1 07/10/24 10:09

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Phosphorus,Total	<0.0152		0.0152	0.0500

Laboratory Control Sample (LCS)

(LCS) R4091941-2 07/10/24 10:09

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Phosphorus,Total	0.500	0.522	104	80.0-120	

L1753186-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1753186-01 07/10/24 10:09 • (MS) R4091941-3 07/10/24 10:11 • (MSD) R4091941-4 07/10/24 10:11

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Phosphorus,Total	0.500	2.51	2.70	2.79	38.4	55.9	5	80.0-120	<u>V</u>	<u>V</u>	3.18	20

L1753974-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1753974-01 07/10/24 10:10 • (MS) R4091941-5 07/10/24 10:11 • (MSD) R4091941-6 07/10/24 10:11

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Phosphorus,Total	0.500	0.0327	0.564	0.548	106	103	1	80.0-120			2.93	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4090977-1 07/08/24 08:30

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
BOD	<0.200		0.200	0.200

1 Cp

2 Tc

3 Ss

L1753091-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1753091-01 07/08/24 08:58 • (DUP) R4090977-3 07/08/24 09:34

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
BOD	12.2	12.2	1	0.0821		20

4 Cn

5 Sr

L1753165-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1753165-01 07/08/24 09:09 • (DUP) R4090977-4 07/08/24 09:39

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
BOD	7.53	7.36	1	2.28		20

6 Qc

7 Gl

8 Al

Laboratory Control Sample (LCS)

(LCS) R4090977-2 07/08/24 08:35

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
BOD	198	178	89.8	85-115	

9 Sc

Method Blank (MB)

(MB) R4091019-1 07/08/24 09:52

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
CBOD	<0.200		0.200	0.200

1 Cp

2 Tc

3 Ss

L1753220-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1753220-02 07/08/24 10:31 • (DUP) R4091019-3 07/08/24 11:03

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
CBOD	<1.00	<1.00	1	0		20

4 Cn

5 Sr

6 Qc

L1753305-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1753305-02 07/08/24 10:50 • (DUP) R4091019-4 07/08/24 11:06

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
CBOD	1.39	1.42	1	2.14		20

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4091019-2 07/08/24 09:57

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
CBOD	198	185	93.5	85-115	

Method Blank (MB)

(MB) R4091128-1 07/08/24 14:30

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
COD	<16.1		16.1	35.0

¹Cp

²Tc

³Ss

Laboratory Control Sample (LCS)

(LCS) R4091128-2 07/08/24 14:30

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
COD	500	501	100	80.0-120	

⁴Cn

⁵Sr

⁶Qc

L1752522-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1752522-01 07/08/24 14:30 • (MS) R4091128-3 07/08/24 14:30 • (MSD) R4091128-4 07/08/24 14:30

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
COD	500	78.2	558	570	95.9	98.4	1	80.0-120			2.25	20

⁷Gl

⁸Al

L1753541-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1753541-01 07/08/24 14:30 • (MS) R4091128-5 07/08/24 14:30 • (MSD) R4091128-6 07/08/24 14:30

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
COD	500	57.1	517	520	92.1	92.5	1	80.0-120			0.407	20

⁹Sc

Method Blank (MB)

(MB) R4091469-1 07/08/24 19:07

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TOC (Total Organic Carbon)	<0.270		0.270	0.700

Laboratory Control Sample (LCS)

(LCS) R4091469-2 07/08/24 19:27

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	10.0	10.4	104	90.0-110	

L1752833-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1752833-03 07/08/24 21:51 • (MS) R4091469-3 07/08/24 19:50 • (MSD) R4091469-4 07/08/24 20:14

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	10.0	2.06	14.7	14.6	126	126	1	80.0-120	<u>J5</u>	<u>J5</u>	0.478	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4091499-1 07/08/24 17:48

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Ammonia Nitrogen	<0.0280		0.0280	0.100

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4091499-2 07/08/24 17:50

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Ammonia Nitrogen	5.00	5.18	104	80.0-120	

4 Cn

5 Sr

6 Qc

L1752614-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1752614-01 07/08/24 18:11 • (MS) R4091499-3 07/08/24 17:52 • (MSD) R4091499-4 07/08/24 17:54

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Ammonia Nitrogen	5.00	0.0347	4.96	4.95	98.5	98.3	1	80.0-120			0.202	20

7 Gl

8 Al

L1752893-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1752893-01 07/08/24 18:20 • (MS) R4091499-5 07/08/24 17:55 • (MSD) R4091499-6 07/08/24 17:57

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Ammonia Nitrogen	5.00	0.234	5.18	5.19	98.9	99.1	1	80.0-120			0.193	20

9 Sc

Method Blank (MB)

(MB) R4090573-2 07/05/24 14:07

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Aluminum	<0.0353		0.0353	0.500
Antimony	<0.00242		0.00242	0.0250
Arsenic	<0.00418		0.00418	0.0200
Barium	<0.000490		0.000490	0.0100
Beryllium	<0.000180		0.000180	0.00100
Cadmium	<0.000350		0.000350	0.00500
Chromium	<0.000710		0.000710	0.00700
Copper	<0.00364		0.00364	0.0200
Iron	<0.0303		0.0303	0.500
Lead	<0.00312		0.00312	0.0100
Magnesium	<0.0434		0.0434	1.00
Nickel	<0.00358		0.00358	0.0100
Selenium	<0.00500		0.00500	0.0200
Silver	<0.000990		0.000990	0.00500
Thallium	<0.00775		0.00775	0.0200
Zinc	<0.0106		0.0106	0.0250

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4090573-1 07/05/24 14:04

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	10.0	9.91	99.1	85.0-115	
Antimony	1.00	0.994	99.4	85.0-115	
Arsenic	1.00	1.00	100	85.0-115	
Barium	1.00	0.976	97.6	85.0-115	
Beryllium	1.00	0.975	97.5	85.0-115	
Cadmium	1.00	0.992	99.2	85.0-115	
Chromium	1.00	1.00	100	85.0-115	
Copper	1.00	0.982	98.2	85.0-115	
Iron	10.0	9.99	99.9	85.0-115	
Lead	1.00	0.992	99.2	85.0-115	
Magnesium	10.0	9.97	99.7	85.0-115	
Nickel	1.00	1.00	100	85.0-115	
Selenium	1.00	0.993	99.3	85.0-115	
Silver	0.500	0.492	98.4	85.0-115	
Thallium	1.00	0.967	96.7	85.0-115	
Zinc	1.00	1.03	103	85.0-115	

L1753160-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1753160-01 07/05/24 14:11 • (MS) R4090573-3 07/05/24 14:15 • (MSD) R4090573-4 07/05/24 14:19

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aluminum	10.0	1.77	11.9	12.1	102	104	1	70.0-130			1.58	20
Antimony	1.00	<0.00242	0.993	1.02	99.3	102	1	70.0-130			2.50	20
Arsenic	1.00	<0.00418	1.01	1.03	101	103	1	70.0-130			1.67	20
Barium	1.00	0.125	1.09	1.12	96.8	99.5	1	70.0-130			2.44	20
Beryllium	1.00	<0.000180	0.970	0.988	97.0	98.8	1	70.0-130			1.89	20
Cadmium	1.00	0.0118	1.00	1.02	99.2	101	1	70.0-130			1.97	20
Chromium	1.00	0.00217	0.985	0.989	98.3	98.7	1	70.0-130			0.365	20
Copper	1.00	0.0246	1.01	1.02	98.0	99.1	1	70.0-130			1.09	20
Iron	10.0	1.32	11.2	11.4	98.6	101	1	70.0-130			1.77	20
Lead	1.00	0.00729	0.985	1.00	97.8	99.7	1	70.0-130			1.89	20
Magnesium	10.0	18.8	28.5	29.1	97.0	104	1	70.0-130			2.26	20
Nickel	1.00	0.00508	0.984	1.00	97.9	99.8	1	70.0-130			1.95	20
Selenium	1.00	<0.00500	0.987	1.01	98.7	101	1	70.0-130			2.68	20
Silver	0.500	<0.000990	0.497	0.503	99.4	101	1	70.0-130			1.24	20
Thallium	1.00	<0.00775	0.965	0.989	96.5	98.9	1	70.0-130			2.39	20
Zinc	1.00	0.165	1.16	1.19	99.6	102	1	70.0-130			2.13	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L1753186-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1753186-01 07/05/24 14:23 • (MS) R4090573-5 07/05/24 14:35 • (MSD) R4090573-6 07/05/24 14:39

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aluminum	10.0	0.0975	10.0	10.1	99.3	99.8	1	70.0-130			0.497	20
Antimony	1.00	<0.00242	1.00	1.02	100	102	1	70.0-130			1.58	20
Arsenic	1.00	0.0105	1.02	1.04	101	102	1	70.0-130			1.17	20
Barium	1.00	0.339	1.31	1.33	97.5	98.9	1	70.0-130			1.06	20
Beryllium	1.00	<0.000180	0.983	0.988	98.3	98.8	1	70.0-130			0.538	20
Cadmium	1.00	<0.000350	1.01	1.02	101	102	1	70.0-130			1.18	20
Chromium	1.00	0.00487	0.936	0.941	93.1	93.6	1	70.0-130			0.586	20
Copper	1.00	0.0187	1.01	1.02	99.0	101	1	70.0-130			1.48	20
Iron	10.0	1.78	11.6	11.7	98.0	98.7	1	70.0-130			0.603	20
Lead	1.00	0.00807	0.951	0.965	94.3	95.7	1	70.0-130			1.39	20
Magnesium	10.0	96.5	105	106	82.0	90.0	1	70.0-130			0.761	20
Nickel	1.00	0.0225	0.972	0.981	95.0	95.9	1	70.0-130			0.911	20
Selenium	1.00	<0.00500	1.02	1.04	102	104	1	70.0-130			1.65	20
Silver	0.500	<0.000990	0.513	0.518	103	104	1	70.0-130			0.931	20
Thallium	1.00	<0.00775	0.925	0.931	92.5	93.1	1	70.0-130			0.658	20
Zinc	1.00	0.0751	1.03	1.05	95.7	97.1	1	70.0-130			1.35	20

Method Blank (MB)

(MB) R4090920-2 07/03/24 15:49

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,1-Trichloroethane	<0.00335		0.00335	0.00500
1,1,2,2-Tetrachloroethane	<0.000596		0.000596	0.00500
1,1,2-Trichloroethane	<0.00145		0.00145	0.00500
1,1-Dichloroethane	<0.00292		0.00292	0.00500
1,1-Dichloroethene	<0.00367		0.00367	0.00500
1,2-Dibromoethane	<0.000403		0.000403	0.00200
1,2-Dichlorobenzene	<0.00172		0.00172	0.00200
1,2-Dichloroethane	<0.00195		0.00195	0.00500
1,2-Dichloropropane	<0.000804		0.000804	0.00200
1,3-Dichlorobenzene	<0.00419		0.00419	0.00500
1,4-Dichlorobenzene	<0.00173		0.00173	0.00200
2-Chloroethyl vinyl ether	<0.00652		0.00652	0.0100
Acrolein	<0.00544		0.00544	0.0100
Acrylonitrile	<0.00709		0.00709	0.0100
Benzene	<0.00207		0.00207	0.00500
Bromodichloromethane	<0.00179		0.00179	0.00200
Bromoform	<0.000960		0.000960	0.0100
Bromomethane	<0.00347		0.00347	0.00500
Carbon tetrachloride	<0.00159		0.00159	0.00200
Chlorobenzene	<0.00276		0.00276	0.0100
Chloroethane	<0.00296		0.00296	0.00500
Chloroform	<0.00212		0.00212	0.00500
Chloromethane	<0.00361		0.00361	0.00500
cis-1,2-Dichloroethene	<0.00113		0.00113	0.00500
cis-1,3-Dichloropropene	<0.00492		0.00492	0.0100
Dibromochloromethane	<0.00327		0.00327	0.00500
Ethylbenzene	<0.000401		0.000401	0.00200
Methylene Chloride	<0.0118		0.0118	0.0200
2-Butanone (MEK)	<0.0129		0.0129	0.0250
Tetrachloroethene	<0.00486		0.00486	0.0100
Toluene	<0.00219		0.00219	0.00500
Total 1,3-Dichloropropene	<0.00372		0.00372	0.0100
trans-1,2-Dichloroethene	<0.00501		0.00501	0.0100
trans-1,3-Dichloropropene	<0.00460		0.00460	0.00500
Trichloroethene	<0.00262		0.00262	0.00500
Vinyl chloride	<0.00466		0.00466	0.00500
(S) 1,2-Dichloroethane-d4	94.4			70.0-130
(S) 4-Bromofluorobenzene	95.5			70.0-130
(S) Toluene-d8	99.2			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4090920-1 07/03/24 14:54

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
1,1,1-Trichloroethane	0.0200	0.0199	99.5	70.0-130	
1,1,2,2-Tetrachloroethane	0.0200	0.0188	94.0	60.0-140	
1,1,2-Trichloroethane	0.0200	0.0197	98.5	70.0-130	
1,1-Dichloroethane	0.0200	0.0204	102	70.0-130	
1,1-Dichloroethene	0.0200	0.0198	99.0	50.0-150	
1,2-Dibromoethane	0.0200	0.0188	94.0	70.0-130	
1,2-Dichlorobenzene	0.0200	0.0210	105	65.0-135	
1,2-Dichloroethane	0.0200	0.0206	103	70.0-130	
1,2-Dichloropropane	0.0200	0.0188	94.0	35.0-165	
1,3-Dichlorobenzene	0.0200	0.0204	102	70.0-130	
1,4-Dichlorobenzene	0.0200	0.0198	99.0	65.0-135	
2-Chloroethyl vinyl ether	0.100	0.0757	75.7	1.00-225	
Acrolein	0.100	0.110	110	64.0-139	
Acrylonitrile	0.100	0.107	107	67.0-136	
Benzene	0.0200	0.0195	97.5	65.0-135	
Bromodichloromethane	0.0200	0.0202	101	65.0-135	
Bromoform	0.0200	0.0221	111	70.0-130	
Bromomethane	0.0200	0.0277	139	15.0-185	
Carbon tetrachloride	0.0200	0.0204	102	70.0-130	
Chlorobenzene	0.0200	0.0198	99.0	65.0-135	
Chloroethane	0.0200	0.0214	107	40.0-160	
Chloroform	0.0200	0.0210	105	70.0-135	
Chloromethane	0.0200	0.0170	85.0	1.00-205	
cis-1,2-Dichloroethene	0.0200	0.0204	102	70.0-130	
cis-1,3-Dichloropropene	0.0200	0.0181	90.5	25.0-175	
Dibromochloromethane	0.0200	0.0202	101	70.0-135	
Ethylbenzene	0.0200	0.0200	100	60.0-140	
Methylene Chloride	0.0200	0.0187	93.5	60.0-140	U
2-Butanone (MEK)	0.100	0.118	118	70.0-130	
Tetrachloroethene	0.0200	0.0186	93.0	70.0-130	
Toluene	0.0200	0.0201	101	70.0-130	
Total 1,3-Dichloropropene	0.0401	0.0353	88.0	70.0-130	
trans-1,2-Dichloroethene	0.0200	0.0207	104	70.0-130	
trans-1,3-Dichloropropene	0.0200	0.0172	86.0	50.0-150	
Trichloroethene	0.0200	0.0201	101	65.0-135	
Vinyl chloride	0.0200	0.0206	103	5.00-195	
(S) 1,2-Dichloroethane-d4			95.8	70.0-130	
(S) 4-Bromofluorobenzene			93.2	70.0-130	
(S) Toluene-d8			99.6	70.0-130	

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L1752758-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1752758-04 07/03/24 16:38 • (MS) R4090920-3 07/03/24 17:03 • (MSD) R4090920-4 07/03/24 17:27

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,1,1-Trichloroethane	0.0200	<0.00335	0.0203	0.0212	102	106	1	52.0-162			4.34	36
1,1,2,2-Tetrachloroethane	0.0200	<0.000596	0.0189	0.0204	94.5	102	1	46.0-157			7.63	61
1,1,2-Trichloroethane	0.0200	<0.00145	0.0192	0.0210	96.0	105	1	52.0-150			8.96	45
1,1-Dichloroethane	0.0200	<0.00292	0.0212	0.0219	106	110	1	59.0-155			3.25	40
1,1-Dichloroethene	0.0200	<0.00367	0.0214	0.0208	107	104	1	1.00-234			2.84	32
1,2-Dibromoethane	0.0200	<0.000403	0.0188	0.0203	94.0	102	1	70.0-130			7.67	20
1,2-Dichlorobenzene	0.0200	<0.00172	0.0209	0.0227	105	114	1	18.0-190			8.26	57
1,2-Dichloroethane	0.0200	<0.00195	0.0207	0.0224	104	112	1	49.0-155			7.89	49
1,2-Dichloropropane	0.0200	<0.000804	0.0186	0.0194	93.0	97.0	1	1.00-210			4.21	55
1,3-Dichlorobenzene	0.0200	<0.00419	0.0198	0.0216	99.0	108	1	59.0-156			8.70	43
1,4-Dichlorobenzene	0.0200	<0.00173	0.0195	0.0217	97.5	109	1	18.0-190			10.7	57
2-Chloroethyl vinyl ether	0.100	<0.00652	<0.00652	<0.00652	0.000	0.000	1	1.00-305	J6	J6	0.000	71
Acrolein	0.100	<0.00544	0.0967	0.103	96.7	103	1	4.00-172			6.31	20
Acrylonitrile	0.100	<0.00709	0.102	0.109	102	109	1	22.0-189			6.64	20
Benzene	0.0200	<0.00207	0.0206	0.0209	103	105	1	37.0-151			1.45	61
Bromodichloromethane	0.0200	0.0291	0.0506	0.0576	107	143	1	35.0-155			12.9	56
Bromoform	0.0200	<0.000960	0.0225	0.0277	113	139	1	70.0-130		J5	20.7	42
Bromomethane	0.0200	<0.00347	0.0240	0.0284	120	142	1	15.0-185			16.8	61
Carbon tetrachloride	0.0200	<0.00159	0.0221	0.0252	111	126	1	70.0-140			13.1	41
Chlorobenzene	0.0200	<0.00276	0.0197	0.0208	98.5	104	1	37.0-160			5.43	53
Chloroethane	0.0200	<0.00296	0.0198	0.0214	99.0	107	1	14.0-230			7.77	78
Chloroform	0.0200	0.106	0.131	0.139	125	165	1	51.0-138		V	5.93	54
Chloromethane	0.0200	<0.00361	0.0151	0.0157	75.5	78.5	1	1.00-273			3.90	20
cis-1,2-Dichloroethene	0.0200	<0.00113	0.0214	0.0227	107	114	1	70.0-130			5.90	20
cis-1,3-Dichloropropene	0.0200	<0.00492	0.0182	0.0200	91.0	100	1	1.00-227			9.42	58
Dibromochloromethane	0.0200	0.00425	0.0239	0.0294	98.3	126	1	53.0-149			20.6	50
Ethylbenzene	0.0200	<0.000401	0.0206	0.0213	103	106	1	37.0-162			3.34	63
Methylene Chloride	0.0200	<0.0118	0.0193	0.0209	96.5	105	1	1.00-221	J		7.96	28
2-Butanone (MEK)	0.100	<0.0129	0.0794	0.0811	79.4	81.1	1	70.0-130			2.12	20
Tetrachloroethene	0.0200	<0.00486	0.0190	0.0185	95.0	92.5	1	64.0-148			2.67	39
Toluene	0.0200	<0.00219	0.0208	0.0212	104	106	1	47.0-150			1.90	41
Total 1,3-Dichloropropene	0.0401	<0.00372	0.0357	0.0406	89.0	101	1	70.0-130			12.8	20
trans-1,2-Dichloroethene	0.0200	<0.00501	0.0216	0.0224	108	112	1	54.0-156			3.64	45
trans-1,3-Dichloropropene	0.0200	<0.00460	0.0175	0.0206	87.5	103	1	17.0-183			16.3	86
Trichloroethene	0.0200	<0.00262	0.0212	0.0218	106	109	1	70.0-157			2.79	48
Vinyl chloride	0.0200	<0.00466	0.0201	0.0204	101	102	1	1.00-251			1.48	66
(S) 1,2-Dichloroethane-d4					100	101		70.0-130				
(S) 4-Bromofluorobenzene					91.3	92.1		70.0-130				
(S) Toluene-d8					100	100		70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4091290-1 07/08/24 15:27

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
PCB 1016	<0.000270		0.000270	0.000500
PCB 1221	<0.000270		0.000270	0.000500
PCB 1232	<0.000270		0.000270	0.000500
PCB 1242	<0.000270		0.000270	0.000500
PCB 1248	<0.000173		0.000173	0.000500
PCB 1254	<0.000173		0.000173	0.000500
PCB 1260	<0.000173		0.000173	0.000500
Total PCBs	<0.000173		0.000173	0.000500
(S) Decachlorobiphenyl	79.9			10.0-144
(S) Tetrachloro-m-xylene	91.7			10.0-135

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Laboratory Control Sample (LCS)

(LCS) R4091290-5 07/08/24 15:52

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.00250	0.00260	104	50.0-140	
PCB 1260	0.00250	0.00208	83.2	8.00-140	
(S) Decachlorobiphenyl			16.3	10.0-144	
(S) Tetrachloro-m-xylene			94.3	10.0-135	

Method Blank (MB)

(MB) R4090884-1 07/07/24 12:11

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,2,4,5-Tetrachlorobenzene	<0.00132		0.00132	0.00250
1,2,4-Trichlorobenzene	<0.00159		0.00159	0.00250
1,2-Dichlorobenzene	<0.00168		0.00168	0.00250
1,3-Dichlorobenzene	<0.00170		0.00170	0.00250
1,4-Dichlorobenzene	<0.00184		0.00184	0.00250
2,2-Oxybis(1-Chloropropane)	<0.00116		0.00116	0.00250
2,4,5-Trichlorophenol	<0.00193		0.00193	0.00250
2,4,6-Trichlorophenol	<0.00179		0.00179	0.00250
2,4-Dichlorophenol	<0.000820		0.000820	0.00250
2,4-Dimethylphenol	<0.00142		0.00142	0.00500
2,4-Dinitrophenol	<0.00115		0.00115	0.00500
2,4-Dinitrotoluene	<0.00265		0.00265	0.00500
2,6-Dichlorophenol	<0.00107		0.00107	0.00250
2,6-Dinitrotoluene	<0.00181		0.00181	0.00500
2-Chloronaphthalene	<0.00143		0.00143	0.00250
2-Chlorophenol	<0.000820		0.000820	0.00250
2-Methylphenol	<0.000760		0.000760	0.00500
2-Nitrophenol	<0.00169		0.00169	0.00250
3&4-Methyl Phenol	<0.000767		0.000767	0.00250
3,3-Dichlorobenzidine	<0.00265		0.00265	0.00500
4,6-Dinitro-2-methylphenol	<0.00150		0.00150	0.00500
4-Bromophenyl-phenylether	<0.00104		0.00104	0.00250
4-Chloro-3-methylphenol	<0.000865		0.000865	0.00250
4-Chlorophenyl-phenylether	<0.00140		0.00140	0.00250
4-Nitrophenol	<0.00164		0.00164	0.00500
Acenaphthene	<0.00134		0.00134	0.00250
Acenaphthylene	<0.00134		0.00134	0.00250
Acetophenone	<0.000788		0.000788	0.00250
Alpha-Terpineol	<0.000696		0.000696	0.00250
Aniline	<0.000536		0.000536	0.00250
Anthracene	<0.00111		0.00111	0.00250
Atrazine	<0.00167		0.00167	0.00250
Benzidine	<0.00311		0.00311	0.0100
Benzo(a)anthracene	<0.000933		0.000933	0.00250
Benzo(a)pyrene	<0.000941		0.000941	0.00250
Benzo(b)fluoranthene	<0.00102		0.00102	0.00250
Benzo(g,h,i)perylene	<0.00101		0.00101	0.00250
Benzo(k)fluoranthene	<0.000934		0.000934	0.00250
Benzoic acid	<0.00657		0.00657	0.0100
Benzylbutyl phthalate	<0.00143		0.00143	0.00250

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4090884-1 07/07/24 12:11

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Bis(2-chlorethoxy)methane	<0.000991		0.000991	0.00250
Bis(2-chloroethyl)ether	<0.00101		0.00101	0.00250
Bis(2-chloroisopropyl)ether	<0.00116		0.00116	0.00250
Bis(2-Ethylhexyl)phthalate	<0.00318		0.00318	0.00500
Carbazole	<0.00106		0.00106	0.00250
Chrysene	<0.00102		0.00102	0.00250
Di-n-butyl phthalate	<0.00120		0.00120	0.00250
Di-n-octyl phthalate	<0.00174		0.00174	0.00250
Dibenz(a,h)anthracene	<0.00110		0.00110	0.00250
Dibenzofuran	<0.00120		0.00120	0.00250
Diethyl phthalate	<0.000915		0.000915	0.00250
Dimethyl phthalate	<0.000878		0.000878	0.00250
Fluoranthene	<0.00114		0.00114	0.00250
Fluorene	<0.00131		0.00131	0.00250
Hexachloro-1,3-butadiene	<0.00176		0.00176	0.00250
Hexachlorobenzene	<0.000972		0.000972	0.00250
Hexachlorocyclopentadiene	<0.00117		0.00117	0.0100
Hexachloroethane	<0.00188		0.00188	0.00250
1,2-Diphenylhydrazine	<0.00124	N2	0.00124	0.00250
Indeno(1,2,3-cd)pyrene	<0.000984		0.000984	0.00250
Isophorone	<0.00183		0.00183	0.00250
n-Decane	<0.00158		0.00158	0.00250
n-Nitrosodi-n-butylamine	<0.000735		0.000735	0.00250
n-Nitrosodi-n-propylamine	<0.00107		0.00107	0.00250
n-Nitrosodiethylamine	<0.000925		0.000925	0.00250
n-Nitrosodimethylamine	<0.000651		0.000651	0.00250
n-Nitrosodiphenylamine	<0.000829		0.000829	0.00250
n-Octadecane	<0.00128		0.00128	0.00250
Naphthalene	<0.00200		0.00200	0.00250
Nitrobenzene	<0.00124		0.00124	0.00250
Nonylphenol	<0.00286		0.00286	0.00500
Pentachlorobenzene	<0.00134		0.00134	0.00250
Pentachlorophenol	<0.00210		0.00210	0.00500
Phenanthrene	<0.00113		0.00113	0.00250
Phenol	<0.000967		0.000967	0.00250
Pyrene	<0.00115		0.00115	0.00250
Pyridine	<0.00117		0.00117	0.00250
Total Cresols	<0.00153		0.00153	0.00750
(S) 2,4,6-Tribromophenol	81.6			29.0-132
(S) 2-Fluorobiphenyl	83.3			26.0-102

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4090884-1 07/07/24 12:11

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
(S) 2-Fluorophenol	49.6			10.0-66.0
(S) Nitrobenzene-d5	82.5			15.0-106
(S) p-Terphenyl-d14	93.9			10.0-120
(S) Phenol-d6	42.5			10.0-54.0

Laboratory Control Sample (LCS)

(LCS) R4090884-2 07/07/24 12:40

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,2,4,5-Tetrachlorobenzene	0.0500	0.0304	60.8	31.0-120	
1,2,4-Trichlorobenzene	0.0500	0.0329	65.8	44.0-142	
1,2-Dichlorobenzene	0.0500	0.0311	62.2	27.0-120	
1,3-Dichlorobenzene	0.0500	0.0295	59.0	26.0-120	
1,4-Dichlorobenzene	0.0500	0.0284	56.8	26.0-120	
2,2-Oxybis(1-Chloropropane)	0.0500	0.0356	71.2	36.0-166	
2,4,5-Trichlorophenol	0.0500	0.0387	77.4	44.0-124	
2,4,6-Trichlorophenol	0.0500	0.0395	79.0	37.0-144	
2,4-Dichlorophenol	0.0500	0.0392	78.4	39.0-135	
2,4-Dimethylphenol	0.0500	0.0526	105	32.0-120	
2,4-Dinitrophenol	0.0500	0.0372	74.4	1.00-191	
2,4-Dinitrotoluene	0.0500	0.0411	82.2	39.0-139	
2,6-Dichlorophenol	0.0500	0.0377	75.4	26.0-120	
2,6-Dinitrotoluene	0.0500	0.0407	81.4	50.0-158	
2-Chloronaphthalene	0.0500	0.0393	78.6	60.0-120	
2-Chlorophenol	0.0500	0.0340	68.0	23.0-134	
2-Methylphenol	0.0500	0.0331	66.2	26.0-120	
2-Nitrophenol	0.0500	0.0339	67.8	29.0-182	
3&4-Methyl Phenol	0.0500	0.0312	62.4	27.0-120	
3,3-Dichlorobenzidine	0.100	0.0667	66.7	1.00-262	
4,6-Dinitro-2-methylphenol	0.0500	0.0388	77.6	1.00-181	
4-Bromophenyl-phenylether	0.0500	0.0413	82.6	53.0-127	
4-Chloro-3-methylphenol	0.0500	0.0366	73.2	22.0-147	
4-Chlorophenyl-phenylether	0.0500	0.0392	78.4	25.0-158	
4-Nitrophenol	0.0500	0.0238	47.6	1.00-132	
Acenaphthene	0.0500	0.0359	71.8	47.0-145	
Acenaphthylene	0.0500	0.0380	76.0	33.0-145	
Acetophenone	0.0500	0.0383	76.6	28.0-120	
Alpha-Terpineol	0.0500	0.0364	72.8	30.0-120	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4090884-2 07/07/24 12:40

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Aniline	0.0500	0.0327	65.4	10.0-120	
Anthracene	0.0500	0.0406	81.2	27.0-133	
Atrazine	0.0500	0.0436	87.2	39.0-141	
Benzidine	0.100	0.0561	56.1	1.00-120	
Benzo(a)anthracene	0.0500	0.0415	83.0	33.0-143	
Benzo(a)pyrene	0.0500	0.0455	91.0	17.0-163	
Benzo(b)fluoranthene	0.0500	0.0422	84.4	24.0-159	
Benzo(g,h,i)perylene	0.0500	0.0433	86.6	1.00-219	
Benzo(k)fluoranthene	0.0500	0.0444	88.8	11.0-162	
Benzoic acid	0.100	0.0292	29.2	10.0-120	
Benzylbutyl phthalate	0.0500	0.0426	85.2	1.00-152	
Bis(2-chlorethoxy)methane	0.0500	0.0406	81.2	1.00-219	
Bis(2-chloroethyl)ether	0.0500	0.0355	71.0	33.0-185	
Bis(2-chloroisopropyl)ether	0.0500	0.0356	71.2	36.0-166	
Bis(2-Ethylhexyl)phthalate	0.0500	0.0430	86.0	8.00-158	
Carbazole	0.0500	0.0483	96.6	45.0-121	
Chrysene	0.0500	0.0427	85.4	17.0-168	
Di-n-butyl phthalate	0.0500	0.0433	86.6	1.00-120	
Di-n-octyl phthalate	0.0500	0.0421	84.2	4.00-146	
Dibenz(a,h)anthracene	0.0500	0.0428	85.6	1.00-227	
Dibenzofuran	0.0500	0.0379	75.8	42.0-120	
Diethyl phthalate	0.0500	0.0399	79.8	1.00-120	
Dimethyl phthalate	0.0500	0.0408	81.6	1.00-120	
Fluoranthene	0.0500	0.0418	83.6	26.0-137	
Fluorene	0.0500	0.0396	79.2	59.0-121	
Hexachloro-1,3-butadiene	0.0500	0.0331	66.2	24.0-120	
Hexachlorobenzene	0.0500	0.0401	80.2	1.00-152	
Hexachlorocyclopentadiene	0.0500	0.0381	76.2	10.0-120	
Hexachloroethane	0.0500	0.0293	58.6	40.0-120	
1,2-Diphenylhydrazine	0.0500	0.0385	77.0	37.0-125	<u>N2</u>
Indeno(1,2,3-cd)pyrene	0.0500	0.0403	80.6	1.00-171	
Isophorone	0.0500	0.0393	78.6	21.0-196	
n-Decane	0.0500	0.0248	49.6	10.0-127	
n-Nitrosodi-n-butylamine	0.0500	0.0361	72.2	39.0-127	
n-Nitrosodi-n-propylamine	0.0500	0.0385	77.0	1.00-230	
n-Nitrosodiethylamine	0.0500	0.0369	73.8	10.0-142	
n-Nitrosodimethylamine	0.0500	0.0209	41.8	10.0-120	
n-Nitrosodiphenylamine	0.0500	0.0386	77.2	44.0-120	
n-Octadecane	0.0500	0.0384	76.8	17.0-126	
Naphthalene	0.0500	0.0347	69.4	21.0-133	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4090884-2 07/07/24 12:40

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Nitrobenzene	0.0500	0.0376	75.2	35.0-180	
Nonylphenol	0.0500	0.0409	81.8	57.0-136	
Pentachlorobenzene	0.0500	0.0370	74.0	10.0-151	
Pentachlorophenol	0.0500	0.0502	100	14.0-176	
Phenanthrene	0.0500	0.0399	79.8	54.0-120	
Phenol	0.0500	0.0200	40.0	5.00-120	
Pyrene	0.0500	0.0399	79.8	52.0-120	
Pyridine	0.0500	0.0143	28.6	10.0-120	
Total Cresols	0.100	0.0643	64.3	36.0-110	
<i>(S) 2,4,6-Tribromophenol</i>			86.2	29.0-132	
<i>(S) 2-Fluorobiphenyl</i>			75.0	26.0-102	
<i>(S) 2-Fluorophenol</i>			47.1	10.0-66.0	
<i>(S) Nitrobenzene-d5</i>			76.7	15.0-106	
<i>(S) p-Terphenyl-d14</i>			82.5	10.0-120	
<i>(S) Phenol-d6</i>			39.4	10.0-54.0	

- ¹Cp
- ²Tc
- ³Ss
- ⁴Cn
- ⁵Sr
- ⁶Qc
- ⁷Gl
- ⁸Al
- ⁹Sc

GLOSSARY OF TERMS

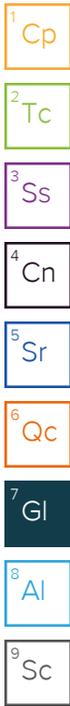
Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.



Qualifier Description

J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
N2	Analyte reported using a calibration and validation based on Azobenzene (CAS 103-33-3). 1,2-Diphenylhydrazine decomposes into Azobenzene during the analysis.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

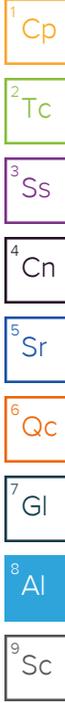
Pace Analytical Services, LLC -Dallas 400 W. Bethany Drive Suite 190 Allen, TX 75013

Arkansas	88-0647	Kansas	E10388
Florida	E871118	Texas	T104704232-23-39
Iowa	408	Oklahoma	8727
Louisiana	30686		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Company Name/Address: Eagle Pass Hydro WW Plant 1622 Maverick Industrial Park Rd. Eagle Pass, TX 78852		Billing Information: Eagle Pass Hydro WW Plant 1622 Maverick Industrial Park Rd. Eagle Pass, TX 78852		Pres Chk	Analysis / Container / Preservative										Chain of Custody Page ___ of ___
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Report to: Joe Martinez		Email To: maverickcid1@gmail.com		Project Description: <i>Waste Water</i>		City/State Collected: <i>Eagle Pass TX</i>	Please Circle: PT MT CT ET		 ALLEN, TX 400 W. Bethany Drive Suite 190 Allen, TX 75013 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubs/pas-standard-terms.pdf									
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Phone: 830-773-2011	Client Project # PERMIT RENEWAL WK1	Lab Project #		608.3PCB ONLY 100ml Amb-NoPres ALLCR6 50ml Tube/plungerPres ALLOGHEX 1L-Amb-Add HCl ALLPHOS 500mlHDPE-Add H2SO4 ALLSUBLLHG 250mlClr ALLSV625.1 1L-Amb-No Pres ALLTOC 250mlAmb-H2SO4 ALLTSS 1L-HDPE-NoPres ALLV624.1 40mlClr-HCl Alk, Anions 125mlHDPE-NoPres												
Collected by (print): <i>Rene Herrera</i>	Site/Facility ID # <i>S-P-H</i>	P.O. #														
Collected by (signature):	Rush? (Lab MUST Be Notified)		Quote #		SDG # <i>1753160</i> Table # Acctnum: EAGPASEPTX Template: T255729 Prelogin: P1086494 PM: 3587 - Lori A Vahrenkamp PB: Shipped Via: FedEX Ground											
Immediately Packed on Ice N ___ Y <input checked="" type="checkbox"/>	<input type="checkbox"/> Same Day <input type="checkbox"/> Five Day <input type="checkbox"/> Next Day <input type="checkbox"/> 5 Day (Rad Only) <input type="checkbox"/> Two Day <input type="checkbox"/> 10 Day (Rad Only) <input type="checkbox"/> Three Day		Date Results Needed													
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Remarks									

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	608.3PCB ONLY 100ml Amb-NoPres	ALLCR6 50ml Tube/plungerPres	ALLOGHEX 1L-Amb-Add HCl	ALLPHOS 500mlHDPE-Add H2SO4	ALLSUBLLHG 250mlClr	ALLSV625.1 1L-Amb-No Pres	ALLTOC 250mlAmb-H2SO4	ALLTSS 1L-HDPE-NoPres	ALLV624.1 40mlClr-HCl	Alk, Anions 125mlHDPE-NoPres	Remarks	Sample # (lab only)
WW PERMIT	-	WW	-	7-2-24	10:40am	20	X	X	X	X	X	X	X	X	X	X		01
<i>Waste Water</i>																		

* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other	Remarks:	pH _____ Temp _____ Flow _____ Other _____	Sample Receipt Checklist COC Seal Present/Intact: ___ NP ___ Y ___ N COC Signed/Accurate: ___ Y ___ N Bottles arrive intact: ___ Y ___ N Correct bottles used: ___ Y ___ N Sufficient volume sent: ___ Y ___ N If Applicable VOA Zero HeadSpace: ___ Y ___ N Preservation Correct/Checked: ___ Y ___ N RAD Screen <0.5 mR/hr: ___ Y ___ N
Samples returned via: ___ UPS ___ FedEx ___ Courier	Tracking # <i>7387 0566 1230</i>		

Relinquished by: (Signature) <i>Rene Herrera</i>	Date: <i>7/2-24</i>	Time: <i>10:40am</i>	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeOH TBR
Relinquished by: (Signature) <i>FedEx</i>	Date: <i>7/3/24</i>	Time: <i>0920</i>	Received by: (Signature) <i>Allyson Kelly</i>	Temp: °C Bottles Received: <i>7/3/24 0920</i>
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time: Hold: Condition: NCF / OK

ORIGIN ID: VCTA (361) 446-0565
LORI VAHRENKAMP
PACE VICTORIA
1606 E. BRAZOS ST. STE. D

VICTORIA, TX 77901
UNITED STATES US

SHIP DATE: 28JUN24
ACTWT: 50.00 LB MAN
CAD: 09172267CAFE3808

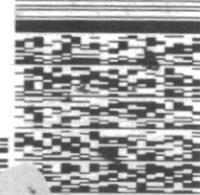
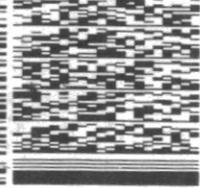
BILL SENDER

TO: SAMPLE F. NG

PACE ST 11
400 W
SUITE

ALLEN
(972) 727-1123
INV.
PO.

RT 426
5 10:30
D 1230
07.03



FedEx

TRK# 7387 0566 1230

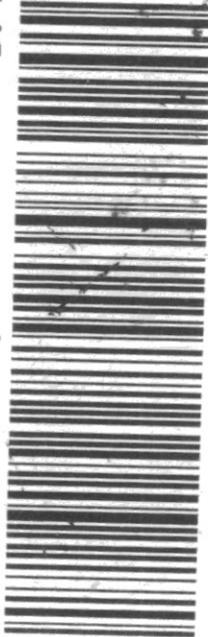
0201

AD DNEA

WED - 03 JUL AA
PRIORITY OVERNIGHT

75013

TX-US
DFW



3994594 02Jul2024 DRTA 581G3/2614/0088

585C5/B21D/C6C4

J241823112281U



DC#_Title: ENV-FRM-ALLE-0017 v15_Sample Condition Upon Receipt

Effective Date: 12/18/2023

Sample Condition Upon Receipt

Dallas Ft Worth Corpus Christi Austin

Client Name: Eagle Pass Hydroplant Project Work order (place label):

Courier: FedEX UPS USPS Client LSO PACE Other:

Tracking #: 9387 0546 1230

Custody Seal on Cooler/Box: Yes No

Received on ice: Wet Blue No ice

Receiving Lab 1 Thermometer Used: 1119

Cooler Temp °C: 21.4 (Recorded) 10.1 (Correction Factor) 21.7 (Actual)

Receiving Lab 2 Thermometer Used: _____ Cooler Temp °C: _____ (Recorded) _____ (Correction Factor) _____ (Actual)

Chain of Custody relinquished	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Sampler name & signature on COC	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Short HT analyses (<72 hrs)	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

Temperature should be above freezing to 6°C unless collected same day as receipt in which evidence of cooling is acceptable.

Triage Person: Ab Date: 1/9/24

Sufficient Volume received	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Correct Container used	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Container Intact	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Sample pH Acceptable	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>
pH Strips: <u>6402007</u>	
Residual Chlorine Present	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA <input type="checkbox"/>
Cl Strips: <u>14806</u>	
Sulfide Present	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA <input type="checkbox"/>
Lead Acetate Strips: <u>14802</u>	
Are soil samples (volatiles, TPH) received in 5035A Kits (not applicable to TCLP VOA or PST Program TPH)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/>
Unpreserved 5035A soil frozen within 48 hrs	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/>
Headspace in VOA (>6mm)	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>
Project sampled in USDA Regulated Area outside of Texas	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/>
State Sampled: _____	
Non-Conformance(s):	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

Login Person: QC Date: 7/3

Labeling Person (if different than log-in): _____ Date: _____

Time estimate: oh

Time spent: oh

Members

 OC Olivia Currie (responsible)


Lori Vahrenkamp

1. If Chain-of-custody (COC) is not received: contact client and if necessary, fill out a COC and indicate that it was filled out by lab personnel. Note issues on this NCF.
2. If COC is incomplete, check applicable issues below and add details where appropriate:
- *Collection date/time missing or incorrect
 - *Analyses or analytes: missing or Clarification needed
 - *Samples listed on COC do not match samples recieved (missing, additional, etc.)
 - *Sample IDs on COC do not match sample Labels
 - *Required trip blanks were not received
 - *Required signatures are missing
3. Sample integrity issues: check applicable issues below and add details where appropriate:
- *Samples: Past holding time
 - *Samples: Not Field Filtered
 - *samples: Insufficient volume received
 - *Samples: Cooler damaged or compromised
 - *Samples: contain Chlorine or Sulfide
 - *Samples: condition needs to be brought to lab personnel's attention (details below)
 - *Containers: Broken or compromised
 - *Containers: Incorrect
 - *Custody Seals: missing or compromised on samples, trip blanks or coolers
 - *Packing Material: Insufficient/Improper
 - *Preservation: improper
 - *Temperature: not within acceptance criteria (typically 0-6C)
 - *Temperature: Samples arrived frozen
 - *Vials received with improper headspace
 - *Other:
4. If Samples not preserved properly and Sample Receiving adjusts pH, add details below:
- Sample ID: _____
- Preserved by: _____
- Date/Time: _____
- Initial and Final pH: _____
- Amount/type pres added: _____
- Lot # of Pres added: _____
5. Client contact: If Client is Contacted for any issue listed above, fill in details below:
- Client: _____
- PM Initials: _____
- Contacted per: _____
- Date/Time: _____

Comments

Olivia Currie

3 July 2024 2:52 PM

Received OOT at 21.7 Deg C, insufficient ice/melted in shipment
3 of 3 vials received with headspace

Lori Vahrenkamp

5 July 2024 1:58 PM

Proceed with requested analyses.

Time estimate: oh

Time spent: oh

Members

 Olivia Currie (responsible)

Lori Vahrenkamp

1. If Chain-of-custody (COC) is not received: contact client and if necessary, fill out a COC and indicate that it was filled out by lab personnel. Note issues on this NCF.
2. If COC is incomplete, check applicable issues below and add details where appropriate:
- *Collection date/time missing or incorrect
 - *Analyses or analytes: missing or Clarification needed
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3. Sample integrity issues: check applicable issues below and add details where appropriate:
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 - *samples: Insufficient volume received
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 - *Samples: contain Chlorine or Sulfide
 - *Samples: condition needs to be brought to lab personnel's attention (details below)
 - *Containers: Broken or compromised
 - *Containers: Incorrect
 - *Custody Seals: missing or compromised on samples, trip blanks or coolers
 - *Packing Material: Insufficient/Improper
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 - *Vials received with improper headspace
 - *Other:
4. If Samples not preserved properly and Sample Receiving adjusts pH, add details below:
- Sample ID: _____
- Preserved by: _____
- Date/Time: _____
- Initial and Final pH: _____
- Amount/type pres added: _____
- Lot # of Pres added: _____
5. Client contact: If Client is Contacted for any issue listed above, fill in details below:
- Client: _____
- PM Initials: _____
- Contacted per: _____
- Date/Time: _____

Comments

Olivia Currie

Received OOT at 21.7 Deg C, insufficient ice/melted in shipment
3 of 3 vials received with headspace

3 July 2024 2:52 PM

Lori Vahrenkamp

Proceed with requested analyses.

5 July 2024 1:58 PM

ORIGIN: ID.VCTA (361) 446-0566
LORI VAHRENKAMP
PACE VICTORIA
1506 E. BRAZOS ST STE D
VICTORIA, TX 77901
UNITED STATES US

SHIP DATE 28JUN24
ACTWGT 50.00 LB MAN
CRD# 0917226/CAFE3608
BILL SENDER

TO SAMPLE PART NG
PACE ST 11 426 R.
400 W SUITE
ALLEN 5
(972) 727-1123 10:30 D
INV. 1230
PD 07.03



EPT



FedEx
Express
E

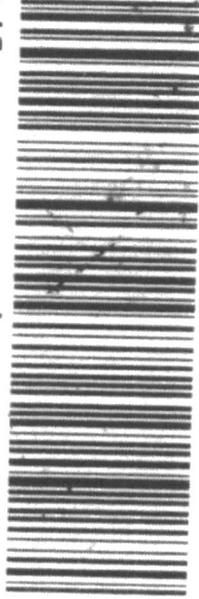
FedEx

TRK# 7387 0566 1230
0201

WED - 03 JUL AA
PRIORITY OVERNIGHT

AD DNEA

75013
TX-US
DFW



3994594 02 Jul 2024 DRTA SRIG3/7614/CDB8

585C9/B21D/C6C4

J241823112281UC



DC# Title: ENV-FRM-ALLE-0017 v15_Sample Condition Upon Receipt

Effective Date: 12/18/2023

Sample Condition Upon Receipt

Client Name: Eagle Pass Hydroplant Dallas Ft Worth Corpus Christi Austin
Courier: FedEx UPS USPS Client LSO PACE Other:
Tracking #: 1387 0546 1230

Custody Seal on Cooler/Box: Yes No
Received on ice: Wet Blue No ice

Receiving Lab 1 Thermometer Used: 1119 Cooler Temp °C: 21.4 (Recorded) 21.7 (Actual)

Receiving Lab 2 Thermometer Used: Cooler Temp °C: (Recorded) (Actual)

Table with 2 columns: Description and Yes/No status. Rows include Chain of Custody relinquished, Sampler name & signature on COC, and Short HT analyses (<72 hrs).

Temperature should be above freezing to 6°C unless collected same day as receipt in which evidence of cooling is acceptable.

Triage Person: AB Date: 11/3/24

Table with 2 columns: Description and Yes/No status. Rows include Sufficient Volume received, Correct Container used, and Container Intact.

Sample pH Acceptable pH Strips: 1402027
Residual Chlorine Present Cl Strips: 14860
Sulfide Present Lead Acetate Strips: 14862

Are soil samples (volatiles, TPH) received in 5035A Kits (not applicable to TCLP VOA or PST Program TPH)
Unpreserved 5035A soil frozen within 48 hrs

Headspace in VOA (>6mm)
Project sampled in USDA Regulated Area outside of Texas
State Sampled:
Non-Conformance(s):

Login Person: JC Date: 7/3

Labeling Person (if different than log-in): Date:



July 15, 2024

Jeremy Watkins
Pace Analytical Dallas
400 West Bethany Drive
Suite 190
Allen, TX 75013

RE: Project: L1753160 WG2318059
Pace Project No.: 40280716

Dear Jeremy Watkins:

Enclosed are the analytical results for sample(s) received by the laboratory on July 06, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angela Lane
angela.lane@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Client Services, Pace Analytical Allen



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: L1753160 WG2318059

Pace Project No.: 40280716

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-21-8

Virginia VELAP Certification ID: 11873

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-21-00008

Federal Fish & Wildlife Permit #: 51774A

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: L1753160 WG2318059
Pace Project No.: 40280716

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40280716001	WASTE WATER PERMIT	Water	07/02/24 10:40	07/06/24 11:00

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: L1753160 WG2318059
Pace Project No.: 40280716

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40280716001	WASTE WATER PERMIT	EPA 1631E	MRP	1

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: L1753160 WG2318059

Pace Project No.: 40280716

Sample: WASTE WATER PERMIT		Lab ID: 40280716001	Collected: 07/02/24 10:40	Received: 07/06/24 11:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1631E Mercury, Low Level		Analytical Method: EPA 1631E Preparation Method: EPA 1631E Pace Analytical Services - Green Bay						
Mercury	1950	ng/L	50.0	100	07/08/24 11:50	07/10/24 13:01	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: L1753160 WG2318059

Pace Project No.: 40280716

QC Batch: 478973	Analysis Method: EPA 1631E
QC Batch Method: EPA 1631E	Analysis Description: 1631E Mercury
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40280716001

METHOD BLANK: 2743270 Matrix: Water

Associated Lab Samples: 40280716001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ng/L	ND	0.50	07/10/24 11:31	

METHOD BLANK: 2743271 Matrix: Water

Associated Lab Samples: 40280716001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ng/L	ND	0.50	07/10/24 12:31	

METHOD BLANK: 2743272 Matrix: Water

Associated Lab Samples: 40280716001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ng/L	ND	0.50	07/10/24 13:53	

LABORATORY CONTROL SAMPLE: 2743273

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ng/L	5	4.63	93	79-121	

LABORATORY CONTROL SAMPLE: 2743274

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ng/L	5	4.74	95	79-121	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2744726 2744727

Parameter	Units	2744726		2744727		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Mercury	ng/L	1.20	2	2	3.08	2.83	94	82	75-125	8	24

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: L1753160 WG2318059

Pace Project No.: 40280716

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: L1753160 WG2318059
Pace Project No.: 40280716

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40280716001	WASTE WATER PERMIT	EPA 1631E	478973	EPA 1631E	479200

REPORT OF LABORATORY ANALYSIS

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40280714

Sub-Contract Chain of Custody

Batch Date/Time: 07/05/24 13.31
Sub-Contract Lab: PACEGBWI
Address: 1241 Bellvue Street, Suite 9

City/State: Green Bay, WI 54302

Contact:

Angela.Lane@pacelabs.com

Owner Lab: PACEATX

Address: 400 W Bethany Drive Suite 190

City/State: Allen, TX 75013

Phone: (972) 727-1123

Fax:

WO: WG2318059

Email: Dallas_Sub@pacelabs.com

Results Due Date: 07/11/24

ESC Purchase Order #: L1753160

Send Reports to: Aysen Ramos



400 W. Bethany Drive Suite 190

Allen, TX 75013

Phone (972) 727-1123

Sample ID Container ID	Matrix	State	Collect Date	Description	Method	Sample Number Lab Use Only	Sample Comments Lab Use Only
WASTE WATER PERMIT S48212778	WW	TX	07/02/24 10:40	Low Level Hg -		1. L1753160-01	001

*= Container used for multiple Samples and/or Analyses

Relinquished by: Angela Lane / Aysen Ramos / PACE Date 7/5/24 1700

Received by: Federa Date 7/5/24 1700

Relinquished by: Federa Date 7/6/24 1100

Received by: Green Puri Pass Date 7/6/24 1100

Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: Pace Tx

WO#: 40280716

Courier: CS Logistics Fed Ex Speedee UPS Walco
 Client Pace Other: _____



Tracking #: 4000 7698 5072

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR-130 Type of Ice: Wet Blue Dry None Meltwater Only

Cooler Temperature Uncorr: N/A / Corr: N/A 7/6/24 GF

Temp Blank Present: yes no Biological Tissue is Frozen: yes no

Person examining contents:
 Date: 7/6/24 / Initials: GF
 Labeled By Initials: JB

Temp should be above freezing to 6°C.
 Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	4. <u>IZWO</u> <u>7/6/24 GF</u>
Samples Arrived within Hold Time: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- DI VOA Samples frozen upon receipt <input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time.
Short Hold Time Analysis (<72hr): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Correct Type: Pace Green Bay, <u>Pace IR</u> Non-Pace <u>7/6/24 GF</u>	
Containers Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>	
Trip Blank Present: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): _____	

Client Notification/ Resolution: _____ If checked, see attached form for additional comments
 Person Contacted: _____ Date/Time: _____
 Comments/ Resolution: _____

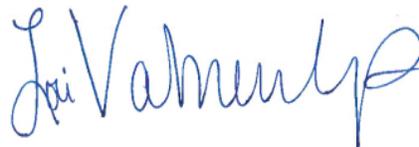
PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logi

Eagle Pass Hydro WW Plant

Sample Delivery Group: L1768231
Samples Received: 08/16/2024
Project Number: PERMIT RENEWAL WK1
Description: WASTEWATER

Report To: Joe Martinez
1622 Maverick Industrial Park Rd.
Eagle Pass, TX 78852

Entire Report Reviewed By:

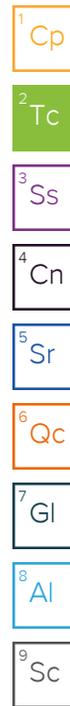


Lori A Vahrenkamp
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

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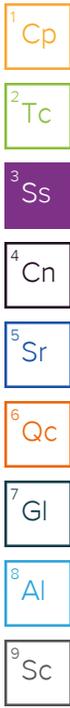


SAMPLE SUMMARY

WW PERMIT L1768231-01 WW

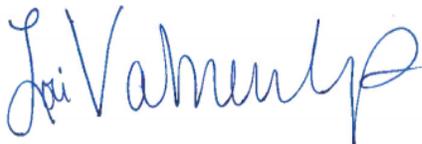
Collected by JM/RH Collected date/time 08/15/24 10:01 Received date/time 08/16/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2346437	1	08/21/24 15:36	08/21/24 15:36	TDM	Allen, TX
Gravimetric Analysis by Method 2540C	WG2345477	1	08/18/24 11:24	08/18/24 12:27	QQT	Allen, TX
Gravimetric Analysis by Method 2540D	WG2348237	1	08/22/24 09:38	08/22/24 11:26	QQT	Allen, TX
Wet Chemistry by Method 1664A	WG2348082	1	08/22/24 17:10	08/23/24 11:19	TM	Allen, TX
Wet Chemistry by Method 2320B	WG2345770	1	08/19/24 09:53	08/19/24 09:53	SEN	Allen, TX
Wet Chemistry by Method 300.0	WG2344511	1	08/16/24 13:18	08/16/24 13:18	SMC	Allen, TX
Wet Chemistry by Method 300.0	WG2347391	1	08/22/24 14:36	08/22/24 14:36	SMC	Allen, TX
Wet Chemistry by Method 300.0	WG2347391	10	08/22/24 02:52	08/22/24 02:52	SMC	Allen, TX
Wet Chemistry by Method 300.0	WG2347391	20	08/22/24 14:48	08/22/24 14:48	SMC	Allen, TX
Wet Chemistry by Method 3500Cr-B	WG2346455	1	08/20/24 15:25	08/20/24 15:25	KCM	Allen, TX
Wet Chemistry by Method 351.2	WG2345734	1	08/19/24 10:46	08/20/24 12:53	EIG	Allen, TX
Wet Chemistry by Method 4500CN-E	WG2345704	1	08/19/24 09:30	08/19/24 17:31	KCM	Allen, TX
Wet Chemistry by Method 4500CN-G	WG2345704	1	08/19/24 17:31	08/19/24 17:31	KCM	Allen, TX
Wet Chemistry by Method 4500P-E	WG2348192	1	08/22/24 15:07	08/22/24 15:07	SMC	Allen, TX
Wet Chemistry by Method 5210 B-2016	WG2344352	1	08/16/24 14:26	08/21/24 08:42	JBS	Allen, TX
Wet Chemistry by Method 5210 B-2016	WG2344354	1	08/16/24 15:22	08/21/24 09:31	JBS	Allen, TX
Wet Chemistry by Method 5220D	WG2345885	1	08/19/24 15:20	08/19/24 17:20	JBS	Allen, TX
Wet Chemistry by Method 5310C	WG2346726	1	08/21/24 13:59	08/21/24 13:59	EIG	Allen, TX
Wet Chemistry by Method SM4500NH3H	WG2347799	1	08/21/24 19:03	08/21/24 19:03	EIG	Allen, TX
Metals (ICP) by Method 200.7	WG2346437	1	08/20/24 10:02	08/21/24 15:36	TDM	Allen, TX
Volatile Organic Compounds (GC/MS) by Method 624.1	WG2345947	1	08/19/24 16:27	08/19/24 16:27	JHH	Allen, TX
Polychlorinated Biphenyls (GC) by Method EPA-608.3	WG2348099	1.11	08/22/24 07:46	08/22/24 19:15	HLA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 625.1	WG2346282	1	08/20/24 09:33	08/21/24 01:39	XLY	Allen, TX
Subcontracted Analyses	WG2346612	1	08/29/24 00:00	08/29/24 00:00	JWW	Green Bay, WI 54302



CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Lori A Vahrenkamp
Project Manager



Report Revision History

Level II Report - Version 1: 08/29/24 12:30

Project Narrative

TTHM: <0.010 mg/L
TON: 0.242 mg/L

Revised report issued 9/26/24.
L1768231 -01 contains subout data that is included after the chain of custody.

Sample Delivery Group (SDG) Narrative

No extra volume received to perform Matrix Spike samples.

<u>Lab Sample ID</u>	<u>Project Sample ID</u>	<u>Method</u>
L1768231-01	WW PERMIT	625.1

WW PERMIT

Collected date/time: 08/15/24 10:01

SAMPLE RESULTS - 01

L1768231

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chromium, Trivalent	<0.000710		0.000710	0.00300	1	08/21/2024 15:36	WG2346437

Gravimetric Analysis by Method 2540C

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Total Dissolved Solids	489		25.0	1	08/18/2024 12:27	WG2345477

Gravimetric Analysis by Method 2540D

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Suspended Solids	5.60		2.50	1	08/22/2024 11:26	WG2348237

Wet Chemistry by Method 1664A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Oil & Grease (Hexane Extr)	<0.398		0.398	5.68	1	08/23/2024 11:19	WG2348082

Wet Chemistry by Method 2320B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Alkalinity	120		20.0	20.0	1	08/19/2024 09:53	WG2345770
Alkalinity, Bicarbonate	120		20.0	20.0	1	08/19/2024 09:53	WG2345770
Alkalinity, Carbonate	<20.0		20.0	20.0	1	08/19/2024 09:53	WG2345770
Alkalinity, Hydroxide	<20.0		20.0	20.0	1	08/19/2024 09:53	WG2345770
Phenolphthalein Alkalinity	<20.0		20.0	20.0	1	08/19/2024 09:53	WG2345770

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	89.2	<u>V</u>	3.25	8.00	10	08/22/2024 02:52	WG2347391
Fluoride	0.699		0.0947	0.500	1	08/22/2024 14:36	WG2347391
Nitrate	<0.379	<u>J6</u>	0.379	0.500	1	08/16/2024 13:18	WG2344511
Nitrite	<0.0718		0.0718	0.500	1	08/16/2024 13:18	WG2344511
Sulfate	173	<u>V</u>	4.23	14.0	20	08/22/2024 14:48	WG2347391

Wet Chemistry by Method 3500Cr-B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chromium, Hexavalent	<0.00200		0.00200	0.00300	1	08/20/2024 15:25	WG2346455

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Kjeldahl Nitrogen, TKN	0.521	<u>J6</u>	0.140	0.250	1	08/20/2024 12:53	WG2345734

Wet Chemistry by Method 4500CN-E

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide	<0.00430		0.00430	0.0100	1	08/19/2024 17:31	WG2345704



WW PERMIT

Collected date/time: 08/15/24 10:01

SAMPLE RESULTS - 01

L1768231

Wet Chemistry by Method 4500CN-G

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide,amenable	<0.00430		0.00430	0.0100	1	08/19/2024 17:31	WG2345704

Wet Chemistry by Method 4500P-E

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Phosphorus,Total	0.0211	J	0.0152	0.0500	1	08/22/2024 15:07	WG2348192

Wet Chemistry by Method 5210 B-2016

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
BOD	<1.00		1.00	1	08/21/2024 08:42	WG2344352
CBOD	<1.00	B1	1.00	1	08/21/2024 09:31	WG2344354

Wet Chemistry by Method 5220D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
COD	<16.1		16.1	35.0	1	08/19/2024 17:20	WG2345885

Wet Chemistry by Method 5310C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TOC (Total Organic Carbon)	2.03		0.270	0.700	1	08/21/2024 13:59	WG2346726

Wet Chemistry by Method SM4500NH3H

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Ammonia Nitrogen	0.279		0.0280	0.100	1	08/21/2024 19:03	WG2347799

Metals (ICP) by Method 200.7

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Aluminum	0.146	J	0.0353	0.500	1	08/21/2024 15:36	WG2346437
Antimony	<0.00242		0.00242	0.0250	1	08/21/2024 15:36	WG2346437
Arsenic	<0.00418		0.00418	0.0100	1	08/21/2024 15:36	WG2346437
Barium	0.111		0.000490	0.0100	1	08/21/2024 15:36	WG2346437
Beryllium	<0.000180		0.000180	0.00100	1	08/21/2024 15:36	WG2346437
Cadmium	0.0198		0.000350	0.00500	1	08/21/2024 15:36	WG2346437
Chromium	<0.000710		0.000710	0.00700	1	08/21/2024 15:36	WG2346437
Copper	0.0301		0.00364	0.0200	1	08/21/2024 15:36	WG2346437
Lead	0.00607	J	0.00312	0.0100	1	08/21/2024 15:36	WG2346437
Nickel	<0.00358		0.00358	0.0100	1	08/21/2024 15:36	WG2346437
Selenium	<0.00500		0.00500	0.0200	1	08/21/2024 15:36	WG2346437
Silver	<0.000990		0.000990	0.00500	1	08/21/2024 15:36	WG2346437
Thallium	<0.00775		0.00775	0.0200	1	08/21/2024 15:36	WG2346437
Zinc	0.168		0.0106	0.0250	1	08/21/2024 15:36	WG2346437

Volatile Organic Compounds (GC/MS) by Method 624.1

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
1,1,1-Trichloroethane	<0.00335		0.00335	0.00500	1	08/19/2024 16:27	WG2345947
1,1,2,2-Tetrachloroethane	<0.000596		0.000596	0.00500	1	08/19/2024 16:27	WG2345947
1,1,2-Trichloroethane	<0.00145		0.00145	0.00500	1	08/19/2024 16:27	WG2345947
1,1-Dichloroethane	<0.00292		0.00292	0.00500	1	08/19/2024 16:27	WG2345947



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SAMPLE RESULTS - 01

Collected date/time: 08/15/24 10:01

L1768231

Volatile Organic Compounds (GC/MS) by Method 624.1

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1-Dichloroethene	<0.00367		0.00367	0.00500	1	08/19/2024 16:27	WG2345947
1,2-Dibromoethane	<0.000403		0.000403	0.00200	1	08/19/2024 16:27	WG2345947
1,2-Dichlorobenzene	<0.00172		0.00172	0.00200	1	08/19/2024 16:27	WG2345947
1,2-Dichloroethane	<0.00195		0.00195	0.00500	1	08/19/2024 16:27	WG2345947
1,2-Dichloropropane	<0.000804		0.000804	0.00200	1	08/19/2024 16:27	WG2345947
1,3-Dichlorobenzene	<0.00419		0.00419	0.00500	1	08/19/2024 16:27	WG2345947
1,4-Dichlorobenzene	<0.00173		0.00173	0.00200	1	08/19/2024 16:27	WG2345947
2-Chloroethyl vinyl ether	<0.00652		0.00652	0.0100	1	08/19/2024 16:27	WG2345947
Acrolein	<0.00544		0.00544	0.0100	1	08/19/2024 16:27	WG2345947
Acrylonitrile	<0.00709		0.00709	0.0100	1	08/19/2024 16:27	WG2345947
Benzene	<0.00207		0.00207	0.00500	1	08/19/2024 16:27	WG2345947
Bromodichloromethane	<0.00179		0.00179	0.00200	1	08/19/2024 16:27	WG2345947
Bromoform	<0.000960		0.000960	0.0100	1	08/19/2024 16:27	WG2345947
Bromomethane	<0.00347		0.00347	0.00500	1	08/19/2024 16:27	WG2345947
Carbon tetrachloride	<0.00159		0.00159	0.00200	1	08/19/2024 16:27	WG2345947
Chlorobenzene	<0.00276		0.00276	0.0100	1	08/19/2024 16:27	WG2345947
Chloroethane	<0.00296		0.00296	0.00500	1	08/19/2024 16:27	WG2345947
Chloroform	<0.00212		0.00212	0.00500	1	08/19/2024 16:27	WG2345947
Chloromethane	<0.00361		0.00361	0.00500	1	08/19/2024 16:27	WG2345947
cis-1,2-Dichloroethene	<0.00113		0.00113	0.00500	1	08/19/2024 16:27	WG2345947
cis-1,3-Dichloropropene	<0.00492		0.00492	0.0100	1	08/19/2024 16:27	WG2345947
Dibromochloromethane	<0.00327		0.00327	0.00500	1	08/19/2024 16:27	WG2345947
Ethylbenzene	<0.000401		0.000401	0.00200	1	08/19/2024 16:27	WG2345947
Methylene Chloride	<0.0117		0.0117	0.0200	1	08/19/2024 16:27	WG2345947
2-Butanone (MEK)	<0.0129	J4	0.0129	0.0250	1	08/19/2024 16:27	WG2345947
Tetrachloroethene	<0.00486		0.00486	0.0100	1	08/19/2024 16:27	WG2345947
Toluene	<0.00219		0.00219	0.00500	1	08/19/2024 16:27	WG2345947
Total 1,3-Dichloropropene	<0.00372		0.00372	0.0100	1	08/19/2024 16:27	WG2345947
trans-1,2-Dichloroethene	<0.00501		0.00501	0.0100	1	08/19/2024 16:27	WG2345947
trans-1,3-Dichloropropene	<0.00460		0.00460	0.00500	1	08/19/2024 16:27	WG2345947
Trichloroethene	<0.00262		0.00262	0.00500	1	08/19/2024 16:27	WG2345947
Vinyl chloride	<0.00466		0.00466	0.00500	1	08/19/2024 16:27	WG2345947
(S) 1,2-Dichloroethane-d4	106			70.0-130		08/19/2024 16:27	WG2345947
(S) 4-Bromofluorobenzene	97.5			70.0-130		08/19/2024 16:27	WG2345947
(S) Toluene-d8	101			70.0-130		08/19/2024 16:27	WG2345947

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Polychlorinated Biphenyls (GC) by Method EPA-608.3

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
PCB 1016	<0.000300		0.000300	0.000555	1.11	08/22/2024 19:15	WG2348099
PCB 1221	<0.000300		0.000300	0.000555	1.11	08/22/2024 19:15	WG2348099
PCB 1232	<0.000300		0.000300	0.000555	1.11	08/22/2024 19:15	WG2348099
PCB 1242	<0.000300		0.000300	0.000555	1.11	08/22/2024 19:15	WG2348099
PCB 1248	<0.000192		0.000192	0.000555	1.11	08/22/2024 19:15	WG2348099
PCB 1254	<0.000192		0.000192	0.000555	1.11	08/22/2024 19:15	WG2348099
PCB 1260	<0.000192		0.000192	0.000555	1.11	08/22/2024 19:15	WG2348099
Total PCBs	<0.000192		0.000192	0.000555	1.11	08/22/2024 19:15	WG2348099
(S) Decachlorobiphenyl	73.2			10.0-144		08/22/2024 19:15	WG2348099
(S) Tetrachloro-m-xylene	53.1			10.0-135		08/22/2024 19:15	WG2348099

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Collected date/time: 08/15/24 10:01

SAMPLE RESULTS - 01

L1768231

Semi Volatile Organic Compounds (GC/MS) by Method 625.1

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2,4,5-Tetrachlorobenzene	<0.00132		0.00132	0.00250	1	08/21/2024 01:39	WG2346282
1,2,4-Trichlorobenzene	<0.00159		0.00159	0.00250	1	08/21/2024 01:39	WG2346282
1,2-Dichlorobenzene	<0.00168		0.00168	0.00250	1	08/21/2024 01:39	WG2346282
1,3-Dichlorobenzene	<0.00170		0.00170	0.00250	1	08/21/2024 01:39	WG2346282
1,4-Dichlorobenzene	<0.00184		0.00184	0.00250	1	08/21/2024 01:39	WG2346282
2,2-Oxybis(1-Chloropropane)	<0.00116		0.00116	0.00250	1	08/21/2024 01:39	WG2346282
2,4,5-Trichlorophenol	<0.00193		0.00193	0.00250	1	08/21/2024 01:39	WG2346282
2,4,6-Trichlorophenol	<0.00179		0.00179	0.00250	1	08/21/2024 01:39	WG2346282
2,4-Dichlorophenol	<0.000820		0.000820	0.00250	1	08/21/2024 01:39	WG2346282
2,4-Dimethylphenol	<0.00142		0.00142	0.00500	1	08/21/2024 01:39	WG2346282
2,4-Dinitrophenol	<0.00115		0.00115	0.00500	1	08/21/2024 01:39	WG2346282
2,4-Dinitrotoluene	<0.00265		0.00265	0.00500	1	08/21/2024 01:39	WG2346282
2,6-Dichlorophenol	<0.00107		0.00107	0.00250	1	08/21/2024 01:39	WG2346282
2,6-Dinitrotoluene	<0.00181		0.00181	0.00500	1	08/21/2024 01:39	WG2346282
2-Chloronaphthalene	<0.00143		0.00143	0.00250	1	08/21/2024 01:39	WG2346282
2-Chlorophenol	<0.000820		0.000820	0.00250	1	08/21/2024 01:39	WG2346282
2-Methylphenol	<0.000760		0.000760	0.00500	1	08/21/2024 01:39	WG2346282
2-Nitrophenol	<0.00169		0.00169	0.00250	1	08/21/2024 01:39	WG2346282
3&4-Methyl Phenol	<0.000767		0.000767	0.00250	1	08/21/2024 01:39	WG2346282
3,3-Dichlorobenzidine	<0.00265		0.00265	0.00500	1	08/21/2024 01:39	WG2346282
4,6-Dinitro-2-methylphenol	<0.00150		0.00150	0.00500	1	08/21/2024 01:39	WG2346282
4-Bromophenyl-phenylether	<0.00104		0.00104	0.00250	1	08/21/2024 01:39	WG2346282
4-Chloro-3-methylphenol	<0.000865		0.000865	0.00250	1	08/21/2024 01:39	WG2346282
4-Chlorophenyl-phenylether	<0.00140		0.00140	0.00250	1	08/21/2024 01:39	WG2346282
4-Nitrophenol	<0.00164		0.00164	0.00500	1	08/21/2024 01:39	WG2346282
Acenaphthene	<0.00134		0.00134	0.00250	1	08/21/2024 01:39	WG2346282
Acenaphthylene	<0.00134		0.00134	0.00250	1	08/21/2024 01:39	WG2346282
Acetophenone	<0.000788		0.000788	0.00250	1	08/21/2024 01:39	WG2346282
Alpha-Terpineol	<0.000696		0.000696	0.00250	1	08/21/2024 01:39	WG2346282
Aniline	<0.000536		0.000536	0.00250	1	08/21/2024 01:39	WG2346282
Anthracene	<0.00111		0.00111	0.00250	1	08/21/2024 01:39	WG2346282
Atrazine	<0.00167		0.00167	0.00250	1	08/21/2024 01:39	WG2346282
Benzidine	<0.00311		0.00311	0.0100	1	08/21/2024 01:39	WG2346282
Benzo(a)anthracene	<0.000933		0.000933	0.00250	1	08/21/2024 01:39	WG2346282
Benzo(a)pyrene	<0.000941		0.000941	0.00250	1	08/21/2024 01:39	WG2346282
Benzo(b)fluoranthene	<0.00102		0.00102	0.00250	1	08/21/2024 01:39	WG2346282
Benzo(g,h,i)perylene	<0.00101		0.00101	0.00250	1	08/21/2024 01:39	WG2346282
Benzo(k)fluoranthene	<0.000934		0.000934	0.00250	1	08/21/2024 01:39	WG2346282
Benzoic acid	<0.00657		0.00657	0.0100	1	08/21/2024 01:39	WG2346282
Benzylbutyl phthalate	<0.00143		0.00143	0.00250	1	08/21/2024 01:39	WG2346282
Bis(2-chloroethoxy)methane	<0.000991		0.000991	0.00250	1	08/21/2024 01:39	WG2346282
Bis(2-chloroethyl)ether	<0.00101		0.00101	0.00250	1	08/21/2024 01:39	WG2346282
Bis(2-chloroisopropyl)ether	<0.00116		0.00116	0.00250	1	08/21/2024 01:39	WG2346282
Bis(2-Ethylhexyl)phthalate	<0.00318		0.00318	0.00500	1	08/21/2024 01:39	WG2346282
Carbazole	<0.00106		0.00106	0.00250	1	08/21/2024 01:39	WG2346282
Chrysene	<0.00102		0.00102	0.00250	1	08/21/2024 01:39	WG2346282
Di-n-butyl phthalate	<0.00120		0.00120	0.00250	1	08/21/2024 01:39	WG2346282
Di-n-octyl phthalate	<0.00174		0.00174	0.00250	1	08/21/2024 01:39	WG2346282
Dibenz(a,h)anthracene	<0.00110		0.00110	0.00250	1	08/21/2024 01:39	WG2346282
Dibenzofuran	<0.00120		0.00120	0.00250	1	08/21/2024 01:39	WG2346282
Diethyl phthalate	<0.000915		0.000915	0.00250	1	08/21/2024 01:39	WG2346282
Dimethyl phthalate	<0.000878		0.000878	0.00250	1	08/21/2024 01:39	WG2346282
Fluoranthene	<0.00114		0.00114	0.00250	1	08/21/2024 01:39	WG2346282
Fluorene	<0.00131		0.00131	0.00250	1	08/21/2024 01:39	WG2346282
Hexachloro-1,3-butadiene	<0.00176		0.00176	0.00250	1	08/21/2024 01:39	WG2346282
Hexachlorobenzene	<0.000972		0.000972	0.00250	1	08/21/2024 01:39	WG2346282

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

WW PERMIT

SAMPLE RESULTS - 01

Collected date/time: 08/15/24 10:01

L1768231

Semi Volatile Organic Compounds (GC/MS) by Method 625.1

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hexachlorocyclopentadiene	<0.00117		0.00117	0.0100	1	08/21/2024 01:39	WG2346282
Hexachloroethane	<0.00188		0.00188	0.00250	1	08/21/2024 01:39	WG2346282
1,2-Diphenylhydrazine	<0.00124	<u>N2</u>	0.00124	0.00250	1	08/21/2024 01:39	WG2346282
Indeno(1,2,3-cd)pyrene	<0.000984		0.000984	0.00250	1	08/21/2024 01:39	WG2346282
Isophorone	<0.00183		0.00183	0.00250	1	08/21/2024 01:39	WG2346282
n-Decane	<0.00158		0.00158	0.00250	1	08/21/2024 01:39	WG2346282
n-Nitrosodi-n-butylamine	<0.000735		0.000735	0.00250	1	08/21/2024 01:39	WG2346282
n-Nitrosodi-n-propylamine	<0.00107		0.00107	0.00250	1	08/21/2024 01:39	WG2346282
n-Nitrosodiethylamine	<0.000925		0.000925	0.00250	1	08/21/2024 01:39	WG2346282
n-Nitrosodimethylamine	<0.000651		0.000651	0.00250	1	08/21/2024 01:39	WG2346282
n-Nitrosodiphenylamine	<0.000829		0.000829	0.00250	1	08/21/2024 01:39	WG2346282
n-Octadecane	<0.00128		0.00128	0.00250	1	08/21/2024 01:39	WG2346282
Naphthalene	<0.00200		0.00200	0.00250	1	08/21/2024 01:39	WG2346282
Nitrobenzene	<0.00124		0.00124	0.00250	1	08/21/2024 01:39	WG2346282
Nonylphenol	<0.00286		0.00286	0.00500	1	08/21/2024 01:39	WG2346282
Pentachlorobenzene	<0.00134		0.00134	0.00250	1	08/21/2024 01:39	WG2346282
Pentachlorophenol	<0.00210		0.00210	0.00500	1	08/21/2024 01:39	WG2346282
Phenanthrene	<0.00113		0.00113	0.00250	1	08/21/2024 01:39	WG2346282
Phenol	<0.000967		0.000967	0.00250	1	08/21/2024 01:39	WG2346282
Pyrene	<0.00115		0.00115	0.00250	1	08/21/2024 01:39	WG2346282
Pyridine	<0.00117		0.00117	0.00250	1	08/21/2024 01:39	WG2346282
Total Cresols	<0.00153		0.00153	0.00750	1	08/21/2024 01:39	WG2346282
(S) 2,4,6-Tribromophenol	70.3			29.0-132		08/21/2024 01:39	WG2346282
(S) 2-Fluorobiphenyl	63.7			26.0-102		08/21/2024 01:39	WG2346282
(S) 2-Fluorophenol	28.0			10.0-66.0		08/21/2024 01:39	WG2346282
(S) Nitrobenzene-d5	63.2			15.0-106		08/21/2024 01:39	WG2346282
(S) p-Terphenyl-d14	88.5			10.0-120		08/21/2024 01:39	WG2346282
(S) Phenol-D6	24.5			10.0-54.0		08/21/2024 01:39	WG2346282

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R4108667-1 08/18/24 12:27

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Total Dissolved Solids	<25.0		25.0	25.0

1 Cp

2 Tc

3 Ss

L1767240-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1767240-04 08/18/24 12:27 • (DUP) R4108667-3 08/18/24 12:27

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Total Dissolved Solids	957	935	1	2.39		10

4 Cn

5 Sr

L1767240-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1767240-05 08/18/24 12:27 • (DUP) R4108667-4 08/18/24 12:27

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Total Dissolved Solids	1100	1070	1	3.04		10

6 Qc

7 Gl

8 Al

Laboratory Control Sample (LCS)

(LCS) R4108667-2 08/18/24 12:27

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Total Dissolved Solids	2410	2490	103	85.0-115	

9 Sc

Method Blank (MB)

(MB) R4110766-1 08/22/24 11:26

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Suspended Solids	<2.50		2.50	2.50

1 Cp

2 Tc

3 Ss

L1768212-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1768212-01 08/22/24 11:26 • (DUP) R4110766-3 08/22/24 11:26

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Suspended Solids	214	209	1	2.70		10

4 Cn

5 Sr

6 Qc

L1768679-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1768679-06 08/22/24 11:26 • (DUP) R4110766-4 08/22/24 11:26

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Suspended Solids	2780	2900	1	4.23		10

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4110766-2 08/22/24 11:26

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Suspended Solids	879	847	96.4	85.0-115	

Method Blank (MB)

(MB) R4110820-1 08/23/24 11:19

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Oil & Grease (Hexane Extr)	<0.350		0.350	5.00

¹Cp

²Tc

³Ss

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4110820-2 08/23/24 11:19 • (LCSD) R4110820-3 08/23/24 11:19

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Oil & Grease (Hexane Extr)	40.0	38.0	36.5	95.0	91.3	78.0-114			4.03	18

⁴Cn

⁵Sr

L1767286-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1767286-01 08/23/24 11:19 • (MS) R4110820-4 08/23/24 11:19

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Oil & Grease (Hexane Extr)	40.0	<0.350	36.7	91.8	1	78.0-114	

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4108828-1 08/19/24 09:53

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Alkalinity	<20.0		20.0	20.0
Alkalinity,Bicarbonate	<20.0		20.0	20.0
Alkalinity,Carbonate	<20.0		20.0	20.0
Alkalinity,Hydroxide	<20.0		20.0	20.0
Phenolphthalein Alkalinity	<20.0		20.0	20.0

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1766406-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1766406-04 08/19/24 09:53 • (DUP) R4108828-3 08/19/24 09:53

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Alkalinity	28.0	26.0	1	7.41		20

L1767827-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1767827-01 08/19/24 09:53 • (DUP) R4108828-4 08/19/24 09:53

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Alkalinity	90.0	90.0	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4108828-2 08/19/24 09:53

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/l	mg/l	%	%	
Alkalinity	250	238	95.2	90.0-110	

Method Blank (MB)

(MB) R4107978-1 08/16/24 12:18

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Nitrate	<0.379		0.379	0.500
Nitrite	<0.0718		0.0718	0.500

Laboratory Control Sample (LCS)

(LCS) R4107978-2 08/16/24 12:30

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/l	mg/l	%	%	
Nitrate	5.00	4.90	98.0	90.0-110	
Nitrite	5.00	5.05	101	90.0-110	

L1768231-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1768231-01 08/16/24 13:18 • (MS) R4107978-3 08/16/24 15:52 • (MSD) R4107978-4 08/16/24 16:04

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Nitrate	5.00	<0.379	4.43	4.45	88.6	88.9	1	90.0-110	J6	J6	0.367	20
Nitrite	5.00	<0.0718	4.55	4.56	91.0	91.3	1	90.0-110			0.373	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4110474-1 08/21/24 22:43

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Chloride	<0.325		0.325	0.800
Fluoride	<0.0947		0.0947	0.500
Sulfate	<0.211		0.211	0.700

Laboratory Control Sample (LCS)

(LCS) R4110474-2 08/21/24 22:55

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/l	mg/l	%	%	
Chloride	5.00	4.99	99.8	90.0-110	
Fluoride	5.00	4.91	98.3	90.0-110	
Sulfate	5.00	4.89	97.7	90.0-110	

L1767240-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1767240-06 08/22/24 00:42 • (MS) R4110474-3 08/22/24 15:00 • (MSD) R4110474-4 08/22/24 15:12

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Chloride	5.00	0.966	6.16	5.99	104	100	1	90.0-110			2.77	20
Fluoride	5.00	<0.0947	5.48	5.31	110	106	1	90.0-110			3.26	20
Sulfate	5.00	1.02	6.01	5.85	99.8	96.6	1	90.0-110			2.71	20

L1768231-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1768231-01 08/22/24 14:36 • (MS) R4110474-5 08/22/24 15:23 • (MSD) R4110474-6 08/22/24 15:35

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Fluoride	5.00	0.699	5.85	5.69	103	99.8	1	90.0-110			2.81	20

L1768231-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1768231-01 08/22/24 02:52 • (MS) R4110474-7 08/22/24 15:47 • (MSD) R4110474-8 08/22/24 15:59

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Chloride	5.00	89.2	145	142	110	1050	10	90.0-110	<u>V</u>	<u>V</u>	2.29	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1768231-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1768231-01 08/22/24 14:48 • (MS) R4110474-9 08/22/24 16:11 • (MSD) R4110474-10 08/22/24 16:23

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Sulfate	5.00	173	229	225	1120	1040	20	90.0-110	√	√	1.74	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4109280-1 08/20/24 15:25

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chromium,Hexavalent	<0.00200		0.00200	0.00300

¹Cp

²Tc

³Ss

Laboratory Control Sample (LCS)

(LCS) R4109280-2 08/20/24 15:25

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chromium,Hexavalent	0.200	0.195	97.7	85.0-115	

⁴Cn

⁵Sr

L1768231-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1768231-01 08/20/24 15:25 • (MS) R4109280-3 08/20/24 15:25 • (MSD) R4109280-4 08/20/24 15:25

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chromium,Hexavalent	0.200	<0.00200	0.189	0.186	94.7	93.0	1	10.0-120			1.82	20

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4109873-1 08/20/24 12:43

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Kjeldahl Nitrogen, TKN	<0.140		0.140	0.250

Laboratory Control Sample (LCS)

(LCS) R4109873-2 08/20/24 12:44

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Kjeldahl Nitrogen, TKN	4.00	3.93	98.3	90.0-110	

L1767782-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1767782-02 08/20/24 12:52 • (MS) R4109873-3 08/20/24 13:21 • (MSD) R4109873-4 08/20/24 13:22

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Kjeldahl Nitrogen, TKN	4.00	0.313	2.06	2.04	43.7	43.2	1	90.0-110	J6	J6	0.976	20

L1768231-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1768231-01 08/20/24 12:53 • (MS) R4109873-5 08/20/24 13:23 • (MSD) R4109873-6 08/20/24 13:24

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Kjeldahl Nitrogen, TKN	4.00	0.521	3.36	3.78	71.0	81.5	1	90.0-110	J6	J6	11.8	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4108844-1 08/19/24 17:31

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cyanide	<0.00430		0.00430	0.0100

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4108844-2 08/19/24 17:31

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cyanide	0.100	0.102	102	85.0-115	

4 Cn

5 Sr

L1768397-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1768397-01 08/19/24 17:31 • (MS) R4108844-3 08/19/24 17:31 • (MSD) R4108844-4 08/19/24 17:31

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	<0.00430	0.0909	0.0894	90.9	89.4	1	85.0-115			1.65	20

6 Qc

7 Gl

8 Al

L1768715-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1768715-01 08/19/24 17:31 • (MS) R4108844-5 08/19/24 17:31 • (MSD) R4108844-6 08/19/24 17:31

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	<0.00430	0.0137	0.0122	13.7	12.2	1	85.0-115	J6	J6	11.5	20

9 Sc

Method Blank (MB)

(MB) R4110368-1 08/22/24 15:07

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Phosphorus,Total	<0.0152		0.0152	0.0500

Laboratory Control Sample (LCS)

(LCS) R4110368-2 08/22/24 15:07

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Phosphorus,Total	0.500	0.522	104	80.0-120	

L1768311-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1768311-02 08/22/24 15:07 • (MS) R4110368-3 08/22/24 15:08 • (MSD) R4110368-4 08/22/24 15:08

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Phosphorus,Total	0.500	0.0317	0.562	0.563	106	106	1	80.0-120			0.209	20

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

(MB) R4109532-1 08/21/24 07:52

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
BOD	<0.200		0.200	0.200

1 Cp

2 Tc

3 Ss

L1768111-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1768111-02 08/21/24 08:07 • (DUP) R4109532-3 08/21/24 08:53

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
BOD	2.69	3.99	1	38.9	K9 P1	20

4 Cn

5 Sr

6 Qc

L1768191-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1768191-01 08/21/24 08:16 • (DUP) R4109532-4 08/21/24 08:54

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
BOD	13.5	15.5	1	13.6		20

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4109532-2 08/21/24 07:57

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
BOD	198	206	104	85-115	

Method Blank (MB)

(MB) R4109561-1 08/21/24 09:11

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
CBOD	0.300	B1	0.200	0.200

1 Cp

2 Tc

3 Ss

L1768248-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1768248-02 08/21/24 09:37 • (DUP) R4109561-3 08/21/24 10:18

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits
CBOD	<1.00	<1.00	1	0		20

4 Cn

5 Sr

L1768267-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1768267-02 08/21/24 09:54 • (DUP) R4109561-4 08/21/24 10:19

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits
CBOD	8.93	9.45	1	5.66		20

6 Qc

7 Gl

8 Al

Laboratory Control Sample (LCS)

(LCS) R4109561-2 08/21/24 09:16

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
CBOD	198	215	108	85-115	

9 Sc

Method Blank (MB)

(MB) R4108838-1 08/19/24 17:20

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
COD	<16.1		16.1	35.0

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4108838-2 08/19/24 17:20

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
COD	500	501	100	80.0-120	

4 Cn

5 Sr

6 Qc

L1767082-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1767082-01 08/19/24 17:20 • (MS) R4108838-3 08/19/24 17:20 • (MSD) R4108838-4 08/19/24 17:20

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
COD	500	51.0	515	530	92.9	95.8	1	80.0-120			2.80	20

7 Gl

8 Al

L1768247-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1768247-01 08/19/24 17:20 • (MS) R4108838-5 08/19/24 17:20 • (MSD) R4108838-6 08/19/24 17:20

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
COD	500	23.9	507	518	96.6	98.7	1	80.0-120			2.04	20

9 Sc

Method Blank (MB)

(MB) R4109906-1 08/21/24 11:57

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TOC (Total Organic Carbon)	<0.270		0.270	0.700

Laboratory Control Sample (LCS)

(LCS) R4109906-2 08/21/24 12:17

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	10.0	10.1	101	90.0-110	

L1768231-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1768231-01 08/21/24 13:59 • (MS) R4109906-3 08/21/24 13:20 • (MSD) R4109906-4 08/21/24 13:40

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	10.0	2.03	11.6	12.0	95.8	99.5	1	80.0-120			3.14	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4110111-1 08/21/24 18:20

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Ammonia Nitrogen	<0.0280		0.0280	0.100

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

Laboratory Control Sample (LCS)

(LCS) R4110111-2 08/21/24 18:22

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Ammonia Nitrogen	5.00	5.12	102	80.0-120	

7 Gl

8 Al

9 Sc

L1766639-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1766639-01 08/21/24 18:31 • (MS) R4110111-3 08/21/24 18:24 • (MSD) R4110111-4 08/21/24 18:26

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Ammonia Nitrogen	5.00	0.0997	5.08	5.06	99.6	99.2	1	80.0-120			0.394	20

L1766640-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1766640-01 08/21/24 18:33 • (MS) R4110111-5 08/21/24 18:28 • (MSD) R4110111-6 08/21/24 18:30

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Ammonia Nitrogen	5.00	0.126	5.01	5.05	97.7	98.5	1	80.0-120			0.795	20

Method Blank (MB)

(MB) R4109734-1 08/21/24 14:58

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Aluminum	<0.0353		0.0353	0.500
Antimony	<0.00242		0.00242	0.0250
Arsenic	<0.00418		0.00418	0.0100
Barium	0.000804	J	0.000490	0.0100
Beryllium	<0.000180		0.000180	0.00100
Cadmium	<0.000350		0.000350	0.00500
Chromium	<0.000710		0.000710	0.00700
Copper	<0.00364		0.00364	0.0200
Lead	<0.00312		0.00312	0.0100
Nickel	<0.00358		0.00358	0.0100
Selenium	<0.00500		0.00500	0.0200
Silver	<0.000990		0.000990	0.00500
Thallium	<0.00775		0.00775	0.0200
Zinc	<0.0106		0.0106	0.0250

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R4109734-2 08/21/24 15:02

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	10.0	10.0	100	85.0-115	
Antimony	1.00	0.939	93.9	85.0-115	
Arsenic	1.00	0.968	96.8	85.0-115	
Barium	1.00	0.983	98.3	85.0-115	
Beryllium	1.00	0.994	99.4	85.0-115	
Cadmium	1.00	0.957	95.7	85.0-115	
Chromium	1.00	1.01	101	85.0-115	
Copper	1.00	0.970	97.0	85.0-115	
Lead	1.00	0.986	98.6	85.0-115	
Nickel	1.00	0.996	99.6	85.0-115	
Selenium	1.00	0.938	93.8	85.0-115	
Silver	0.500	0.471	94.2	85.0-115	
Thallium	1.00	0.996	99.6	85.0-115	
Zinc	1.00	0.989	98.9	85.0-115	

L1768231-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1768231-01 08/21/24 15:36 • (MS) R4109734-3 08/21/24 15:40 • (MSD) R4109734-4 08/21/24 15:43

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aluminum	10.0	0.146	10.4	10.4	103	103	1	70.0-130			0.288	20
Antimony	1.00	<0.00242	0.964	0.960	96.4	96.0	1	70.0-130			0.436	20
Arsenic	1.00	<0.00418	1.00	0.997	100	99.7	1	70.0-130			0.370	20
Barium	1.00	0.111	1.11	1.11	99.7	100	1	70.0-130			0.360	20
Beryllium	1.00	<0.000180	1.01	1.01	101	101	1	70.0-130			0.197	20
Cadmium	1.00	0.0198	0.999	0.994	97.9	97.4	1	70.0-130			0.562	20
Chromium	1.00	<0.000710	1.00	0.999	100	99.9	1	70.0-130			0.469	20
Copper	1.00	0.0301	1.02	1.02	99.3	98.8	1	70.0-130			0.490	20
Lead	1.00	0.00607	0.991	0.985	98.5	97.9	1	70.0-130			0.607	20
Nickel	1.00	<0.00358	0.996	0.991	99.6	99.1	1	70.0-130			0.433	20
Selenium	1.00	<0.00500	0.969	0.970	96.9	97.0	1	70.0-130			0.0722	20
Silver	0.500	<0.000990	0.483	0.479	96.5	95.7	1	70.0-130			0.874	20
Thallium	1.00	<0.00775	0.992	0.992	99.2	99.2	1	70.0-130			0.0202	20
Zinc	1.00	0.168	1.14	1.14	97.3	97.1	1	70.0-130			0.175	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4109028-2 08/19/24 13:16

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,1-Trichloroethane	<0.00335		0.00335	0.00500
1,1,2,2-Tetrachloroethane	<0.000596		0.000596	0.00500
1,1,2-Trichloroethane	<0.00145		0.00145	0.00500
1,1-Dichloroethane	<0.00292		0.00292	0.00500
1,1-Dichloroethene	<0.00367		0.00367	0.00500
1,2-Dibromoethane	<0.000403		0.000403	0.00200
1,2-Dichlorobenzene	<0.00172		0.00172	0.00200
1,2-Dichloroethane	<0.00195		0.00195	0.00500
1,2-Dichloropropane	<0.000804		0.000804	0.00200
1,3-Dichlorobenzene	<0.00419		0.00419	0.00500
1,4-Dichlorobenzene	<0.00173		0.00173	0.00200
2-Chloroethyl vinyl ether	<0.00652		0.00652	0.0100
Acrolein	<0.00544		0.00544	0.0100
Acrylonitrile	<0.00709		0.00709	0.0100
Benzene	<0.00207		0.00207	0.00500
Bromodichloromethane	<0.00179		0.00179	0.00200
Bromoform	<0.000960		0.000960	0.0100
Bromomethane	<0.00347		0.00347	0.00500
Carbon tetrachloride	<0.00159		0.00159	0.00200
Chlorobenzene	<0.00276		0.00276	0.0100
Chloroethane	<0.00296		0.00296	0.00500
Chloroform	<0.00212		0.00212	0.00500
Chloromethane	<0.00361		0.00361	0.00500
cis-1,2-Dichloroethene	<0.00113		0.00113	0.00500
cis-1,3-Dichloropropene	<0.00492		0.00492	0.0100
Dibromochloromethane	<0.00327		0.00327	0.00500
Ethylbenzene	<0.000401		0.000401	0.00200
Methylene Chloride	<0.0118		0.0118	0.0200
2-Butanone (MEK)	<0.0129		0.0129	0.0250
Tetrachloroethene	<0.00486		0.00486	0.0100
Toluene	<0.00219		0.00219	0.00500
Total 1,3-Dichloropropene	<0.00372		0.00372	0.0100
trans-1,2-Dichloroethene	<0.00501		0.00501	0.0100
trans-1,3-Dichloropropene	<0.00460		0.00460	0.00500
Trichloroethene	<0.00262		0.00262	0.00500
Vinyl chloride	<0.00466		0.00466	0.00500
(S) 1,2-Dichloroethane-d4	101			70.0-130
(S) 4-Bromofluorobenzene	99.7			70.0-130
(S) Toluene-d8	100			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4109028-1 08/19/24 12:24

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
1,1,1-Trichloroethane	0.0200	0.0204	102	70.0-130	
1,1,2,2-Tetrachloroethane	0.0200	0.0219	110	60.0-140	
1,1,2-Trichloroethane	0.0200	0.0206	103	70.0-130	
1,1-Dichloroethane	0.0200	0.0205	103	70.0-130	
1,1-Dichloroethene	0.0200	0.0211	105	50.0-150	
1,2-Dibromoethane	0.0200	0.0197	98.5	70.0-130	
1,2-Dichlorobenzene	0.0200	0.0201	101	65.0-135	
1,2-Dichloroethane	0.0200	0.0214	107	70.0-130	
1,2-Dichloropropane	0.0200	0.0202	101	35.0-165	
1,3-Dichlorobenzene	0.0200	0.0207	104	70.0-130	
1,4-Dichlorobenzene	0.0200	0.0202	101	65.0-135	
2-Chloroethyl vinyl ether	0.100	0.0760	76.0	1.00-225	
Acrolein	0.100	0.116	116	64.0-139	
Acrylonitrile	0.100	0.0997	99.7	67.0-136	
Benzene	0.0200	0.0203	102	65.0-135	
Bromodichloromethane	0.0200	0.0205	103	65.0-135	
Bromoform	0.0200	0.0210	105	70.0-130	
Bromomethane	0.0200	0.0238	119	15.0-185	
Carbon tetrachloride	0.0200	0.0193	96.5	70.0-130	
Chlorobenzene	0.0200	0.0194	97.0	65.0-135	
Chloroethane	0.0200	0.0223	112	40.0-160	
Chloroform	0.0200	0.0210	105	70.0-135	
Chloromethane	0.0200	0.0216	108	1.00-205	
cis-1,2-Dichloroethene	0.0200	0.0192	96.0	70.0-130	
cis-1,3-Dichloropropene	0.0200	0.0199	99.5	25.0-175	
Dibromochloromethane	0.0200	0.0206	103	70.0-135	
Ethylbenzene	0.0200	0.0198	99.0	60.0-140	
Methylene Chloride	0.0200	0.0207	104	60.0-140	
2-Butanone (MEK)	0.100	0.0678	67.8	70.0-130	J4
Tetrachloroethene	0.0200	0.0211	105	70.0-130	
Toluene	0.0200	0.0191	95.5	70.0-130	
Total 1,3-Dichloropropene	0.0401	0.0403	100	70.0-130	
trans-1,2-Dichloroethene	0.0200	0.0214	107	70.0-130	
trans-1,3-Dichloropropene	0.0200	0.0204	102	50.0-150	
Trichloroethene	0.0200	0.0190	95.0	65.0-135	
Vinyl chloride	0.0200	0.0205	103	5.00-195	
(S) 1,2-Dichloroethane-d4			102	70.0-130	
(S) 4-Bromofluorobenzene			102	70.0-130	
(S) Toluene-d8			98.5	70.0-130	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1768241-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1768241-01 08/19/24 14:48 • (MS) R4109028-3 08/19/24 15:38 • (MSD) R4109028-4 08/19/24 16:02

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,1,1-Trichloroethane	1.00	<0.00335	1.33	1.31	133	131	50	52.0-162			1.52	36
1,1,2,2-Tetrachloroethane	1.00	<0.000596	1.31	1.32	131	132	50	46.0-157			0.760	61
1,1,2-Trichloroethane	1.00	<0.00145	1.25	1.25	125	125	50	52.0-150			0.000	45
1,1-Dichloroethane	1.00	<0.00292	1.30	1.23	130	123	50	59.0-155			5.53	40
1,1-Dichloroethene	1.00	<0.00367	1.44	1.37	144	137	50	1.00-234			4.98	32
1,2-Dichlorobenzene	1.00	<0.00172	1.24	1.24	124	124	50	18.0-190			0.000	57
1,2-Dichloroethane	1.00	<0.00195	1.29	1.29	129	129	50	49.0-155			0.000	49
1,2-Dichloropropane	1.00	<0.000804	1.23	1.20	123	120	50	1.00-210			2.47	55
1,3-Dichlorobenzene	1.00	<0.00419	1.25	1.23	125	123	50	59.0-156			1.61	43
1,4-Dichlorobenzene	1.00	<0.00173	1.24	1.24	124	124	50	18.0-190			0.000	57
2-Chloroethyl vinyl ether	5.00	<0.00652	2.16	1.83	43.2	36.6	50	1.00-305			16.5	71
Acrolein	5.00	<0.00544	6.08	5.99	122	120	50	4.00-172			1.49	20
Acrylonitrile	5.00	<0.00709	5.56	5.48	111	110	50	22.0-189			1.45	20
Benzene	1.00	0.00316	1.28	1.28	128	128	50	37.0-151			0.000	61
Bromodichloromethane	1.00	<0.00179	1.23	1.21	123	121	50	35.0-155			1.64	56
Bromoform	1.00	<0.000960	1.28	1.26	128	126	50	70.0-130			1.57	42
Bromomethane	1.00	<0.00347	1.23	1.29	123	129	50	15.0-185			4.76	61
Carbon tetrachloride	1.00	<0.00159	1.27	1.23	127	123	50	70.0-140			3.20	41
Chlorobenzene	1.00	<0.00276	1.22	1.24	122	124	50	37.0-160			1.63	53
Chloroethane	1.00	<0.00296	1.22	1.16	122	116	50	14.0-230			5.04	78
Chloroform	1.00	<0.00212	1.30	1.27	130	127	50	51.0-138			2.33	54
Chloromethane	1.00	<0.00361	1.15	1.11	115	111	50	1.00-273			3.54	20
cis-1,2-Dichloroethene	1.00	<0.00113	1.27	1.17	127	117	50	70.0-130			8.20	20
cis-1,3-Dichloropropene	1.00	<0.00492	1.27	1.27	127	127	50	1.00-227			0.000	58
Dibromochloromethane	1.00	<0.00327	1.22	1.22	122	122	50	53.0-149			0.000	50
Ethylbenzene	1.00	0.00349	1.30	1.30	130	130	50	37.0-162			0.000	63
Methylene Chloride	1.00	<0.0118	1.23	1.21	123	121	50	1.00-221			1.64	28
Tetrachloroethene	1.00	<0.00486	1.31	1.27	131	127	50	64.0-148			3.10	39
Toluene	1.00	0.0159	1.33	1.33	133	133	50	47.0-150			0.000	41
Total 1,3-Dichloropropene	2.01	<0.00372	2.62	2.57	130	128	50	70.0-130			1.93	20
trans-1,2-Dichloroethene	1.00	<0.00501	1.34	1.30	134	130	50	54.0-156			3.03	45
trans-1,3-Dichloropropene	1.00	<0.00460	1.35	1.30	135	130	50	17.0-183			3.77	86
Trichloroethene	1.00	<0.00262	1.32	1.24	132	124	50	70.0-157			6.25	48
Vinyl chloride	1.00	<0.00466	1.24	1.16	124	116	50	1.00-251			6.67	66
(S) 1,2-Dichloroethane-d4					102	99.9		70.0-130				
(S) 4-Bromofluorobenzene					100	100		70.0-130				
(S) Toluene-d8					101	99.7		70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4110634-1 08/22/24 16:18

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
PCB 1016	<0.000270		0.000270	0.000500
PCB 1221	<0.000270		0.000270	0.000500
PCB 1232	<0.000270		0.000270	0.000500
PCB 1242	<0.000270		0.000270	0.000500
PCB 1248	<0.000173		0.000173	0.000500
PCB 1254	<0.000173		0.000173	0.000500
PCB 1260	<0.000173		0.000173	0.000500
Total PCBs	<0.000173		0.000173	0.000500
(S) Decachlorobiphenyl	54.7			10.0-144
(S) Tetrachloro-m-xylene	53.5			10.0-135

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4110634-2 08/22/24 16:48 • (LCSD) R4110634-3 08/22/24 16:57

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
PCB 1016	0.00250	0.00198	0.00208	79.2	83.2	50.0-140			4.93	36
PCB 1260	0.00250	0.00216	0.00204	86.4	81.6	8.00-140			5.71	38
(S) Decachlorobiphenyl				57.6	52.2	10.0-144				
(S) Tetrachloro-m-xylene				51.0	55.5	10.0-135				

Method Blank (MB)

(MB) R4109745-1 08/20/24 18:35

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,2,4,5-Tetrachlorobenzene	<0.00132		0.00132	0.00250
1,2,4-Trichlorobenzene	<0.00159		0.00159	0.00250
1,2-Dichlorobenzene	<0.00168		0.00168	0.00250
1,3-Dichlorobenzene	<0.00170		0.00170	0.00250
1,4-Dichlorobenzene	<0.00184		0.00184	0.00250
2,2-Oxybis(1-Chloropropane)	<0.00116		0.00116	0.00250
2,4,5-Trichlorophenol	<0.00193		0.00193	0.00250
2,4,6-Trichlorophenol	<0.00179		0.00179	0.00250
2,4-Dichlorophenol	<0.000820		0.000820	0.00250
2,4-Dimethylphenol	<0.00142		0.00142	0.00500
2,4-Dinitrophenol	<0.00115		0.00115	0.00500
2,4-Dinitrotoluene	<0.00265		0.00265	0.00500
2,6-Dichlorophenol	<0.00107		0.00107	0.00250
2,6-Dinitrotoluene	<0.00181		0.00181	0.00500
2-Chloronaphthalene	<0.00143		0.00143	0.00250
2-Chlorophenol	<0.000820		0.000820	0.00250
2-Methylphenol	<0.000760		0.000760	0.00500
2-Nitrophenol	<0.00169		0.00169	0.00250
3&4-Methyl Phenol	<0.000767		0.000767	0.00250
3,3-Dichlorobenzidine	<0.00265		0.00265	0.00500
4,6-Dinitro-2-methylphenol	<0.00150		0.00150	0.00500
4-Bromophenyl-phenylether	<0.00104		0.00104	0.00250
4-Chloro-3-methylphenol	<0.000865		0.000865	0.00250
4-Chlorophenyl-phenylether	<0.00140		0.00140	0.00250
4-Nitrophenol	<0.00164		0.00164	0.00500
Acenaphthene	<0.00134		0.00134	0.00250
Acenaphthylene	<0.00134		0.00134	0.00250
Acetophenone	<0.000788		0.000788	0.00250
Alpha-Terpineol	<0.000696		0.000696	0.00250
Aniline	<0.000536		0.000536	0.00250
Anthracene	<0.00111		0.00111	0.00250
Atrazine	<0.00167		0.00167	0.00250
Benzidine	<0.00311		0.00311	0.0100
Benzo(a)anthracene	<0.000933		0.000933	0.00250
Benzo(a)pyrene	<0.000941		0.000941	0.00250
Benzo(b)fluoranthene	<0.00102		0.00102	0.00250
Benzo(g,h,i)perylene	<0.00101		0.00101	0.00250
Benzo(k)fluoranthene	<0.000934		0.000934	0.00250
Benzoic acid	<0.00657		0.00657	0.0100
Benzylbutyl phthalate	<0.00143		0.00143	0.00250

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4109745-1 08/20/24 18:35

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Bis(2-chlorethoxy)methane	<0.000991		0.000991	0.00250
Bis(2-chloroethyl)ether	<0.00101		0.00101	0.00250
Bis(2-chloroisopropyl)ether	<0.00116		0.00116	0.00250
Bis(2-Ethylhexyl)phthalate	<0.00318		0.00318	0.00500
Carbazole	<0.00106		0.00106	0.00250
Chrysene	<0.00102		0.00102	0.00250
Di-n-butyl phthalate	<0.00120		0.00120	0.00250
Di-n-octyl phthalate	<0.00174		0.00174	0.00250
Dibenz(a,h)anthracene	<0.00110		0.00110	0.00250
Dibenzofuran	<0.00120		0.00120	0.00250
Diethyl phthalate	<0.000915		0.000915	0.00250
Dimethyl phthalate	<0.000878		0.000878	0.00250
Fluoranthene	<0.00114		0.00114	0.00250
Fluorene	<0.00131		0.00131	0.00250
Hexachloro-1,3-butadiene	<0.00176		0.00176	0.00250
Hexachlorobenzene	<0.000972		0.000972	0.00250
Hexachlorocyclopentadiene	<0.00117		0.00117	0.0100
Hexachloroethane	<0.00188		0.00188	0.00250
1,2-Diphenylhydrazine	<0.00124	N2	0.00124	0.00250
Indeno(1,2,3-cd)pyrene	<0.000984		0.000984	0.00250
Isophorone	<0.00183		0.00183	0.00250
n-Decane	<0.00158		0.00158	0.00250
n-Nitrosodi-n-butylamine	<0.000735		0.000735	0.00250
n-Nitrosodi-n-propylamine	<0.00107		0.00107	0.00250
n-Nitrosodiethylamine	<0.000925		0.000925	0.00250
n-Nitrosodimethylamine	<0.000651		0.000651	0.00250
n-Nitrosodiphenylamine	<0.000829		0.000829	0.00250
n-Octadecane	<0.00128		0.00128	0.00250
Naphthalene	<0.00200		0.00200	0.00250
Nitrobenzene	<0.00124		0.00124	0.00250
Nonylphenol	<0.00286		0.00286	0.00500
Pentachlorobenzene	<0.00134		0.00134	0.00250
Pentachlorophenol	<0.00210		0.00210	0.00500
Phenanthrene	<0.00113		0.00113	0.00250
Phenol	<0.000967		0.000967	0.00250
Pyrene	<0.00115		0.00115	0.00250
Pyridine	<0.00117		0.00117	0.00250
Total Cresols	<0.00153		0.00153	0.00750
(S) 2,4,6-Tribromophenol	48.6			29.0-132
(S) 2-Fluorobiphenyl	68.3			26.0-102

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4109745-1 08/20/24 18:35

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
(S) 2-Fluorophenol	26.1			10.0-66.0
(S) Nitrobenzene-d5	80.2			15.0-106
(S) p-Terphenyl-d14	101			10.0-120
(S) Phenol-d6	23.7			10.0-54.0

Laboratory Control Sample (LCS)

(LCS) R4109745-2 08/20/24 19:08

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,2,4,5-Tetrachlorobenzene	0.0500	0.0404	80.8	31.0-120	
1,2,4-Trichlorobenzene	0.0500	0.0351	70.2	44.0-142	
1,2-Dichlorobenzene	0.0500	0.0315	63.0	27.0-120	
1,3-Dichlorobenzene	0.0500	0.0301	60.2	26.0-120	
1,4-Dichlorobenzene	0.0500	0.0311	62.2	26.0-120	
2,2-Oxybis(1-Chloropropane)	0.0500	0.0398	79.6	36.0-166	
2,4,5-Trichlorophenol	0.0500	0.0422	84.4	44.0-124	
2,4,6-Trichlorophenol	0.0500	0.0420	84.0	37.0-144	
2,4-Dichlorophenol	0.0500	0.0389	77.8	39.0-135	
2,4-Dimethylphenol	0.0500	0.0347	69.4	32.0-120	
2,4-Dinitrophenol	0.0500	0.0243	48.6	1.00-191	
2,4-Dinitrotoluene	0.0500	0.0481	96.2	39.0-139	
2,6-Dichlorophenol	0.0500	0.0410	82.0	26.0-120	
2,6-Dinitrotoluene	0.0500	0.0483	96.6	50.0-158	
2-Chloronaphthalene	0.0500	0.0422	84.4	60.0-120	
2-Chlorophenol	0.0500	0.0352	70.4	23.0-134	
2-Methylphenol	0.0500	0.0324	64.8	26.0-120	
2-Nitrophenol	0.0500	0.0372	74.4	29.0-182	
3&4-Methyl Phenol	0.0500	0.0324	64.8	27.0-120	
3,3-Dichlorobenzidine	0.100	0.0971	97.1	1.00-262	
4,6-Dinitro-2-methylphenol	0.0500	0.0419	83.8	1.00-181	
4-Bromophenyl-phenylether	0.0500	0.0461	92.2	53.0-127	
4-Chloro-3-methylphenol	0.0500	0.0400	80.0	22.0-147	
4-Chlorophenyl-phenylether	0.0500	0.0459	91.8	25.0-158	
4-Nitrophenol	0.0500	0.0231	46.2	1.00-132	
Acenaphthene	0.0500	0.0427	85.4	47.0-145	
Acenaphthylene	0.0500	0.0436	87.2	33.0-145	
Acetophenone	0.0500	0.0453	90.6	28.0-120	
Alpha-Terpineol	0.0500	0.0451	90.2	30.0-120	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4109745-2 08/20/24 19:08

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Aniline	0.0500	0.0354	70.8	10.0-120	
Anthracene	0.0500	0.0488	97.6	27.0-133	
Atrazine	0.0500	0.0525	105	39.0-141	
Benzydine	0.100	0.0410	41.0	1.00-120	
Benzo(a)anthracene	0.0500	0.0498	99.6	33.0-143	
Benzo(a)pyrene	0.0500	0.0538	108	17.0-163	
Benzo(b)fluoranthene	0.0500	0.0499	99.8	24.0-159	
Benzo(g,h,i)perylene	0.0500	0.0473	94.6	1.00-219	
Benzo(k)fluoranthene	0.0500	0.0557	111	11.0-162	
Benzoic acid	0.100	0.0101	10.1	10.0-120	
Benzylbutyl phthalate	0.0500	0.0545	109	1.00-152	
Bis(2-chlorethoxy)methane	0.0500	0.0457	91.4	1.00-219	
Bis(2-chloroethyl)ether	0.0500	0.0403	80.6	33.0-185	
Bis(2-chloroisopropyl)ether	0.0500	0.0398	79.6	36.0-166	
Bis(2-Ethylhexyl)phthalate	0.0500	0.0542	108	8.00-158	
Carbazole	0.0500	0.0580	116	45.0-121	
Chrysene	0.0500	0.0504	101	17.0-168	
Di-n-butyl phthalate	0.0500	0.0512	102	1.00-120	
Di-n-octyl phthalate	0.0500	0.0536	107	4.00-146	
Dibenz(a,h)anthracene	0.0500	0.0495	99.0	1.00-227	
Dibenzofuran	0.0500	0.0447	89.4	42.0-120	
Diethyl phthalate	0.0500	0.0476	95.2	1.00-120	
Dimethyl phthalate	0.0500	0.0467	93.4	1.00-120	
Fluoranthene	0.0500	0.0484	96.8	26.0-137	
Fluorene	0.0500	0.0467	93.4	59.0-121	
Hexachloro-1,3-butadiene	0.0500	0.0308	61.6	24.0-120	
Hexachlorobenzene	0.0500	0.0459	91.8	1.00-152	
Hexachlorocyclopentadiene	0.0500	0.0205	41.0	10.0-120	
Hexachloroethane	0.0500	0.0298	59.6	40.0-120	
1,2-Diphenylhydrazine	0.0500	0.0484	96.8	37.0-125	<u>N2</u>
Indeno(1,2,3-cd)pyrene	0.0500	0.0484	96.8	1.00-171	
Isophorone	0.0500	0.0471	94.2	21.0-196	
n-Decane	0.0500	0.0265	53.0	10.0-127	
n-Nitrosodi-n-butylamine	0.0500	0.0467	93.4	39.0-127	
n-Nitrosodi-n-propylamine	0.0500	0.0466	93.2	1.00-230	
n-Nitrosodiethylamine	0.0500	0.0440	88.0	10.0-142	
n-Nitrosodimethylamine	0.0500	0.0243	48.6	10.0-120	
n-Nitrosodiphenylamine	0.0500	0.0470	94.0	44.0-120	
n-Octadecane	0.0500	0.0468	93.6	17.0-126	
Naphthalene	0.0500	0.0381	76.2	21.0-133	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4109745-2 08/20/24 19:08

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Nitrobenzene	0.0500	0.0431	86.2	35.0-180	
Nonylphenol	0.0500	0.0499	99.8	57.0-136	
Pentachlorobenzene	0.0500	0.0441	88.2	10.0-151	
Pentachlorophenol	0.0500	0.0311	62.2	14.0-176	
Phenanthrene	0.0500	0.0472	94.4	54.0-120	
Phenol	0.0500	0.0202	40.4	5.00-120	
Pyrene	0.0500	0.0487	97.4	52.0-120	
Pyridine	0.0500	0.0117	23.4	10.0-120	
Total Cresols	0.100	0.0648	64.8	36.0-110	
<i>(S) 2,4,6-Tribromophenol</i>			88.4	29.0-132	
<i>(S) 2-Fluorobiphenyl</i>			83.5	26.0-102	
<i>(S) 2-Fluorophenol</i>			43.7	10.0-66.0	
<i>(S) Nitrobenzene-d5</i>			87.7	15.0-106	
<i>(S) p-Terphenyl-d14</i>			101	10.0-120	
<i>(S) Phenol-d6</i>			39.0	10.0-54.0	

- ¹Cp
- ²Tc
- ³Ss
- ⁴Cn
- ⁵Sr
- ⁶Qc
- ⁷Gl
- ⁸Al
- ⁹Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B1	The blank depletion was greater than the recommended maximum depletion of 0.2mg/L.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
K9	Test replicates show more than 30% difference between high and low values.
N2	Analyte reported using a calibration and validation based on Azobenzene (CAS 103-33-3). 1,2-Diphenylhydrazine decomposes into Azobenzene during the analysis.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
V	The sample concentration is too high to evaluate accurate spike recoveries.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

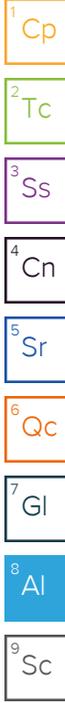
Pace Analytical Services, LLC -Dallas 400 W. Bethany Drive Suite 190 Allen, TX 75013

Arkansas	88-0647	Kansas	E10388
Florida	E871118	Texas	T104704232-23-39
Iowa	408	Oklahoma	8727
Louisiana	30686		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



ORIGIN ID: VCTA (361) 446-0565

SHIP DATE: 26 JUL 24
ACTWT: 50.00 LB MAN
CAD: 09172267CAFE3808

PACE
1606 E. BRZOS ST.
SUITE D
VICTORIA, TX 77901
UNITED STATES US

TO **SAMPLE RECEIVING**

PACE
400 W. BETHANY DR.
SUITE #190
ALLEN TX 75013

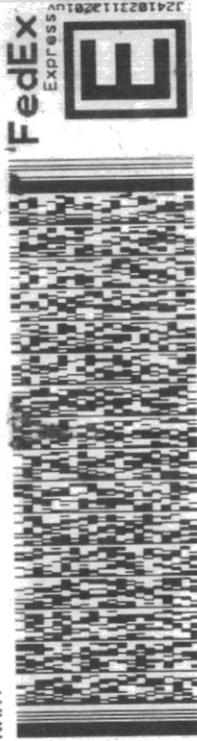
(972) 727-1123
INV. PO.

REF:

DEPT:

RMA:

585C3/2614/C64



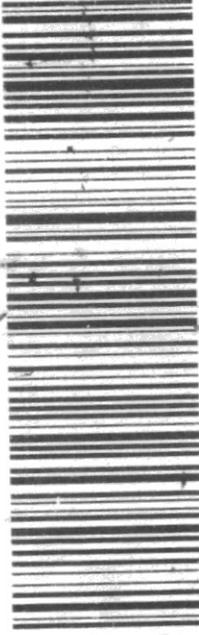
FedEx

TRK# 7387 0566 1790
10221

FRI - 16 AUG AA
PRIORITY OVERNIGHT

AD DNEA

75013
TX-US
DFW



56166/A:2D/C088



8.750



DC# Title: ENV-FRM-ALLE-0017 v15_Sample Condition Upon Receipt

Effective Date: 12/18/2023

Sample Condition Upon Receipt

Dallas Ft Worth Corpus Christi Austin
Project Work order (place label):

Client Name: Engle Pass Hydro

Courier: FedEX UPS USPS Client LSO PACE Other: _____

Tracking #: 7387 0566 1790

Custody Seal on Cooler/Box: Yes No 0C/11u

Received on ice: Wet Blue No ice

Receiving Lab 1 Thermometer Used: 1918 Cooler Temp °C: 18.4 (Recorded) 103 (Correction Factor) 18.7 (Actual)

Receiving Lab 2 Thermometer Used: _____ Cooler Temp °C: _____ (Recorded) _____ (Correction Factor) _____ (Actual)

Chain of Custody relinquished	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Sampler name & signature on COC	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Short HT analyses (<72 hrs)	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

Temperature should be above freezing to 6°C unless collected same day as receipt in which evidence of cooling is acceptable.

Triage Person: <u>OC</u> Date: <u>8/16</u>	
Sufficient Volume received	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Correct Container used	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Container Intact	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Sample pH Acceptable	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>
pH Strips: <u>6402007</u>	
Residual Chlorine Present	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA <input type="checkbox"/>
Cl Strips: <u>148100</u>	
Sulfide Present	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA <input type="checkbox"/>
Lead Acetate Strips: <u>148102</u>	
Are soil samples (volatiles, TPH) received in 5035A Kits (not applicable to TCLP VOA or PST Program TPH)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/>
Unpreserved 5035A soil frozen within 48 hrs	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/>
Headspace in VOA (>6mm)	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>
Project sampled in USDA Regulated Area outside of Texas	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/>
State Sampled: _____	
Non-Conformance(s): _____	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

Login Person: OC Date: 8/16

Labeling Person (if different than log-in): _____ Date: _____

Time estimate: oh

Time spent: oh

Members

OC Olivia Currie (responsible)  Lori Vahrenkamp

1. If Chain-of-custody (COC) is not received: contact client and if necessary, fill out a COC and indicate that it was filled out by lab personnel. Note issues on this NCF.

2. If COC is incomplete, check applicable issues below and add details where appropriate:

*Collection date/time missing or incorrect

*Analyses or analytes: missing or Clarification needed

*Samples listed on COC do not match samples received (missing, additional,etc.)

*Sample IDs on COC do not match sample Labels

*Required trip blanks were not received

*Required signatures are missing

3. Sample integrity issues: check applicable issues below and add details where appropriate:

*Samples: Past holding time

*Samples: Not Field Filtered

*samples: Insufficient volume received

*Samples: Cooler damaged or compromised

*Samples: contain Chlorine or Sulfide

*Samples: condition needs to be brought to lab personnel's attention (details below)

*Containers: Broken or compromised

*Containers: Incorrect

*Custody Seals: missing or compromised on samples, trip blanks or coolers

*Packing Material: Insufficient/Improper

*Preservation: improper

*Temperature: not within acceptance criteria (typically 0-6C)

*Temperature: Samples arrived frozen

*Vials received with improper headspace

*Other:

4. If Samples not preserved properly and Sample Receiving adjusts pH, add details below:

Sample ID: _____

Preserved by: _____

Date/Time: _____

Initial and Final pH: _____

Amount/type pres added: _____

Lot # of Pres added: _____

5. Client contact: If Client is Contacted for any issue listed above, fill in details below:

Client:

PM Initials:

Contacted per:

Date/Time:

Comments

Olivia Currie

16 August 2024 11:31 AM

- Samples received OOT at 18.7 Deg C; insufficient ice
- 3 of 3 vials received with headspace
- received only 1 pg of the COC, analyses logged per P#
- LLHG samples improperly, bottle was received in a bag with other containers, with the label directly on the glass exterior, clean hands/ clean bag method was not used

Lori Vahrenkamp

20 August 2024 2:22 PM

Proceed with requested analyses.

Company Name/Address: Eagle Pass Hydro WW Plant 1622 Maverick Industrial Park Rd. Eagle Pass, TX 78852		Billing Information: Eagle Pass Hydro WW Plant 1622 Maverick Industrial Park Rd. Eagle Pass, TX 78852		Pres Chk		Analysis / Container / Preservative				Chain of Custody Page ___ of ___			
Report to: Joe Martinez		Email To: maverickcid1@gmail.com								 ALLEN, TX <small>400 W. Bethany Drive Suite 100 Allen, TX 75013 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/lab/pas-standard-terms.pdf</small>			
Project Description: <i>Waste Water</i>		City/State Collected: <i>Eagle Pass TX</i>		Please Circle: PT MT CT ET						SDG # <i>L708231</i>			
Phone: 830-773-2011		Client Project # PERMIT RENEWAL WKA		Lab Project #						Table #			
Collected by (print): <i>Rene Henner Joe Martinez</i>		Site/Facility ID #		P.O. #						Acctnum: EAGPASEPTX			
Collected by (signature): <i>Rene Henner Joe Martinez</i>		Rush? (Lab MUST Be Notified) Same Day _____ Five Day _____ <input checked="" type="checkbox"/> Next Day _____ 5 Day (Rad Only) _____ Two Day _____ 10 Day (Rad Only) _____ Three Day _____		Quote #						Template: T255727			
Immediately Packed on ice N <input type="checkbox"/> Y <input checked="" type="checkbox"/>		Date Results Needed		No. of Cntrs						Prelogin: P1086486			
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BOD, cBOD, TDS 1L-HDPE NoPres	CN, CN-AM 250mlHDPE-NaOH	COD, NH3, TKN 250mlHDPE-H2SO4	Metals 250mlHDPE HNO3	PB: 3587 - Lori A Vahrenkamp	
WW PERMIT <i>Waste Water</i>		—	WW	—	8/15/24	10:01 AM	19	X	X	X	X	Shipped Via: FedEx Ground	
												Remarks	
												Sample # (lab only): <i>01</i>	
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other _____		Remarks: <i>1st collection was at 8:01 AM 8:15:24</i>		pH _____ Temp _____		Flow _____ Other _____						Sample Receipt Checklist COC Seal Present/Intact: <input type="checkbox"/> NP <input type="checkbox"/> Y <input type="checkbox"/> N COC Signed/Accurate: <input type="checkbox"/> Y <input type="checkbox"/> N Bottles arrive intact: <input type="checkbox"/> Y <input type="checkbox"/> N Correct bottles used: <input type="checkbox"/> Y <input type="checkbox"/> N Sufficient volume sent: <input type="checkbox"/> Y <input type="checkbox"/> N If Applicable VOA Zero Headspace: <input type="checkbox"/> Y <input type="checkbox"/> N Preservation Correct/Checked: <input type="checkbox"/> Y <input type="checkbox"/> N RAD Screen <0.5 mR/hr: <input type="checkbox"/> Y <input type="checkbox"/> N	
Relinquished by: (Signature) <i>Rene Henner</i>		Date: <i>8-15-24</i>	Time: <i>10:03 AM</i>	Received by: (Signature) <i>Oliver C. Pace ATX</i>		Trip Blank Received: Yes / No HCL / MeOH TBR						If preservation required by Login: Date/Time	
Relinquished by: (Signature) <i>FedEx</i>		Date: <i>8/16/24</i>	Time: <i>09:15</i>	Received by: (Signature) <i>Oliver C. Pace ATX</i>		Temp: _____ °C		Bottles Received:					
Relinquished by: (Signature) <i>Carla-Arpen Ramos</i>		Date: <i>8/20/24</i>	Time: <i>1700</i>	Received for lab by: (Signature) <i>FedEx</i>		Date: <i>8/20/24</i>		Time: <i>1700</i>		Hold:		Condition: NCF / OK	

TIAG 122321C

8/21/24 0900

ORIGIN ID: VCTA (361) 446-0566

SHIP DATE: 26JUL24
ACT WGT: 50.00 LB MAIN
CAD: 0917226/CPFE8006

PACE
1606 E BRACOS ST.
SUITE 0
VICTORIA TX 77901
UNITED STATES US

TO: **SAMPLE RECEIVING**

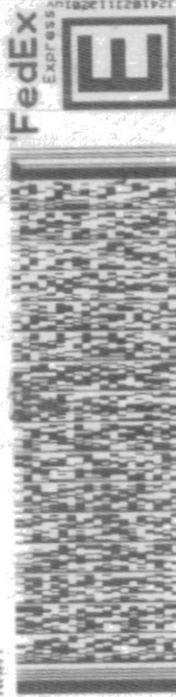
PACE

**400 W. BETHANY DR.
SUITE #190
ALLEN TX 75013**

(972) 727-1123
INV.
P.O.

DEPT.

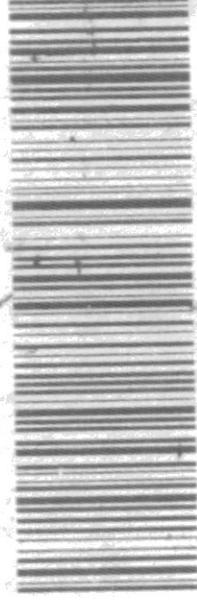
RMA:



**FRI - 16 AUG AA
PRIORITY OVERNIGHT**

FedEx
TRK# 7387 0566 1790
02721

AD DNEA
75013
TX-US
DFW



589CE/2614/C64



DC# Title: ENV-FRM-ALLE-0017 v15_Sample Condition Upon Receipt

Effective Date: 12/18/2023

Sample Condition Upon Receipt

Client Name: Eagle Pass Hydro Dallas Ft Worth Corpus Christi Austin
Courier: FedEX UPS USPS Client LSO PACE Other: Project Work order (place label):

Tracking #: 7387 0506 1790

Custody Seal on Cooler/Box: Yes No ~~Not~~ 08/16

Received on ice: Wet Blue No ice

Receiving Lab 1 Thermometer Used: 18.8 Cooler Temp °C: 18.4 (Recorded) 103 (Correction Factor) B-7 (Actual)
Receiving Lab 2 Thermometer Used: Cooler Temp °C: (Recorded) (Correction Factor)

Chain of Custody relinquished	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Sampler name & signature on COC	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Short HT analyses (<72 hrs)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

Temperature should be above freezing to 6°C unless collected same day as receipt in which evidence of cooling is acceptable.

Triage Person: OC Date: 8/16

Sufficient Volume received	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Correct Container used	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Container Intact	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Sample pH Acceptable	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
pH Strips: 6402007	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Residual Chlorine Present	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
CI Strips: 14860	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Sulfide Present	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Lead Acetate Strips: 14862	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Are soil samples (volatiles, TPH) received in 5035A Kits (not applicable to TCLP VOA or PST Program TPH)	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Unpreserved 5035A soil frozen within 48 hrs	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Headspace in VOA (>6mm)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Project sampled in USDA Regulated Area outside of Texas	Yes <input type="checkbox"/>	No <input type="checkbox"/>
State Sampled:	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Non-Conformance(s):	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

Login Person: OC Date: 8/16

Labeling Person (if different than log-in): Date:

SampleNum	Product	Statu	M#	--Collection--	-Rec'd-	HoldDate	DueDate
L1765859-01	ALLV8260EZ	NEED	4	08/09 @ 11:07	08/09/24	08/23/24	08/19/24
L1765859-02	ALLV8260EZ	NEED	4	08/09 @ 11:20	08/09/24	08/23/24	08/19/24
L1765859-03	ALLV8260EZ	NEED	4	08/09 @ 11:27	08/09/24	08/23/24	08/19/24
L1765859-04	ALLV8260EZ	NEED	4	08/09 @ 11:36	08/09/24	08/23/24	08/19/24
L1765859-05	ALLV8260EZ	NEED	4	08/09 @ 12:07	08/09/24	08/23/24	08/19/24
L1765859-06	ALLV8260EZ	NEED	4	08/09 @ 12:13	08/09/24	08/23/24	08/19/24
L1765859-07	ALLV8260EZ	NEED	4	08/09 @ 12:02	08/09/24	08/23/24	08/19/24
L1765859-08	ALLV8260EZ	NEED	4	08/09 @ 12:20	08/09/24	08/23/24	08/19/24
L1765859-09	ALLV8260EZ	NEED	4	08/09 @ 12:25	08/09/24	08/23/24	08/19/24
L1765859-10	ALLV8260EZ	NEED	4	08/09 @ 12:27	08/09/24	08/23/24	08/19/24
L1765860-01	ALLV8260EZ	NEED	4	08/09 @ 12:40	08/09/24	08/23/24	08/19/24
L1765860-02	ALLV8260EZ	NEED	4	08/09 @ 12:55	08/09/24	08/23/24	08/19/24
L1765861-01	ALLV8260EZ	NEED	4	08/09 @ 13:19	08/09/24	08/23/24	08/19/24
L1766482-01	ALLV8260BTEXEZ	NEED	4	08/12 @ 11:09	08/13/24	08/26/24	08/20/24
L1767058-01	ALLV8260BTEXEZ	NEED	4	08/13 @ 10:20	08/14/24	08/27/24	08/19/24
L1767058-02	ALLV8260BTEXEZ	NEED	4	08/13 @ 10:30	08/14/24	08/27/24	08/19/24
L1767058-03	ALLV8260BTEXEZ	NEED	4	08/13 @ 11:25	08/14/24	08/27/24	08/19/24
L1767758-01	ALLV8260EZ	NEED	4	08/14 @ 8:50	08/14/24	08/28/24	08/22/24
L1767758-02	ALLV8260EZ	NEED	4	08/14 @ 9:40	08/14/24	08/28/24	08/22/24
L1767758-03	ALLV8260EZ	NEED	4	08/14 @ 10:15	08/14/24	08/28/24	08/22/24
L1767758-04	ALLV8260EZ	NEED	4	08/14 @ 11:15	08/14/24	08/28/24	08/22/24
L1767758-05	ALLV8260EZ	NEED	4	08/14 @ 11:30	08/14/24	08/28/24	08/22/24
L1768246-01	ALLV8260BTEXMEZ	NEED	4	08/15 @ 9:35	08/16/24	08/29/24	08/23/24
L1768246-02	ALLV8260BTEXMEZ	NEED	4	08/15 @ 9:45	08/16/24	08/29/24	08/23/24
L1768246-03	ALLV8260BTEXMEZ	NEED	4	08/15 @ 12:05	08/16/24	08/29/24	08/23/24
L1768246-04	ALLV8260BTEXMEZ	NEED	4	08/15 @ 12:15	08/16/24	08/29/24	08/23/24
L1768246-05	ALLV8260BTEXMEZ	NEED	4	08/15 @ 15:00	08/16/24	08/29/24	08/23/24
L1768246-06	ALLV8260BTEXMEZ	NEED	4	08/15 @ 15:10	08/16/24	08/29/24	08/23/24
L1768402-01	ALLV8260BTEXMEZ	NEED	4	08/15 @ 13:20	08/16/24	08/29/24	08/23/24
L1768406-01	ALLV8260EZ	NEED	4	08/15 @ 10:15	08/16/24	08/29/24	08/23/24
L1768406-02	ALLV8260EZ	NEED	4	08/15 @ 10:40	08/16/24	08/29/24	08/23/24
L1768406-03	ALLV8260EZ	NEED	4	08/15 @ 10:50	08/16/24	08/29/24	08/23/24
L1768406-04	ALLV8260EZ	NEED	4	08/15 @ 11:15	08/16/24	08/29/24	08/23/24
L1768406-05	ALLV8260EZ	NEED	4	08/15 @ 11:40	08/16/24	08/29/24	08/23/24



August 28, 2024

Jeremy Watkins
Pace Analytical Dallas
400 West Bethany Drive
Suite 190
Allen, TX 75013

RE: Project: L1768231 WW PERMIT RENEWAL WK1
Pace Project No.: 40282929

Dear Jeremy Watkins:

Enclosed are the analytical results for sample(s) received by the laboratory on August 21, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angela Lane
angela.lane@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Client Services, Pace Analytical Allen



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: L1768231 WW PERMIT RENEWAL WK1

Pace Project No.: 40282929

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-21-8

Virginia VELAP Certification ID: 11873

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-21-00008

Federal Fish & Wildlife Permit #: 51774A

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: L1768231 WW PERMIT RENEWAL WK1
Pace Project No.: 40282929

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40282929001	WW PERMIT	Water	08/15/24 10:01	08/21/24 09:30

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SAMPLE ANALYTE COUNT

Project: L1768231 WW PERMIT RENEWAL WK1
Pace Project No.: 40282929

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40282929001	WW PERMIT	EPA 1631E	MRP	1

PASI-G = Pace Analytical Services - Green Bay

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ANALYTICAL RESULTS

Project: L1768231 WW PERMIT RENEWAL WK1

Pace Project No.: 40282929

Sample: WW PERMIT		Lab ID: 40282929001	Collected: 08/15/24 10:01	Received: 08/21/24 09:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1631E Mercury, Low Level		Analytical Method: EPA 1631E Preparation Method: EPA 1631E Pace Analytical Services - Green Bay						
Mercury	ND	ng/L	0.51	1	08/22/24 16:38	08/27/24 12:58	7439-97-6	1q

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QUALITY CONTROL DATA

Project: L1768231 WW PERMIT RENEWAL WK1

Pace Project No.: 40282929

QC Batch: 482627	Analysis Method: EPA 1631E
QC Batch Method: EPA 1631E	Analysis Description: 1631E Mercury
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40282929001

METHOD BLANK: 2763972 Matrix: Water

Associated Lab Samples: 40282929001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ng/L	ND	0.50	08/27/24 12:48	

METHOD BLANK: 2763973 Matrix: Water

Associated Lab Samples: 40282929001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ng/L	ND	0.50	08/27/24 13:53	

METHOD BLANK: 2763974 Matrix: Water

Associated Lab Samples: 40282929001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ng/L	ND	0.50	08/27/24 14:53	

METHOD BLANK: 2763975 Matrix: Water

Associated Lab Samples: 40282929001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ng/L	ND	0.53	08/27/24 12:53	

LABORATORY CONTROL SAMPLE: 2763976

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ng/L	5	5.06	101	79-121	

LABORATORY CONTROL SAMPLE: 2763977

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ng/L	5	5.22	104	79-121	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: L1768231 WW PERMIT RENEWAL WK1

Pace Project No.: 40282929

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2765634												2765635	
Parameter	Units	40282701001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Mercury	ng/L	1.40	2	2	3.53	3.48	107	104	75-125	2	24		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2765636												2765637	
Parameter	Units	40282939001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Mercury	ng/L	33.3	105	105	131	130	93	92	75-125	1	24		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: L1768231 WW PERMIT RENEWAL WK1

Pace Project No.: 40282929

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1q Sample Received With Headspace

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: L1768231 WW PERMIT RENEWAL WK1
Pace Project No.: 40282929

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40282929001	WW PERMIT	EPA 1631E	482627	EPA 1631E	483000

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: PAU TX

WO#: 40282929

Courier: CS Logistics Fed Ex Speedee UPS Walco
 Client Pace Other: _____



Tracking #: 410446125446

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR - N/A Type of Ice: Wet Blue Dry None Meltwater Only

Cooler Temperature Uncorr. MA /Corr: _____

Temp Blank Present: yes no Biological Tissue is Frozen: yes no

Person examining contents:
 Date: 8/21/22 /Initials: MLH
 Labeled By Initials: gn

Temp should be above freezing to 6°C.
 Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	4. <u>IRMO met 8/21/22</u>
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- DI VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Correct Type: Pace Green Bay, <u>Pace IR</u> , Non-Pace		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		<u>Client time is 0935 met 8/21/22</u>
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution: _____ If checked, see attached form for additional comments
 Person Contacted: _____ Date/Time: _____
 Comments/ Resolution: _____

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logi



TEXAS COMMISSION ON ENVIRONMENTAL
QUALITY

P.O. Box 13087
Austin, Texas 78711-3087

TPDES PERMIT NO.
WQ0004149000
*[For TCEQ office use only -
EPA I.D. No. TX0119580]*

This renewal replaces TPDES Permit
No. WQ0004149000, issued on
January 6, 2020.

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

Maverick County Water Control and Improvement District No. 1

whose mailing address is

1622 Maverick Industrial Park Road
Eagle Pass, Texas 78852

is authorized to treat and discharge wastes from Eagle Pass Power Station, a hydroelectric power
generation plant (SIC 4911)

located at 264 Power Plant Road, near the City of Eagle Pass, Maverick County, Texas 78852

to the Maverick County Canal, thence to Rio Grande Below Amistad Reservoir in Segment No. 2304 of
the Rio Grande Basin

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

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

ISSUED DATE:

For the Commission

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Outfall Number 001

1. During the period beginning upon the date of permit issuance and lasting through the date of permit expiration, the permittee is authorized to discharge turbine leakage subject to the following effluent limitations:

The daily maximum flow shall not exceed 0.0288 MGD ¹.

Effluent Characteristics	Discharge Limitations			Minimum Self-Monitoring Requirements	
	Daily Average mg/L Report MGD ¹	Daily Maximum mg/L 0.0288 MGD	Single Grab mg/L N/A	Report Daily Average and Daily Maximum Measurement Frequency 1/day ²	Sample Type Estimated
Flow					
Oil and Grease	15	20	20	1/week ²	Grab

2. The pH must not be less than 6.0 standard units nor greater than 9.0 standard units and must be monitored 1/week ² by grab sample.
3. There must be no discharge of floating solids or visible foam in other than trace amounts and no discharge of visible oil.
4. Effluent monitoring samples shall be taken at Outfall 001, where effluent is evacuated from the sump into the discharge pipe.

¹ MGD = million gallons per day.

² When discharge occurs.

DEFINITIONS AND STANDARD PERMIT CONDITIONS

As required by Title 30 Texas Administrative Code (TAC) Chapter 305, certain regulations appear as standard conditions in waste discharge permits. 30 TAC §§305.121 - 305.129 (relating to Permit Characteristics and Conditions) as promulgated under the Texas Water Code (TWC) §§5.103 and 5.105, and the Texas Health and Safety Code (THSC) §§361.017 and 361.024(a), establish the characteristics and standards for waste discharge permits, including sewage sludge, and those sections of 40 Code of Federal Regulations (CFR) Part 122 adopted by reference by the Commission. The following text includes these conditions and incorporates them into this permit. All definitions in Texas Water Code §26.001 and 30 TAC Chapter 305 shall apply to this permit and are incorporated by reference. Some specific definitions of words or phrases used in this permit are as follows:

1. Flow Measurements

- a. Annual average flow - the arithmetic average of all daily flow determinations taken within the preceding 12 consecutive calendar months. The annual average flow determination shall consist of daily flow volume determinations made by a totalizing meter, charted on a chart recorder, and limited to major domestic wastewater discharge facilities with a one million gallons per day or greater permitted flow.
- b. Daily average flow - the arithmetic average of all determinations of the daily flow within a period of one calendar month. The daily average flow determination shall consist of determinations made on at least four separate days. If instantaneous measurements are used to determine the daily flow, the determination shall be the arithmetic average of all instantaneous measurements taken during that month. Daily average flow determination for intermittent discharges shall consist of a minimum of three flow determinations on days of discharge.
- c. Daily maximum flow - the highest total flow for any 24-hour period in a calendar month.
- d. Instantaneous flow - the measured flow during the minimum time required to interpret the flow measuring device.
- e. 2-hour peak flow (domestic wastewater treatment plants) - the maximum flow sustained for a two-hour period during the period of daily discharge. The average of multiple measurements of instantaneous maximum flow within a two-hour period may be used to calculate the 2-hour peak flow.
- f. Maximum 2-hour peak flow (domestic wastewater treatment plants) - the highest 2-hour peak flow for any 24-hour period in a calendar month.

2. Concentration Measurements

- a. Daily average concentration - the arithmetic average of all effluent samples, composite or grab as required by this permit, within a period of one calendar month, consisting of at least four separate representative measurements.
 - i. For domestic wastewater treatment plants - When four samples are not available in a calendar month, the arithmetic average (weighted by flow) of all values in the previous four consecutive month period consisting of at least four measurements shall be utilized as the daily average concentration.
 - ii. For all other wastewater treatment plants - When four samples are not available in a calendar month, the arithmetic average (weighted by flow) of all values taken during the month shall be utilized as the daily average concentration.
- b. 7-day average concentration - the arithmetic average of all effluent samples, composite or grab as required by this permit, within a period of one calendar week, Sunday through Saturday.
- c. Daily maximum concentration - the maximum concentration measured on a single day, by the sample type specified in the permit, within a period of one calendar month.
- d. Daily discharge - the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in terms of mass, the "daily discharge" is calculated as the total

mass of the pollutant discharged over the sampling day. For pollutants with limitations expressed in other units of measurement, the “daily discharge” is calculated as the average measurement of the pollutant over the sampling day.

The “daily discharge” determination of concentration made using a composite sample shall be the concentration of the composite sample. When grab samples are used, the “daily discharge” determination of concentration shall be the arithmetic average (weighted by flow value) of all samples collected during that day.

- e. Bacteria concentration (Fecal coliform, *E. coli*, or Enterococci) – the number of colonies of bacteria per 100 milliliters effluent. The daily average bacteria concentration is a geometric mean of the values for the effluent samples collected in a calendar month. The geometric mean shall be determined by calculating the n th root of the product of all measurements made in a calendar month, where n equals the number of measurements made; or computed as the antilogarithm of the arithmetic mean of the logarithms of all measurements made in a calendar month. For any measurement of bacteria equaling zero, a substitute value of one shall be made for input into either computation method. If specified, the 7-day average for bacteria is the geometric mean of the values for all effluent samples collected during a calendar week.
- f. Daily average loading (lbs/day) - the arithmetic average of all daily discharge loading calculations during a period of one calendar month. These calculations must be made for each day of the month that a parameter is analyzed. The daily discharge, in terms of mass (lbs/day), is calculated as $(\text{Flow, MGD} \times \text{Concentration, mg/L} \times 8.34)$.
- g. Daily maximum loading (lbs/day) - the highest daily discharge, in terms of mass (lbs/day), within a period of one calendar month.

3. Sample Type

- a. Composite sample - For domestic wastewater, a composite sample is a sample made up of a minimum of three effluent portions collected in a continuous 24-hour period or during the period of daily discharge if less than 24 hours, and combined in volumes proportional to flow, and collected at the intervals required by 30 TAC §319.9(a). For industrial wastewater, a composite sample is a sample made up of a minimum of three effluent portions collected in a continuous 24-hour period or during the period of daily discharge if less than 24 hours, and combined in volumes proportional to flow, and collected at the intervals required by 30 TAC §319.9(c).
 - b. Grab sample - an individual sample collected in less than 15 minutes.
4. Treatment Facility (facility) - wastewater facilities used in the conveyance, storage, treatment, recycling, reclamation or disposal of domestic sewage, industrial wastes, agricultural wastes, recreational wastes, or other wastes including sludge handling or disposal facilities under the jurisdiction of the Commission.
 5. The term “sewage sludge” is defined as solid, semi-solid, or liquid residue generated during the treatment of domestic sewage in 30 TAC Chapter 312. This includes the solids that have not been classified as hazardous waste separated from wastewater by unit processes.
 6. Bypass - the intentional diversion of a waste stream from any portion of a treatment facility.

MONITORING AND REPORTING REQUIREMENTS

1. Self-Reporting

Monitoring results shall be provided at the intervals specified in the permit. Unless otherwise specified in this permit or otherwise ordered by the Commission, the permittee shall conduct effluent sampling and reporting in accordance with 30 TAC §§319.4 - 319.12. Unless otherwise specified, effluent monitoring data shall be submitted each month, to the Enforcement Division (MC 224), by the 20th day of the following month for each discharge that is described by this permit whether or not a discharge is made for that month. Monitoring results must be submitted online using the NetDMR reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver. Monitoring results must be signed and certified as required by Monitoring and Reporting Requirements No. 10.

As provided by state law, the permittee is subject to administrative, civil and criminal penalties, as applicable, for negligently or knowingly violating the Clean Water Act; TWC Chapters 26, 27, and 28; and THSC Chapter 361, including but not limited to knowingly making any false statement, representation, or certification on any report, record, or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance, or falsifying, tampering with or knowingly rendering inaccurate any monitoring device or method required by this permit or violating any other requirement imposed by state or federal regulations.

2. Test Procedures

- a. Unless otherwise specified in this permit, test procedures for the analysis of pollutants shall comply with procedures specified in 30 TAC §§319.11 - 319.12. Measurements, tests, and calculations shall be accurately accomplished in a representative manner.
- b. All laboratory tests submitted to demonstrate compliance with this permit must meet the requirements of 30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification.

3. Records of Results

- a. Monitoring samples and measurements shall be taken at times and in a manner so as to be representative of the monitored activity.
- b. Except for records of monitoring information required by this permit related to the permittee's sewage sludge use and disposal activities, which shall be retained for a period of at least five years (or longer as required by 40 CFR Part 503), monitoring and reporting records, including strip charts and records of calibration and maintenance, copies of all records required by this permit, records of all data used to complete the application for this permit, and the certification required by 40 CFR §264.73(b)(9) shall be retained at the facility site, or shall be readily available for review by a TCEQ representative for a period of three years from the date of the record or sample, measurement, report, application or certification. This period shall be extended at the request of the Executive Director.
- c. Records of monitoring activities shall include the following:
 - i. date, time, and place of sample or measurement;
 - ii. identity of individual who collected the sample or made the measurement;
 - iii. date and time of analysis;
 - iv. identity of the individual and laboratory who performed the analysis;
 - v. the technique or method of analysis; and
 - vi. the results of the analysis or measurement and quality assurance/quality control records.

The period during which records are required to be kept shall be automatically extended to the date of the final disposition of any administrative or judicial enforcement action that may be instituted against the permittee.

4. Additional Monitoring by Permittee

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit using approved analytical methods as specified above, all results of such monitoring shall be included in the calculation and reporting of the values submitted on the approved self-report form. Increased frequency of sampling shall be indicated on the self-report form.

5. Calibration of Instruments

All automatic flow measuring or recording devices and all totalizing meters for measuring flows shall be accurately calibrated by a trained person at plant start-up and as often thereafter as necessary to ensure accuracy, but not less often than annually unless authorized by the Executive Director for a longer period. Such person shall verify in writing that the device is operating properly and giving accurate results. Copies of the verification shall be retained at the facility site or shall be readily available for review by a TCEQ representative for a period of three years.

6. Compliance Schedule Reports

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of the permit shall be submitted no later than 14 days following each schedule date to the regional office and the Enforcement Division (MC 224).

7. Noncompliance Notification

- a. In accordance with 30 TAC §305.125(9) any noncompliance that may endanger human health or safety, or the environment shall be reported by the permittee to the TCEQ. Report of such information shall be provided orally or by facsimile transmission (FAX) to the regional office within 24 hours of becoming aware of the noncompliance. A written submission of such information shall also be provided by the permittee to the regional office and the Enforcement Division (MC 224) within five working days of becoming aware of the noncompliance. For Publicly Owned Treatment Works (POTWs), effective September 1, 2020, the permittee must submit the written report for unauthorized discharges and unanticipated bypasses that exceed any effluent limit in the permit using the online electronic reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver. The written submission shall contain a description of the noncompliance and its cause; the potential danger to human health or safety, or the environment; the period of noncompliance, including exact dates and times; if the noncompliance has not been corrected, the time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance, and to mitigate its adverse effects.
- b. The following violations shall be reported under Monitoring and Reporting Requirement 7.a.:
 - i. unauthorized discharges as defined in Permit Condition 2(g).
 - ii. any unanticipated bypass that exceeds any effluent limitation in the permit.
 - iii. violation of a permitted maximum daily discharge limitation for pollutants listed specifically in the Other Requirements section of an Industrial TPDES permit.
- c. In addition to the above, any effluent violation that deviates from the permitted effluent limitation by more than 40% shall be reported by the permittee in writing to the regional office and the Enforcement Division (MC 224) within 5 working days of becoming aware of the noncompliance.
- d. Any noncompliance other than that specified in this section, or any required information not submitted or submitted incorrectly, shall be reported to the Enforcement Division (MC 224) as promptly as possible. For effluent limitation violations, noncompliances shall be reported on the approved self-report form.

8. In accordance with the procedures described in 30 TAC §§35.301 - 35.303 (relating to Water Quality Emergency and Temporary Orders) if the permittee knows in advance of the need for a bypass, it shall submit prior notice by applying for such authorization.

9. Changes in Discharges of Toxic Substances

All existing manufacturing, commercial, mining, and silvicultural permittees shall notify the regional office, orally or by facsimile transmission within 24 hours, and both the regional office and the Enforcement Division (MC 224) in writing within five (5) working days, after becoming aware of or having reason to believe:

- a. That any activity has occurred or will occur that would result in the discharge, on a routine or frequent basis, of any toxic pollutant listed at 40 CFR Part 122, Appendix D, Tables II and III (excluding Total Phenols) that is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
 - i. one hundred micrograms per liter (100 µg/L);
 - ii. two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
 - iii. five (5) times the maximum concentration value reported for that pollutant in the permit application; or
 - iv. the level established by the TCEQ.

- b. That any activity has occurred or will occur that would result in any discharge, on a nonroutine or infrequent basis, of a toxic pollutant that is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
 - i. five hundred micrograms per liter (500 µg/L);
 - ii. one milligram per liter (1 mg/L) for antimony;
 - iii. ten (10) times the maximum concentration value reported for that pollutant in the permit application; or
 - iv. the level established by the TCEQ.

10. Signatories to Reports

All reports and other information requested by the Executive Director shall be signed by the person and in the manner required by 30 TAC §305.128 (relating to Signatories to Reports).

11. All POTWs must provide adequate notice to the Executive Director of the following:

- a. any new introduction of pollutants into the POTW from an indirect discharger that would be subject to CWA §301 or §306 if it were directly discharging those pollutants;
- b. any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of issuance of the permit; and
- c. for the purpose of this paragraph, adequate notice shall include information on:
 - i. the quality and quantity of effluent introduced into the POTW; and
 - ii. any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW.

PERMIT CONDITIONS

1. General

- a. When the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in an application or in any report to the Executive Director, it shall promptly submit such facts or information.
- b. This permit is granted on the basis of the information supplied and representations made by the permittee during action on an application, and relying upon the accuracy and completeness of that information and those representations. After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked, in whole or in part, in accordance with 30 TAC Chapter 305, Subchapter D, during its term for good cause including, but not limited to, the following:
 - i. violation of any terms or conditions of this permit;
 - ii. obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
 - iii. a change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.
- c. The permittee shall furnish to the Executive Director, upon request and within a reasonable time, any information to determine whether cause exists for amending, revoking, suspending, or terminating the permit. The permittee shall also furnish to the Executive Director, upon request, copies of records required to be kept by the permit.

2. Compliance

- a. Acceptance of the permit by the person to whom it is issued constitutes acknowledgment and agreement that such person will comply with all the terms and conditions embodied in the permit, and the rules and other orders of the Commission.
- b. The permittee has a duty to comply with all conditions of the permit. Failure to comply with any permit condition constitutes a violation of the permit and the Texas Water Code or the Texas Health and Safety Code, and is grounds for enforcement action, for permit amendment,

revocation, or suspension, or for denial of a permit renewal application or an application for a permit for another facility.

- c. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit.
- d. The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal or other permit violation that has a reasonable likelihood of adversely affecting human health or the environment.
- e. Authorization from the Commission is required before beginning any change in the permitted facility or activity that may result in noncompliance with any permit requirements.
- f. A permit may be amended, suspended and reissued, or revoked for cause in accordance with 30 TAC §§305.62 and 305.66 and TWC §7.302. The filing of a request by the permittee for a permit amendment, suspension and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.
- g. There shall be no unauthorized discharge of wastewater or any other waste. For the purpose of this permit, an unauthorized discharge is considered to be any discharge of wastewater into or adjacent to water in the state at any location not permitted as an outfall or otherwise defined in the Other Requirements section of this permit.
- h. In accordance with 30 TAC §305.535(a), the permittee may allow any bypass to occur from a TPDES permitted facility that does not cause permitted effluent limitations to be exceeded or an unauthorized discharge to occur, but only if the bypass is also for essential maintenance to assure efficient operation.
- i. The permittee is subject to administrative, civil, and criminal penalties, as applicable, under Texas Water Code §§7.051 - 7.075 (relating to Administrative Penalties), 7.101 - 7.111 (relating to Civil Penalties), and 7.141 - 7.202 (relating to Criminal Offenses and Penalties) for violations including, but not limited to, negligently or knowingly violating the federal CWA §§301, 302, 306, 307, 308, 318, or 405, or any condition or limitation implementing any sections in a permit issued under the CWA §402, or any requirement imposed in a pretreatment program approved under the CWA §§402(a)(3) or 402(b)(8).

3. Inspections and Entry

- a. Inspection and entry shall be allowed as prescribed in the TWC Chapters 26, 27, and 28, and THSC Chapter 361.
- b. The members of the Commission and employees and agents of the Commission are entitled to enter any public or private property at any reasonable time for the purpose of inspecting and investigating conditions relating to the quality of water in the state or the compliance with any rule, regulation, permit, or other order of the Commission. Members, employees, or agents of the Commission and Commission contractors are entitled to enter public or private property at any reasonable time to investigate or monitor or, if the responsible party is not responsive or there is an immediate danger to public health or the environment, to remove or remediate a condition related to the quality of water in the state. Members, employees, Commission contractors, or agents acting under this authority who enter private property shall observe the establishment's rules and regulations concerning safety, internal security, and fire protection, and if the property has management in residence, shall notify management or the person then in charge of his presence and shall exhibit proper credentials. If any member, employee, Commission contractor, or agent is refused the right to enter in or on public or private property under this authority, the Executive Director may invoke the remedies authorized in TWC §7.002. The statement above, that Commission entry shall occur in accordance with an establishment's rules and regulations concerning safety, internal security, and fire protection, is not grounds for denial or restriction of entry to any part of the facility, but merely describes the Commission's duty to observe appropriate rules and regulations during an inspection.

4. Permit Amendment or Renewal

- a. The permittee shall give notice to the Executive Director as soon as possible of any planned physical alterations or additions to the permitted facility if such alterations or additions would require a permit amendment or result in a violation of permit requirements. Notice shall also be required under this paragraph when:
 - i. the alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in accordance with 30 TAC §305.534 (relating to New Sources and New Dischargers); or
 - ii. the alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants that are subject neither to effluent limitations in the permit, nor to notification requirements in Monitoring and Reporting Requirements No. 9; or
 - iii. the alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.
- b. Prior to any facility modifications, additions, or expansions that will increase the plant capacity beyond the permitted flow, the permittee must apply for and obtain proper authorization from the Commission before commencing construction.
- c. The permittee must apply for an amendment or renewal at least 180 days prior to expiration of the existing permit in order to continue a permitted activity after the expiration date of the permit. If an application is submitted prior to the expiration date of the permit, the existing permit shall remain in effect until the application is approved, denied, or returned. If the application is returned or denied, authorization to continue such activity shall terminate upon the effective date of the action. If an application is not submitted prior to the expiration date of the permit, the permit shall expire and authorization to continue such activity shall terminate.
- d. Prior to accepting or generating wastes that are not described in the permit application or that would result in a significant change in the quantity or quality of the existing discharge, the permittee must report the proposed changes to the Commission. The permittee must apply for a permit amendment reflecting any necessary changes in permit conditions, including effluent limitations for pollutants not identified and limited by this permit.
- e. In accordance with the TWC §26.029(b), after a public hearing, notice of which shall be given to the permittee, the Commission may require the permittee, from time to time, for good cause, in accordance with applicable laws, to conform to new or additional conditions.
- f. If any toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is promulgated under CWA §307(a) for a toxic pollutant that is present in the discharge and that standard or prohibition is more stringent than any limitation on the pollutant in this permit, this permit shall be modified or revoked and reissued to conform to the toxic effluent standard or prohibition. The permittee shall comply with effluent standards or prohibitions established under CWA §307(a) for toxic pollutants within the time provided in the regulations that established those standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.

5. Permit Transfer

- a. Prior to any transfer of this permit, Commission approval must be obtained. The Commission shall be notified in writing of any change in control or ownership of facilities authorized by this permit. Such notification should be sent to the Applications Review and Processing Team (MC 148) of the Water Quality Division.
- b. A permit may be transferred only according to the provisions of 30 TAC §305.64 (relating to Transfer of Permits) and 30 TAC §50.133 (relating to Executive Director Action on Application or WQMP update).

6. Relationship to Hazardous Waste Activities

This permit does not authorize any activity of hazardous waste storage, processing, or disposal that requires a permit or other authorization pursuant to the Texas Health and Safety Code.

7. Relationship to Water Rights

Disposal of treated effluent by any means other than discharge directly to water in the state must be specifically authorized in this permit and may require a permit pursuant to Texas Water Code Chapter 11.

8. Property Rights

A permit does not convey any property rights of any sort, or any exclusive privilege.

9. Permit Enforceability

The conditions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstances, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

10. Relationship to Permit Application

The application pursuant to which the permit has been issued is incorporated herein; provided, however, that in the event of a conflict between the provisions of this permit and the application, the provisions of the permit shall control.

11. Notice of Bankruptcy.

a. Each permittee shall notify the Executive Director, in writing, immediately following the filing of a voluntary or involuntary petition for bankruptcy under any chapter of Title 11 (Bankruptcy) of the United States Code (11 USC) by or against:

- i. the permittee;
- ii. an entity (as that term is defined in 11 USC, §101(15)) controlling the permittee or listing the permit or permittee as property of the estate; or
- iii. an affiliate (as that term is defined in 11 USC, §101(2)) of the permittee.

b. This notification must indicate:

- i. the name of the permittee;
- ii. the permit number(s);
- iii. the bankruptcy court in which the petition for bankruptcy was filed; and
- iv. the date of filing of the petition.

OPERATIONAL REQUIREMENTS

1. The permittee shall at all times ensure that the facility and all of its systems of collection, treatment, and disposal are properly operated and maintained. This includes, but is not limited to, the regular, periodic examination of wastewater solids within the treatment plant by the operator in order to maintain an appropriate quantity and quality of solids inventory as described in the various operator training manuals and according to accepted industry standards for process control. Process control, maintenance, and operations records shall be retained at the facility site, or shall be readily available for review by a TCEQ representative, for a period of three years.
2. Upon request by the Executive Director, the permittee shall take appropriate samples and provide proper analysis in order to demonstrate compliance with Commission rules. Unless otherwise specified in this permit or otherwise ordered by the Commission, the permittee shall comply with all applicable provisions of 30 TAC Chapter 312 concerning sewage sludge use and disposal and 30 TAC §§319.21 - 319.29 concerning the discharge of certain hazardous metals.

3. Domestic wastewater treatment facilities shall comply with the following provisions:
 - a. The permittee shall notify the Municipal Permits Team, Wastewater Permitting Section (MC 148) of the Water Quality Division, in writing, of any facility expansion at least 90 days prior to conducting such activity.
 - b. The permittee shall submit a closure plan for review and approval to the Municipal Permits Team, Wastewater Permitting Section (MC 148) of the Water Quality Division, for any closure activity at least 90 days prior to conducting such activity. Closure is the act of permanently taking a waste management unit or treatment facility out of service and includes the permanent removal from service of any pit, tank, pond, lagoon, surface impoundment or other treatment unit regulated by this permit.
4. The permittee is responsible for installing prior to plant start-up, and subsequently maintaining, adequate safeguards to prevent the discharge of untreated or inadequately treated wastes during electrical power failures by means of alternate power sources, standby generators, or retention of inadequately treated wastewater.
5. Unless otherwise specified, the permittee shall provide a readily accessible sampling point and, where applicable, an effluent flow measuring device or other acceptable means by which effluent flow may be determined.
6. The permittee shall remit an annual water quality fee to the Commission as required by 30 TAC Chapter 21. Failure to pay the fee may result in revocation of this permit under TWC §7.302(b)(6).
7. Documentation

For all written notifications to the Commission required of the permittee by this permit, the permittee shall keep and make available a copy of each such notification under the same conditions as self-monitoring data are required to be kept and made available. Except for information required for TPDES permit applications, effluent data, including effluent data in permits, draft permits and permit applications, and other information specified as not confidential in 30 TAC §1.5(d), any information submitted pursuant to this permit may be claimed as confidential by the submitter. Any such claim must be asserted in the manner prescribed in the application form or by stamping the words "confidential business information" on each page containing such information. If no claim is made at the time of submission, information may be made available to the public without further notice. If the Commission or Executive Director agrees with the designation of confidentiality, the TCEQ will not provide the information for public inspection unless required by the Texas Attorney General or a court pursuant to an open records request. If the Executive Director does not agree with the designation of confidentiality, the person submitting the information will be notified.

8. Facilities that generate domestic wastewater shall comply with the following provisions; domestic wastewater treatment facilities at permitted industrial sites are excluded.
 - a. Whenever flow measurements for any domestic sewage treatment facility reach 75% of the permitted daily average or annual average flow for three consecutive months, the permittee must initiate engineering and financial planning for expansion or upgrading of the domestic wastewater treatment or collection facilities. Whenever the flow reaches 90% of the permitted daily average or annual average flow for three consecutive months, the permittee shall obtain necessary authorization from the Commission to commence construction of the necessary additional treatment or collection facilities. In the case of a domestic wastewater treatment facility that reaches 75% of the permitted daily average or annual average flow for three consecutive months, and the planned population to be served or the quantity of waste produced is not expected to exceed the design limitations of the treatment facility, the permittee shall submit an engineering report supporting this claim to the Executive Director of the Commission.

If in the judgment of the Executive Director the population to be served will not cause permit noncompliance, then the requirement of this section may be waived. To be effective, any waiver must be in writing and signed by the Director of the Enforcement Division (MC 219) of the Commission, and such waiver of these requirements will be reviewed upon expiration of the existing permit; however, any such waiver shall not be interpreted as condoning or excusing any violation of any permit parameter.

- b. The plans and specifications for domestic sewage collection and treatment works associated with any domestic permit must be approved by the Commission, and failure to secure approval before commencing construction of such works or making a discharge is a violation of this permit and each day is an additional violation until approval has been secured.
 - c. Permits for domestic wastewater treatment plants are granted subject to the policy of the Commission to encourage the development of area-wide waste collection, treatment, and disposal systems. The Commission reserves the right to amend any domestic wastewater permit in accordance with applicable procedural requirements to require the system covered by this permit to be integrated into an area-wide system, should such be developed; to require the delivery of the wastes authorized to be collected in, treated by or discharged from said system, to such area-wide system; or to amend this permit in any other particular to effectuate the Commission's policy. Such amendments may be made when the changes required are advisable for water quality control purposes and are feasible on the basis of waste treatment technology, engineering, financial, and related considerations existing at the time the changes are required, exclusive of the loss of investment in or revenues from any then existing or proposed waste collection, treatment or disposal system.
9. Domestic wastewater treatment plants shall be operated and maintained by sewage plant operators holding a valid certificate of competency at the required level as defined in 30 TAC Chapter 30.
 10. For Publicly Owned Treatment Works (POTWs), the 30-day average (or monthly average) percent removal for BOD and TSS shall not be less than 85%, unless otherwise authorized by this permit.
 11. Facilities that generate industrial solid waste as defined in 30 TAC §335.1 shall comply with these provisions:
 - a. Any solid waste, as defined in 30 TAC §335.1 (including but not limited to such wastes as garbage, refuse, sludge from a waste treatment, water supply treatment plant or air pollution control facility, discarded materials, discarded materials to be recycled, whether the waste is solid, liquid, or semisolid), generated by the permittee during the management and treatment of wastewater, must be managed in accordance with all applicable provisions of 30 TAC Chapter 335, relating to Industrial Solid Waste Management.
 - b. Industrial wastewater that is being collected, accumulated, stored, or processed before discharge through any final discharge outfall, specified by this permit, is considered to be industrial solid waste until the wastewater passes through the actual point source discharge and must be managed in accordance with all applicable provisions of 30 TAC Chapter 335.
 - c. The permittee shall provide written notification, pursuant to the requirements of 30 TAC §335.8(b)(1), to the Corrective Action Section (MC 127) of the Remediation Division informing the Commission of any closure activity involving an Industrial Solid Waste Management Unit, at least 90 days prior to conducting such an activity.
 - d. Construction of any industrial solid waste management unit requires the prior written notification of the proposed activity to the Registration and Reporting Section (MC 129) of the Permitting and Remediation Support Division. No person shall dispose of industrial solid waste, including sludge or other solids from wastewater treatment processes, prior to fulfilling the deed recordation requirements of 30 TAC §335.5.
 - e. The term "industrial solid waste management unit" means a landfill, surface impoundment, waste-pile, industrial furnace, incinerator, cement kiln, injection well, container, drum, salt dome waste containment cavern, or any other structure vessel, appurtenance, or other improvement on land used to manage industrial solid waste.
 - f. The permittee shall keep management records for all sludge (or other waste) removed from any wastewater treatment process. These records shall fulfill all applicable requirements of 30 TAC Chapter 335 and must include the following, as it pertains to wastewater treatment and discharge:
 - i. volume of waste and date(s) generated from treatment process;
 - ii. volume of waste disposed of on-site or shipped off-site;
 - iii. date(s) of disposal;

- iv. identity of hauler or transporter;
- v. location of disposal site; and
- vi. method of final disposal.

The above records shall be maintained on a monthly basis. The records shall be retained at the facility site, or shall be readily available for review by authorized representatives of the TCEQ for at least five years.

- 12. For industrial facilities to which the requirements of 30 TAC Chapter 335 do not apply, sludge and solid wastes, including tank cleaning and contaminated solids for disposal, shall be disposed of in accordance with THSC Code Chapter 361.

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OTHER REQUIREMENTS

1. Violations of daily maximum limitations for the following pollutants shall be reported orally or by facsimile to TCEQ Region 16 within 24 hours from the time the permittee becomes aware of the violation, followed by a written report within five working days to TCEQ Region 16 and Compliance Monitoring Team (MC 224): None.
2. This permit does not authorize the discharge of domestic wastewater. All domestic wastewater must be disposed of in an approved manner, such as routing to an approved on-site septic tank and drainfield system or to an authorized third party for treatment and disposal.
3. This provision supersedes and replaces Provision 1, Paragraph 1 of Monitoring and Reporting Requirements found on Page 4 of this permit.

Monitoring results shall be provided at the intervals specified in the permit. Unless otherwise specified in this permit or otherwise ordered by the Commission, the permittee shall conduct effluent sampling and reporting in accordance with 30 TAC §§ 319.4 - 319.12. Unless otherwise specified, a monthly effluent report shall be submitted each month, to the location(s) specified on the reporting form or the instruction sheet, by the 25th day of the following month for each discharge which is described by this permit whether or not a discharge is made for that month. Monitoring results must be reported on an approved TPDES self-report form, Discharge Monitoring Report (DMR) Form EPA No. 3320-1, signed and certified as required by Monitoring and Reporting Requirements No. 10.

4. Chronic toxic criteria apply at the edge of the chronic aquatic life mixing zone. The chronic aquatic life mixing zone is defined as 300 feet downstream and 100 feet upstream from the point of discharge.
5. The Texas Commission on Environmental Quality recognizes the discharge of pass-through water into the Maverick County Canal, which comes into contact with mechanical turbine blades at the facility. The discharge of pass-through water into the Maverick County Canal is authorized by this permit without monitoring requirements.

STATEMENT OF BASIS/TECHNICAL SUMMARY AND
EXECUTIVE DIRECTOR'S PRELIMINARY DECISION

DESCRIPTION OF APPLICATION

Applicant: Maverick County Water Control and Improvement District No. 1; Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0004149000 (EPA I.D. No. TX0119580)

Regulated activity: Industrial wastewater permit

Type of application: Renewal

Request: Renewal with changes

Authority: Federal Clean Water Act (CWA) §402; Texas Water Code (TWC) §26.027; 30 Texas Administrative Code (TAC) Chapter 305, Subchapters C-F, and Chapters 307 and 319; commission policies; and Environmental Protection Agency (EPA) guidelines

EXECUTIVE DIRECTOR RECOMMENDATION

The Executive Director has made a preliminary decision that this permit, if issued, meets all statutory and regulatory requirements. The draft permit will expire at midnight, five years from the date of permit issuance according to the requirements of 30 TAC §305.127(1)(C)(i).

REASON FOR PROJECT PROPOSED

The applicant applied to the Texas Commission on Environmental Quality (TCEQ) for a renewal of its existing permit with changes to remove the discharge of non-contact cooling water.

PROJECT DESCRIPTION AND LOCATION

The applicant currently operates Eagle Pass Power Station, a hydroelectric power generation plant.

The wastewater system consists of a drain system to capture leaking water from the turbine shafts and equipment inside the plant. The drain system terminates in a common oil/water separator and sump. Oil is skimmed off the surface of the sump and is disposed of properly. Wastewater from the sump is monitored prior to discharge via Outfall 001.

The facility occasionally discharges intermittent volumes of non-process area stormwater from roof drains on the main plant building that are also routed to Outfall 001 for discharge. Stormwater is routed through Outfall 001 but is not regulated in this permit (individual wastewater permit WQ0004149000). Stormwater discharges are regulated under the Multi-Sector General Permit. Effluent that requires monitoring for individual wastewater permit WQ0004149000 must be sampled prior to commingling with any other wastestream (including previously-monitored stormwater permitted by the Multi-Sector General Permit).

Domestic wastewater generated at the site is hauled by a registered transporter, Siesta Septic Service LLC, Registration No. 25074, to a TCEQ-authorized wastewater treatment facility for treatment and disposal.

The facility is located at 264 Power Plant Road, near the City of Eagle Pass, Maverick County, Texas 78852.

STATEMENT OF BASIS / TECHNICAL SUMMARY AND
EXECUTIVE DIRECTOR'S PRELIMINARY DECISION
TPDES Permit No. WQ0004149000

Discharge Route and Designated Uses

The effluent is discharged to the Maverick County Canal, thence to Rio Grande Below Amistad Reservoir in Segment No. 2304 of the Rio Grande Basin. The unclassified receiving water use for Maverick County Canal is high aquatic life use. The designated uses for Segment No. 2304 are primary contact recreation, public water supply, and high aquatic life use. The effluent limits in the draft permit will maintain and protect the existing instream uses. All determinations are preliminary and subject to additional review and revisions.

Endangered Species Review

The discharge from this permit action is not expected to have an effect on any federal endangered or threatened aquatic or aquatic dependent species or proposed species or their critical habitat. This determination is based on the United States Fish and Wildlife Service's (USFWS) biological opinion on the State of Texas authorization of the Texas Pollutant Discharge Elimination System (TPDES; September 14, 1998; October 21, 1998 update). To make this determination for TPDES permits, TCEQ and EPA only considered aquatic or aquatic dependent species occurring in watersheds of critical concern or high priority as listed in Appendix A of the USFWS biological opinion. The determination is subject to reevaluation due to subsequent updates or amendments to the biological opinion. The permit does not require EPA review with respect to the presence of endangered or threatened species.

Impaired Water Bodies

Segment No. 2304 is currently listed on the state's inventory of impaired and threatened waters, the 2022 CWA §303(d) list. The listing is for bacteria in water from a point 0.66 km (0.41 mi) upstream of the Arroyo El Lobo (Mexico) in Webb County upstream to the San Idelfonso Creek confluence (AU 2304_01), from the San Idelfonso Creek confluence upstream to International Bridge #2 (AU 2304_02), from the International Bridge #2 upstream to the City of Laredo water treatment plant intake (AU 2304_03), from El Indio upstream to downstream of US Hwy 277 (Eagle Pass) (AU 2304_07), and from the Las Moras Creek confluence upstream to the San Felipe Creek confluence (AU 2304_09).

There are no known sources of bacteria in the discharge, as the domestic wastewater generated at this facility is routed to a septic tank/drainfield system. In addition, this permit prohibits discharge of domestic wastewater (see Other Requirement No. 2). Therefore, no changes were made in the draft permit to address the 303(d) listings.

Completed Total Maximum Daily Loads (TMDLs)

There are no completed TMDLs for Segment No. 2304.

Dissolved Oxygen

Due to the low levels of oxygen-demanding constituents expected in the discharge, no significant dissolved oxygen depletion is anticipated in the receiving waters as a result of this discharge.

SUMMARY OF EFFLUENT DATA

The following is a quantitative description of the discharge described in the monthly effluent report data for the period January 2019 through December 2024. The "Avg of Daily Avg" values presented in the following table are the average of all daily average values for the reporting period for each pollutant. The "Max of Daily Max" values presented in the following table are the individual maximum values for the reporting period for each pollutant. Flows are expressed in million gallons per day (MGD). All pH values are expressed in standard units (SU).

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Flow

Outfall	Frequency	Avg of Daily Avg, MGD	Max of Daily Max, MGD
001	Continuous	0.076	0.076
101	Intermittent	0.023	0.023

Effluent Characteristics

Outfall	Pollutant	Avg of Daily Avg	Max of Daily Max
		mg/L	mg/L
101	Oil and Grease	12.78	20.00
	pH	6.25 SU, minimum	9.0 SU

No effluent limit violations were documented in the monthly effluent reports.

DRAFT PERMIT CONDITIONS

The draft permit authorizes the discharge of turbine leakage at a daily maximum flow not to exceed 0.0288 million gallons per day (MGD) via Outfall 001.

Effluent limitations are established in the draft permit as follows:

<i>Outfall</i>	<i>Pollutant</i>	<i>Daily Average mg/L</i>	<i>Daily Maximum mg/L</i>
001	Flow	Report MGD	0.0288 MGD
	Oil and Grease	15	20
	pH	6.0 SU, minimum	9.0 SU

OUTFALL LOCATIONS

Outfall	Latitude	Longitude
001	28.829416 N	100.552327 W

Technology-Based Effluent Limitations

Regulations in Title 40 of the Code of Federal Regulations (40 CFR) require that technology-based limitations be placed in wastewater discharge permits based on effluent limitations guidelines, where applicable, or on best professional judgment (BPJ) in the absence of guidelines. The discharges via Outfall 001 are not subject to federal effluent limitation guidelines. Hydroelectric power plants are not regulated under 40 CFR Part 423.

Effluent limitations for previous internal Outfall 101 (now Outfal 001) were established based on the potential for turbine leakage to contact spills and leaks from equipment at this facility. These limitations (oil and grease and pH) are continued in the draft permit in accordance with anti-backsliding requirements in 40 CFR Part 122.44 (l).

Water Quality-Based Effluent Limitations

Calculations of water quality-based effluent limitations for the protection of aquatic life and human health are presented in Appendix A. Aquatic life criteria established in Table 1 and human health criteria established in Table 2 of 30 TAC Chapter 307 are incorporated into the calculations, as are recommendations in the Water Quality Assessment Team's memorandum dated October 1, 2025. TCEQ practice for determining significant potential is to compare the reported analytical data from the facility against percentages of the calculated daily average water quality-based effluent limitation. Permit limitations are required when analytical data reported in the application exceeds 85 percent of

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the calculated daily average water quality-based effluent limitation. Monitoring and reporting is required when analytical data reported in the application exceeds 70 percent of the calculated daily average water quality-based effluent limitation.

Data reported in the application was screened against the calculated water quality-based effluent limitations and was found not to exceed 70% of the calculated daily average water quality-based effluent limitations for the protection of aquatic life and human health. As such, no water quality-based effluent limitations or monitoring and reporting requirements are warranted.

Total Dissolved Solids (TDS), Chloride, and Sulfate Screening

Average concentrations of TDS, chloride, and sulfate reported in the application are all less than the respective criteria for Segment No. 2304; therefore, no further screening is necessary.

pH Screening

The existing permit includes pH limits of 6.0 – 9.0 SU at Outfall 001, whose discharge is routed to an unclassified water body. Consistent with the procedures for pH screening that were submitted to EPA with a letter dated May 28, 2014, and approved by EPA in a letter dated June 2, 2014, requiring a discharge to an unclassified water body to meet pH limits of 6.0 – 9.0 standard units reasonably ensures instream compliance with *Texas Surface Water Quality Standards* pH criteria. These limits have been carried forward in the draft permit.

Whole Effluent Toxicity Testing (Biomonitoring)

Biomonitoring requirements are not included in the draft permit.

The existing permit did not establish biomonitoring requirements and discharges authorized by this permit do not meet the threshold established in the *Procedures to Implement the Texas Surface Water Quality Standards* (RG-194) to impose biomonitoring requirements.

SUMMARY OF CHANGES FROM APPLICATION

The following changes have been made from the application:

Registered transporter Siesta Septic Service LLC, Registration No. 25074, is included in the statement of basis, as the registration number listed in the application was cancelled in 2015 and 25074 was used in the statement of basis of the existing permit.

SUMMARY OF CHANGES FROM EXISTING PERMIT

The following changes have been made to the draft permit.

1. Pages 3-13 were updated (May 2021 version).
2. Non-contact cooling water language has been removed. The permittee stated that cooling water has never been used at the facility, and that its inclusion in all past applications was in error. This change is a correction and does not make the permit less stringent. Previous internal Outfall 101 is now Outfall 001.
3. Other Requirement No. 6 has been removed since there are no cooling water activities conducted at this facility.

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BASIS FOR DRAFT PERMIT

The following items were considered in developing the draft permit:

1. Application received on July 15, 2024, and additional information received on August 6, 2024, August 13, 2024, and August 13, 2025.
2. Existing permits: TPDES Permit No. WQ0004149000 issued on January 6, 2020.
3. TCEQ Rules.
4. *Texas Surface Water Quality Standards* – 30 TAC §§307.1-307.10, effective September 29, 2022, as approved by EPA Region 6.
5. *Texas Surface Water Quality Standards* – 30 TAC §§307.1-307.10, effective March 1, 2018, as approved by EPA Region 6, for portions of the 2022 standards not approved by EPA Region 6.
6. *Texas Surface Water Quality Standards* – 30 TAC §§307.1-307.10, effective March 6, 2014, as approved by EPA Region 6, for portions of the 2018 standards not approved by EPA Region 6.
7. *Texas Surface Water Quality Standards* – 30 TAC §§307.1-307.10, effective July 22, 2010, as approved by EPA Region 6, for portions of the 2014 standards not approved by EPA Region 6.
8. *Texas Surface Water Quality Standards* – 30 TAC §§307.1-307.10, effective August 17, 2000, and Appendix E, effective February 27, 2002, for portions of the 2010 standards not approved by EPA Region 6.
9. *Procedures to Implement the Texas Surface Water Quality Standards* (IPs), Texas Commission on Environmental Quality, June 2010, as approved by EPA Region 6.
10. *Procedures to Implement the Texas Surface Water Quality Standards*, Texas Commission on Environmental Quality, January 2003, for portions of the 2010 IPs not approved by EPA Region 6.
11. Memos from the Standards Implementation Team and Water Quality Assessment Team of the Water Quality Assessment Section of the TCEQ.
12. *Guidance Document for Establishing Monitoring Frequencies for Domestic and Industrial Wastewater Discharge Permits*, TCEQ Document No. 98-001.000-OWR-WQ, May 1998.
13. EPA Effluent Guidelines: N/A.
14. Consistency with the Coastal Management Plan: N/A.
15. Letter dated May 28, 2014, from L'Oreal W. Stepney, P.E., Deputy Director, Office of Water, TCEQ, to Bill Honker, Director, Water Quality Protection Division, EPA (TCEQ proposed development strategy for pH evaluation procedures).
16. Letter dated June 2, 2014, from William K. Honker, P.E., Director, Water Quality Protection Division, EPA, to L'Oreal W. Stepney, P.E., Deputy Director, Office of Water, TCEQ (Approval of TCEQ proposed development strategy for pH evaluation procedures).

PROCEDURES FOR FINAL DECISION

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

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

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must place a copy of the Executive Director's preliminary decision and draft permit in the public place with the application.

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

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

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

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

For additional information about this application, contact Thomas E. Starr at (512) 239-4570.

Thomas E. Starr
Thomas E. Starr, P.E.

August 18, 2025
Date

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Appendix A
Calculated Water Quality-Based Effluent Limits

TEXTOX MENU #3 - PERENNIAL STREAM OR RIVER

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

Table 1, 2014 Texas Surface Water Quality Standards (30 TAC 307) for Freshwater Aquatic Life
Table 2, 2018 Texas Surface Water Quality Standards for Human Health
"Procedures to Implement the Texas Surface Water Quality Standards," TCEQ, June 2010

PERMIT INFORMATION

Permittee Name:	Maverick County Water Control and Improvement Di
TPDES Permit No.:	WQ0004149000
Outfall No.:	001
Prepared by:	Thomas E. Starr, P.E.
Date:	08/14/2025

DISCHARGE INFORMATION

Receiving Waterbody:	Rio Grande Below Amistad River
Segment No.:	2304
TSS (mg/L):	5
pH (Standard Units):	7.8
Hardness (mg/L as CaCO ₃):	239
Chloride (mg/L):	114
Effluent Flow for Aquatic Life (MGD):	0.0288
Critical Low Flow [7Q2] (cfs):	12
% Effluent for Chronic Aquatic Life (Mixing Zone):	0.37
% Effluent for Acute Aquatic Life (ZID):	1.46
Effluent Flow for Human Health (MGD):	0.0288
Harmonic Mean Flow (cfs):	317
% Effluent for Human Health:	0.01
Human Health Criterion (select: PWS, FISH, or INC)	PWS

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

<i>Stream/River Metal</i>	<i>Intercept (b)</i>	<i>Slope (m)</i>	<i>Partition Coefficient (Kp)</i>	<i>Dissolved Fraction (Cd/Ct)</i>	<i>Source</i>	<i>Water Effect Ratio (WER)</i>	<i>Source</i>
Aluminum	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Arsenic	5.68	-0.73	147826.36	0.575		1.00	Assumed
Cadmium	6.60	-1.13	645897.93	0.236		1.00	Assumed
Chromium (total)	6.52	-0.93	741238.38	0.212		1.00	Assumed
Chromium (trivalent)	6.52	-0.93	741238.38	0.212		1.00	Assumed
Chromium (hexavalent)	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Copper	6.02	-0.74	318245.45	0.386		1.00	Assumed
Lead	6.45	-0.80	777721.31	0.205		1.00	Assumed
Mercury	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Nickel	5.69	-0.57	195698.32	0.505		1.00	Assumed
Selenium	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Silver	6.38	-1.03	457152.29	0.304		1.00	Assumed
Zinc	6.10	-0.70	408057.15	0.329		1.00	Assumed

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AQUATIC LIFE

CALCULATE DAILY AVERAGE AND DAILY MAXIMUM EFFLUENT LIMITATIONS:

<i>Parameter</i>	<i>FW Acute</i>	<i>Chronic</i>	<i>WLAa</i> (µg/L)	<i>WLAc</i> (µg/L)	<i>LTAa</i> (µg/L)	<i>LTAc</i> (µg/L)	<i>Daily Avg.</i> (µg/L)	<i>Daily Max.</i> (µg/L)
	<i>Criterion</i> (µg/L)	<i>Criterion</i> (µg/L)						
Aldrin	3.0	N/A	205	N/A	117	N/A	172	365
Aluminum	991	N/A	67710	N/A	38798	N/A	57032	120661
Arsenic	340	150	40401	70513	23150	54295	34030	71995
Cadmium	20.0	0.450	5782	515	3313	396	582	1232
Carbaryl	2.0	N/A	137	N/A	78.3	N/A	115	243
Chlordane	2.4	0.004	164	1.08	94.0	0.833	1.22	2.58
Chlorpyrifos	0.083	0.041	5.67	11.1	3.25	8.53	4.77	10.1
Chromium (trivalent)	1163	151	373983	192454	214292	148190	217838	460869
Chromium (hexavalent)	15.7	10.6	1073	2865	615	2206	903	1911
Copper	32.3	19.9	5714	13963	3274	10752	4813	10182
Cyanide (free)	45.8	10.7	3129	2892	1793	2227	2635	5576
4,4'-DDT	1.1	0.001	75.2	0.270	43.1	0.208	0.305	0.647
Demeton	N/A	0.1	N/A	27.0	N/A	20.8	30.5	64.7
Diazinon	0.17	0.17	11.6	46.0	6.66	35.4	9.78	20.6
Dicofol [Kelthane]	59.3	19.8	4052	5352	2322	4121	3412	7220
Dieldrin	0.24	0.002	16.4	0.541	9.40	0.416	0.611	1.29
Diuron	210	70	14348	18921	8222	14569	12085	25569
Endosulfan I (<i>alpha</i>)	0.22	0.056	15.0	15.1	8.61	11.7	12.6	26.7
Endosulfan II (<i>beta</i>)	0.22	0.056	15.0	15.1	8.61	11.7	12.6	26.7
Endosulfan sulfate	0.22	0.056	15.0	15.1	8.61	11.7	12.6	26.7
Endrin	0.086	0.002	5.88	0.541	3.37	0.416	0.611	1.29
Guthion [Azinphos Methyl]	N/A	0.01	N/A	2.70	N/A	2.08	3.05	6.47
Heptachlor	0.52	0.004	35.5	1.08	20.4	0.833	1.22	2.58
Hexachlorocyclohexane (<i>gamma</i>) [Lindane]	1.126	0.08	76.9	21.6	44.1	16.7	24.4	51.7
Lead	164	6.41	54902	8464	31459	6517	9580	20268
Malathion	N/A	0.01	N/A	2.70	N/A	2.08	3.05	6.47
Mercury	2.4	1.3	164	351	94.0	271	138	292
Methoxychlor	N/A	0.03	N/A	8.11	N/A	6.24	9.17	19.4
Mirex	N/A	0.001	N/A	0.270	N/A	0.208	0.305	0.647
Nickel	979	108.7	132283	58125	75798	44756	65791	139191
Nonylphenol	28	6.6	1913	1784	1096	1374	1611	3409
Parathion (ethyl)	0.065	0.013	4.44	3.51	2.54	2.71	3.74	7.91
Pentachlorophenol	19.5	15.0	1332	4042	763	3112	1121	2373
Phenanthrene	30	30	2050	8109	1175	6244	1726	3652
Polychlorinated Biphenyls [PCBs]	2.0	0.014	137	3.78	78.3	2.91	4.28	9.06
Selenium	20	5	1367	1352	783	1041	1151	2435
Silver	0.8	N/A	1675	N/A	960	N/A	1410	2984
Toxaphene	0.78	0.0002	53.3	0.0541	30.5	0.0416	0.0611	0.129
Tributyltin [TBT]	0.13	0.024	8.88	6.49	5.09	5.00	7.34	15.5
2,4,5 Trichlorophenol	136	64	9292	17299	5324	13320	7826	16558
Zinc	245	247	50929	203128	29182	156409	42898	90757

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HUMAN HEALTH

CALCULATE DAILY AVERAGE AND DAILY MAXIMUM EFFLUENT LIMITATIONS:

<i>Parameter</i>	<i>Water and Fish Criterion</i>	<i>Fish Only Criterion (µg/L)</i>	<i>Incidental Fish Criterion</i>	<i>WLAh (µg/L)</i>	<i>LTAh (µg/L)</i>	<i>Daily Avg. (µg/L)</i>	<i>Daily Max. (µg/L)</i>
Acrylonitrile	1.0	115	1150	7115	6617	9726	20578
Aldrin	1.146E-05	1.147E-05	1.147E-04	0.0815	0.0758	0.111	0.235
Anthracene	1109	1317	13170	7890544	7338206	10787163	22821821
Antimony	6	1071	10710	42690	39702	58361	123472
Arsenic	10	N/A	N/A	123739	115078	169164	357891
Barium	2000	N/A	N/A	14230017	13233916	19453855	41157477
Benzene	5	581	5810	35575	33085	48634	102893
Benzidine	0.0015	0.107	1.07	10.7	9.93	14.5	30.8
Benzo(a)anthracene	0.024	0.025	0.25	171	159	233	493
Benzo(a)pyrene	0.0025	0.0025	0.025	17.8	16.5	24.3	51.4
Bis(chloromethyl)ether	0.0024	0.2745	2.745	17.1	15.9	23.3	49.3
Bis(2-chloroethyl)ether	0.60	42.83	428.3	4269	3970	5836	12347
Bis(2-ethylhexyl) phthalate [Di(2-ethylhexyl) phthalate]	6	7.55	75.5	42690	39702	58361	123472
Bromodichloromethane [Dichlorobromomethane]	10.2	275	2750	72573	67493	99214	209903
Bromoform [Tribromomethane]	66.9	1060	10600	475994	442674	650731	1376717
Cadmium	5	N/A	N/A	150464	139932	205699	435187
Carbon Tetrachloride	4.5	46	460	32018	29776	43771	92604
Chlordane	0.0025	0.0025	0.025	17.8	16.5	24.3	51.4
Chlorobenzene	100	2737	27370	711501	661696	972692	2057873
Chlorodibromomethane [Dibromochloromethane]	7.5	183	1830	53363	49627	72951	154340
Chloroform [Trichloromethane]	70	7697	76970	498051	463187	680884	1440511
Chromium (hexavalent)	62	502	5020	441131	410251	603069	1275881
Chrysene	2.45	2.52	25.2	17432	16212	23830	50417
Cresols [Methylphenols]	1041	9301	93010	7406724	6888253	10125731	21422466
Cyanide (free)	200	N/A	N/A	1423002	1323392	1945385	4115747
4,4'-DDD	0.002	0.002	0.02	14.2	13.2	19.4	41.1
4,4'-DDE	0.00013	0.00013	0.0013	0.925	0.860	1.26	2.67
4,4'-DDT	0.0004	0.0004	0.004	2.85	2.65	3.89	8.23
2,4'-D	70	N/A	N/A	498051	463187	680884	1440511
Danitrol [Fenpropathrin]	262	473	4730	1864132	1733643	2548455	5391629
1,2-Dibromoethane [Ethylene Dibromide]	0.17	4.24	42.4	1210	1125	1653	3498
<i>m</i> -Dichlorobenzene [1,3-Dichlorobenzene]	322	595	5950	2291033	2130660	3132070	6626353
<i>o</i> -Dichlorobenzene [1,2-Dichlorobenzene]	600	3299	32990	4269005	3970175	5836156	12347243
<i>p</i> -Dichlorobenzene [1,4-Dichlorobenzene]	75	N/A	N/A	533626	496272	729519	1543405
3,3'-Dichlorobenzidine	0.79	2.24	22.4	5621	5227	7684	16257
1,2-Dichloroethane	5	364	3640	35575	33085	48634	102893
1,1-Dichloroethylene [1,1-Dichloroethene]	7	55114	551140	49805	46319	68088	144051
Dichloromethane [Methylene Chloride]	5	13333	133330	35575	33085	48634	102893
1,2-Dichloropropane	5	259	2590	35575	33085	48634	102893
1,3-Dichloropropane [1,3-Dichloropropylene]	2.8	119	1190	19922	18527	27235	57620
Dicofol [Kelthane]	0.30	0.30	3	2135	1985	2918	6173
Dieldrin	2.0E-05	2.0E-05	2.0E-04	0.142	0.132	0.194	0.411
2,4-Dimethylphenol	444	8436	84360	3159064	2937929	4318755	9136959
Di- <i>n</i> -Butyl Phthalate	88.9	92.4	924	632524	588248	864723	1829449
Dioxins/Furans [TCDD Equivalents]	7.80E-08	7.97E-08	7.97E-07	0.000555	0.000516	0.000758	0.00160
Endrin	0.02	0.02	0.2	142	132	194	411
Epichlorohydrin	53.5	2013	20130	380653	354007	520390	1100962
Ethylbenzene	700	1867	18670	4980506	4631870	6808849	14405117
Ethylene Glycol	46744	1.68E+07	1.68E+08	332583950	309303073	454675517	961932557
Fluoride	4000	N/A	N/A	28460033	26467831	38907711	82314954
Heptachlor	8.0E-05	0.0001	0.001	0.569	0.529	0.778	1.64
Heptachlor Epoxide	0.00029	0.00029	0.0029	2.06	1.92	2.82	5.96
Hexachlorobenzene	0.00068	0.00068	0.0068	4.84	4.50	6.61	13.9
Hexachlorobutadiene	0.21	0.22	2.2	1494	1390	2042	4321

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<i>Parameter</i>	<i>Water and Fish Criterion</i>	<i>Fish Only Criterion (µg/L)</i>	<i>Incidental Fish Criterion</i>	<i>WLAh (µg/L)</i>	<i>LTAh (µg/L)</i>	<i>Daily Avg. (µg/L)</i>	<i>Daily Max. (µg/L)</i>
Hexachlorocyclohexane (<i>alpha</i>)	0.0078	0.0084	0.084	55.5	51.6	75.8	160
Hexachlorocyclohexane (<i>beta</i>)	0.15	0.26	2.6	1067	993	1459	3086
Hexachlorocyclohexane (<i>gamma</i>) [Lindane]	0.2	0.341	3.41	1423	1323	1945	4115
Hexachlorocyclopentadiene	10.7	11.6	116	76131	70801	104078	220192
Hexachloroethane	1.84	2.33	23.3	13092	12175	17897	37864
Hexachlorophene	2.05	2.90	29	14586	13565	19940	42186
4,4'-Isopropylidenediphenol	1092	15982	159820	7769589	7225718	10621805	22471982
Lead	1.15	3.83	38.3	40000	37200	54683	115691
Mercury	0.0122	0.0122	0.122	86.8	80.7	118	251
Methoxychlor	2.92	3.0	30	20776	19322	28402	60089
Methyl Ethyl Ketone	13865	9.92E+05	9.92E+06	98649591	91744119	134863855	285324210
Methyl <i>tert</i> -butyl ether [MTBE]	15	10482	104820	106725	99254	145903	308681
Nickel	332	1140	11400	4673559	4346410	6389222	13517334
Nitrate-Nitrogen (as Total Nitrogen)	10000	N/A	N/A	71150083	66169578	97269278	205787386
Nitrobenzene	45.7	1873	18730	325156	302395	444520	940448
N-Nitrosodiethylamine	0.0037	2.1	21	26.3	24.5	35.9	76.1
N-Nitroso-di- <i>n</i> -Butylamine	0.119	4.2	42	847	787	1157	2448
Pentachlorobenzene	0.348	0.355	3.55	2476	2303	3384	7161
Pentachlorophenol	0.22	0.29	2.9	1565	1456	2139	4527
Polychlorinated Biphenyls [PCBs]	6.4E-04	6.4E-04	6.40E-03	4.55	4.23	6.22	13.1
Pyridine	23	947	9470	163645	152190	223719	473310
Selenium	50	N/A	N/A	355750	330848	486346	1028936
1,2,4,5-Tetrachlorobenzene	0.23	0.24	2.4	1636	1522	2237	4733
1,1,2,2-Tetrachloroethane	1.64	26.35	263.5	11669	10852	15952	33749
Tetrachloroethylene [Tetrachloroethylene]	5	280	2800	35575	33085	48634	102893
Thallium	0.12	0.23	2.3	854	794	1167	2469
Toluene	1000	N/A	N/A	7115008	6616958	9726927	20578738
Toxaphene	0.011	0.011	0.11	78.3	72.8	106	226
2,4,5-TP [Silvex]	50	369	3690	355750	330848	486346	1028936
1,1,1-Trichloroethane	200	784354	7843540	1423002	1323392	1945385	4115747
1,1,2-Trichloroethane	5	166	1660	35575	33085	48634	102893
Trichloroethylene [Trichloroethene]	5	71.9	719	35575	33085	48634	102893
2,4,5-Trichlorophenol	1039	1867	18670	7392494	6875019	10106278	21381309
TTHM [Sum of Total Trihalomethanes]	80	N/A	N/A	569201	529357	778154	1646299
Vinyl Chloride	0.23	16.5	165	1636	1522	2237	4733

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Aquatic Life	70% of	85% of
Parameter	Daily Avg.	Daily Avg.
	(µg/L)	(µg/L)
Aldrin	120	146
Aluminum	39923	48477
Arsenic	23821	28925
Cadmium	407	495
Carbaryl	80.5	97.8
Chlordane	0.856	1.04
Chlorpyrifos	3.34	4.06
Chromium (trivalent)	152487	185162
Chromium (hexavalent)	632	768
Copper	3369	4091
Cyanide (free)	1845	2240
4,4'-DDT	0.214	0.260
Demeton	21.4	26.0
Diazinon	6.84	8.31
Dicofol [Kelthane]	2388	2900
Dieldrin	0.428	0.520
Diuron	8459	10272
Endosulfan I (<i>alpha</i>)	8.86	10.7
Endosulfan II (<i>beta</i>)	8.86	10.7
Endosulfan sulfate	8.86	10.7
Endrin	0.428	0.520
Guthion [Azinphos Methyl]	2.14	2.60
Heptachlor	0.856	1.04
Hexachlorocyclohexane (<i>gamma</i>) [Lindane]	17.1	20.8
Lead	6706	8143
Malathion	2.14	2.60
Mercury	96.6	117
Methoxychlor	6.42	7.80
Mirex	0.214	0.260
Nickel	46054	55922
Nonylphenol	1127	1369
Parathion (ethyl)	2.61	3.17
Pentachlorophenol	785	953
Phenanthrene	1208	1467
Polychlorinated Biphenyls [PCBs]	2.99	3.64
Selenium	805	978
Silver	987	1199
Toxaphene	0.0428	0.0520
Tributyltin [TBT]	5.14	6.24
2,4,5 Trichlorophenol	5478	6652
Zinc	30028	36463

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Human Health	70% of	85% of
Parameter	Daily Avg.	Daily Avg.
	(µg/L)	(µg/L)
Acrylonitrile	6808	8267
Aldrin	0.0780	0.0947
Anthracene	7551014	9169088
Antimony	40853	49607
Arsenic	118414	143789
Barium	13617699	16535777
Benzene	34044	41339
Benzidine	10.2	12.4
Benzo(a)anthracene	163	198
Benzo(a)pyrene	17.0	20.6
Bis(chloromethyl)ether	16.3	19.8
Bis(2-chloroethyl)ether	4085	4960
Bis(2-ethylhexyl) phthalate [Di(2-ethylhexyl) phthalate]	40853	49607
Bromodichloromethane [Dichlorobromomethane]	69450	84332
Bromoform [Tribromomethane]	455512	553121
Cadmium	143989	174844
Carbon Tetrachloride	30639	37205
Chlordane	17.0	20.6
Chlorobenzene	680884	826788
Chlorodibromomethane [Dibromochloromethane]	51066	62009
Chloroform [Trichloromethane]	476619	578752
Chromium (hexavalent)	422148	512609
Chrysene	16681	20256
Cresols [Methylphenols]	7088012	8606872
Cyanide (free)	1361769	1653577
4,4'-DDD	13.6	16.5
4,4'-DDE	0.885	1.07
4,4'-DDT	2.72	3.30
2,4'-D	476619	578752
Danitol [Fenpropathrin]	1783918	2166186
1,2-Dibromoethane [Ethylene Dibromide]	1157	1405
<i>m</i> -Dichlorobenzene [1,3-Dichlorobenzene]	2192449	2662260
<i>o</i> -Dichlorobenzene [1,2-Dichlorobenzene]	4085309	4960733
<i>p</i> -Dichlorobenzene [1,4-Dichlorobenzene]	510663	620091
3,3'-Dichlorobenzidine	5378	6531
1,2-Dichloroethane	34044	41339
1,1-Dichloroethylene [1,1-Dichloroethene]	47661	57875
Dichloromethane [Methylene Chloride]	34044	41339
1,2-Dichloropropane	34044	41339
1,3-Dichloropropene [1,3-Dichloropropylene]	19064	23150
Dicofol [Kelthane]	2042	2480
Dieldrin	0.136	0.165
2,4-Dimethylphenol	3023129	3670942
Di- <i>n</i> -Butyl Phthalate	605306	735015
Dioxins/Furans [TCDD Equivalents]	0.000531	0.000644
Endrin	136	165
Epichlorohydrin	364273	442332
Ethylbenzene	4766194	5787522
Ethylene Glycol	318272862	386474189
Fluoride	27235398	33071554
Heptachlor	0.544	0.661
Heptachlor Epoxide	1.97	2.39
Hexachlorobenzene	4.63	5.62
Hexachlorobutadiene	1429	1736

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Human Health	70% of	85% of
Parameter	Daily Avg.	Daily Avg.
	(µg/L)	(µg/L)
Hexachlorocyclohexane (<i>alpha</i>)	53.1	64.4
Hexachlorocyclohexane (<i>beta</i>)	1021	1240
Hexachlorocyclohexane (<i>gamma</i>) [Lindane]	1361	1653
Hexachlorocyclopentadiene	72854	88466
Hexachloroethane	12528	15212
Hexachlorophene	13958	16949
4,4'-Isopropylidenediphenol	7435263	9028534
Lead	38278	46481
Mercury	83.0	100
Methoxychlor	19881	24142
Methyl Ethyl Ketone	94404698	114634276
Methyl <i>tert</i> -butyl ether [MTBE]	102132	124018
Nickel	4472455	5430838
Nitrate-Nitrogen (as Total Nitrogen)	68088495	82678887
Nitrobenzene	311164	377842
N-Nitrosodiethylamine	25.1	30.5
N-Nitroso-di- <i>n</i> -Butylamine	810	983
Pentachlorobenzene	2369	2877
Pentachlorophenol	1497	1818
Polychlorinated Biphenyls [PCBs]	4.35	5.29
Pyridine	156603	190161
Selenium	340442	413394
1,2,4,5-Tetrachlorobenzene	1566	1901
1,1,2,2-Tetrachloroethane	11166	13559
Tetrachloroethylene [Tetrachloroethylene]	34044	41339
Thallium	817	992
Toluene	6808849	8267888
Toxaphene	74.8	90.9
2,4,5-TP [Silvex]	340442	413394
1,1,1-Trichloroethane	1361769	1653577
1,1,2-Trichloroethane	34044	41339
Trichloroethylene [Trichloroethene]	34044	41339
2,4,5-Trichlorophenol	7074394	8590336
TTHM [Sum of Total Trihalomethanes]	544707	661431
Vinyl Chloride	1566	1901

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Appendix B
Comparison of Effluent Limits

The following table is a summary of technology-based effluent limitations calculated/assessed in the draft permit (Technology-Based), calculated/assessed water quality-based effluent limitations (Water Quality-Based), and effluent limitations in the existing permit (Existing Permit). Effluent limitations appearing in bold are the most stringent of the three and are included in the draft permit.

Outfall	Pollutant	Technology-Based		Water Quality-Based		Existing Permit	
		Daily Avg	Daily Max	Daily Avg	Daily Max	Daily Avg	Daily Max
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
001	Flow	-	-	-	-	Report MGD	0.0288 MGD
	Oil & Grease	15	20	-	-	15	20
	pH	6.0 SU, minimum	9.0 SU	-	-	6.0 SU, minimum	9.0 SU