Administrative Package Cover Page

This file contains the following documents:

1. Summary of application (in plain language)
   - English
   - Alternative Language (Spanish)
2. First Notice (NORI-Notice of Receipt of Application and Intent to Obtain a Permit)
   - English
   - Alternative Language (Spanish)
3. Application materials

Portada de Paquete Administrativo

Este archivo contiene los siguientes documentos:

1. Resumen en lenguaje sencillo (PLS, por sus siglas en inglés) de la actividad propuesta
   - Inglés
   - Idioma alternativo (español)
2. Primer aviso (NORI, por sus siglas en inglés)
   - Inglés
   - Idioma alternativo (español)
3. Solicitud original

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

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

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

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

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

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

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

City of Corpus Christi (CN600131858) operates the New Broadway Wastewater Treatment Facility (RN101610186), an activated sludge facility operated in the extended aeration mode. The facility is located at 1402 West Broadway Street, in Corpus Christ, Nueces County, Texas 78401. This application is for a permit renewal to discharge a combined 8,000,000 gallons per day via Outfalls 001 and 002.

Discharges from the facility are expected to contain 5-day biochemical oxygen demand, total suspended solids, and enterococci. Domestic wastewater is treated by bar screens, grit chambers, aeration basins, final clarifiers, a two-stage sludge digester, centrifuges, ultraviolet light (UV) chambers, and post-treatment granular media effluent filters with chlorination and dechlorination facilities.

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

AGUAS RESIDUALES DOMÉSTICAS /AGUAS PLUVIALES

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

La Ciudad de Corpus Christi (CN600131858) opera New Broadway instalación de tratamiento de aguas residuales (RN101610186), un instalación de lodos activados operada en el modo de aireación extendida. La instalación está ubicada en 1402 West Broadway Street, en Corpus Christi, Condado de Nueces, Texas 78401. Esta solicitud es para una renovación de permiso para descargar un total combinado de 8,000,000 de galones por día a través de los emisarios 001 y 002.

Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno de 5 días, sólidos suspendidos totales y enterococos. Aguas residuales domésticas está tratado por cribas de barras, cámaras de arena, tanques de aireación, clarificadores finales, un digestor de lodos de dos etapas, centrífugas, cámaras de luz ultravioleta (UV) y filtros de efluentes de medios granulares de postratamiento con instalaciones de cloración y decloración.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

PERMIT NO. WQ0010401005

APPLICATION. City of Corpus Christi, P.O. Box 9277, Corpus Christi, Texas 78469, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0010401005 (EPA I.D. No. TX0047066) to authorize the discharge of treated wastewater at a volume not to exceed an annual average flow of 8,000,000 gallons per day. The domestic wastewater treatment facility is located at 1402 West Broadway Street, in the city of Corpus Christi, in Nueces County, Texas 78401. The discharge route is from the plant site via Outfall 001 directly to Corpus Christi Inner Harbor and via Outfall 002 to Salt Flats Ditch, thence to Corpus Christi Inner Harbor. TCEQ received this application on March 4, 2025. The permit application will be available for viewing and copying at City of Corpus Christi Utilities Building, Front Desk, 2726 Holly Road, Corpus Christi, in Nueces 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=-97.400204,27.804149&level=18

ALTERNATIVE LANGUAGE NOTICE. Alternative language notice in Spanish is available at: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. El aviso de idioma alternativo en español está disponible en https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications.

ADDITIONAL NOTICE. TCEQ's Executive Director has determined the application is administratively complete and will conduct a technical review of the application. After technical review of the application is complete, the Executive Director may prepare a draft permit and will issue a preliminary decision on the application. **Notice of the Application and Preliminary Decision will be published and mailed to those who are on the county-wide mailing list and to those who are on the mailing list for this application. That notice will contain the deadline for submitting public comments.**

PUBLIC COMMENT / PUBLIC MEETING. You may submit public comments or request a public meeting on this application. The purpose of a public meeting is to provide the opportunity to submit comments or to ask questions about the application. TCEQ will hold a public meeting if the Executive Director determines that there is a significant degree of public

interest in the application or if requested by a local legislator. A public meeting is not a contested case hearing.

OPPORTUNITY FOR A CONTESTED CASE HEARING. After the deadline for submitting public comments, the Executive Director will consider all timely comments and prepare a response to all relevant and material, or significant public comments. **Unless the application is directly referred for a contested case hearing, the response to comments, and the Executive Director's decision on the application, will be mailed to everyone who submitted public comments and to those persons who are on the mailing list for this application. If comments are received, the mailing will also provide instructions for requesting reconsideration of the Executive Director's decision and for requesting a contested case hearing.** A contested case hearing is a legal proceeding similar to a civil trial in state district court.

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

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

The Commission may only grant a request for a contested case hearing on issues the requestor submitted in their timely comments that were not subsequently withdrawn. **If a hearing is granted, the subject of a hearing will be limited to disputed issues of fact or mixed questions of fact and law relating to relevant and material water quality concerns submitted during the comment period.**

TCEQ may act on an application to renew a permit for discharge of wastewater without providing an opportunity for a contested case hearing if certain criteria are met.

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

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

AGENCY CONTACTS AND INFORMATION. All public comments and requests must be submitted either electronically at **https://www14.tceq.texas.gov/epic/eComment/**, or in writing to the Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Please be aware that any contact information you provide, including your name, phone number, email address and physical address will become part of the agency's public record. For more information about this permit application or the permitting process, please call the TCEQ Public Education Program, Toll Free, at 1-800-687-4040 or visit their website at www.tceq.texas.gov/goto/pep. Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained from City of Corpus Christi at the address stated above or by calling Mr. Earl Richardson, Wastewater Treatment Plant Manager, at 361-826-1848.

Issuance Date: March 21, 2025

Comisión de Calidad Ambiental del Estado de Texas

AVISO DE RECIBO DE LA SOLICITUD Y
EL INTENTO DE OBTENER PERMISO PARA LA CALIDAD DEL AGUA
RENOVACION

PERMISO NO. WQ0010401005

SOLICITUD. La Ciudad de Corpus Christi, P.O. Box 9277, Corpus Christi, Texas 78469, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0010401005 (EPA I.D. No. TX 0047066) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo anual promedio de 8,000,000 galones por día. La planta está ubicada 1402 West Broadway Street en el Condado de Nueces, Texas. La ruta de descarga es del sitio de la planta a vía el emisario 001 directamente al puerto interior de Corpus Christi y vía el emisario 002 a Salt Flats Ditch, de allí al puerto interior de Corpus Christi. La TCEQ recibió esta solicitud el 4 de marzo de 2025. La solicitud para el permiso estará disponible para leerla y copiarla en 2726 Holly Road, Corpus Christi, en el Condado de Nueces antes de la fecha de publicación de este aviso en el periódico. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.400204,27.804149&level=18

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

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

OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO CONTENCIOSO. Después del plazo para presentar comentarios públicos, el Director Ejecutivo considerará todos los comentarios apropiados y preparará una respuesta a todo los comentarios públicos esenciales, pertinentes, o significativos. **A menos que la solicitud haya sido referida**

directamente a una audiencia administrativa de lo contencioso, la respuesta a los comentarios y la decisión del Director Ejecutivo sobre la solicitud serán enviados por correo a todos los que presentaron un comentario público y a las personas que están en la lista para recibir avisos sobre esta solicitud. Si se reciben comentarios, el aviso también proveerá instrucciones para pedir una reconsideración de la decisión del Director Ejecutivo y para pedir una audiencia administrativa de lo contencioso. Una audiencia administrativa de lo contencioso es un procedimiento legal similar a un procedimiento legal civil en un tribunal de distrito del estado.

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

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

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

CONTACTOS E INFORMACIÓN A LA AGENCIA. Todos los comentarios públicos y solicitudes deben ser presentadas electrónicamente vía

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

También se puede obtener información adicional del la Ciudad de Corpus Christi a la dirección indicada arriba o llamando a Earl Richardson al 361-826-1848.

Fecha de emission: 21 de marzo de 2025

PLUMMER

0537-062-01

March 4, 2025

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

Re: City of Corpus Christi
New Broadway Wastewater Treatment Facility
Application for a Renewal of Texas Pollutant Discharge Elimination System (TPDES)
Permit No. WQ0010401005

To Whom It May Concern:

On behalf of the City of Corpus Christi, Plummer Associates, Inc. (Plummer) submits one original of a TPDES Permit Renewal application for the above-referenced facility. The application fee of $2,015.00 for the Domestic Wastewater Permit Application has been submitted to the Texas Commission on Environmental Quality Cashier's Office (MC-214) under separate cover.

Please feel free to contact me at alewis@plummer.com or (512) 687-2154, if you have any questions regarding this submittal.

Sincerely,

PLUMMER
TBPE Firm Registration No. F-13

Ashley Lewis

Ashley Lewis
Water Quality/Permitting Team Leader

Enclosures: TPDES Permit Application (1 original)

cc: Mr. Earl Richardson, Wastewater Treatment Plant Manager, City of Corpus Christi

8911 N Capital of TX Hwy
Bldg 1 – Ste 1250
Austin, Texas 78759
Phone 512.452.5905
Fax 512.452.2325
plummer.com
TBPE Firm No. 13

CITY OF CORPUS CHRISTI

NEW BROADWAY WASTEWATER TREATMENT FACILITY

TEXAS POLLUTANT DISCHARGE ELIMINTATION SYSTEM PERMIT RENEWAL APPLICATION PERMIT NO. WQ0010401005

SUBMITTED TO:
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

February 2025

PROJECT #: 0537-062-091

PLUMMER

CITY OF CORPUS CHRISTI
NEW BROADWAY WASTEWATER TREATMENT FACILITY
TPDES PERMIT RENEWAL APPLICATION

TABLE OF CONTENTS

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: City of Corpus Christi

PERMIT NUMBER (If new, leave blank): WQ00 10401005

Indicate if each of the following items is included in your application.

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

For TCEQ Use Only

Segment Number _____County _____
Expiration Date _____Region_____
Permit Number _____

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

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

Section 1. Application Fees (Instructions Page 26)

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

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

Minor Amendment (for any flow) $150.00 ☐

Payment Information:

Mailed — Check/Money Order Number: 549426

Check/Money Order Amount: $2,015.00

Name Printed on Check: City of Corpus Christi

EPAY — Voucher Number: N/A

Copy of Payment Voucher enclosed? Yes ☐ N/A

Section 2. Type of Application (Instructions Page 26)

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

☒ Publicly-Owned Domestic Wastewater

☐ Privately-Owned Domestic Wastewater

☐ Conventional Wastewater Treatment

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

☒ Active ☐ Inactive

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

☒ TPDES Permit

☐ TLAP

☐ TPDES Permit with TLAP component

☐ Subsurface Area Drip Dispersal System (SADDS)

d. Check the box next to the appropriate application type

☐ New

☐ Major Amendment *with* Renewal

☐ Major Amendment *without* Renewal

☒ Renewal without changes

☐ Minor Amendment *with* Renewal

☐ Minor Amendment *without* Renewal

☐ Minor Modification of permit

e. For amendments or modifications, describe the proposed changes: N/A

f. **For existing permits**:

Permit Number: WQ00 10401005

EPA I.D. (TPDES only): TX 0047066

Expiration Date: 8/31/2025

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

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

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

City of Corpus Christi

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

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

CN: 600131858

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

Prefix: Mr. Last Name, First Name: Molly, Drew

Title: Chief Operating Officer, Corpus Christi Water Credential: P.E.

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

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

N/A

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

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

CN: N/A

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

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

Title: N/A Credential: N/A

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

C. Core Data Form

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

Section 4. Application Contact Information (Instructions Page 27)

This is the person(s) TCEQ will contact if additional information is needed about this application. Provide a contact for administrative questions and technical questions.

A. Prefix: Mr. Last Name, First Name: Richardson, Earl

Title: Wastewater Treatment Plant Manager Credential: N/A

Organization Name: City of Corpus Christi

Mailing Address: 2726 Holly Road City, State, Zip Code: Corpus Christi, TX 78415

Phone No.: (361) 826-1848 E-mail Address: earlri@cctexas.com

Check one or both: ☒ Administrative Contact ☒ Technical Contact

B. Prefix: Ms. Last Name, First Name: Lewis, Ashley

Title: Water Quality/Permitting Team Leader Credential: N/A

Organization Name: Plummer Associates, Inc.

Mailing Address: 8911 N Capital of Tx Hwy, Ste 1250 City, State, Zip Code: Austin, TX 78759

Phone No.: (512) 687-2154 E-mail Address: alewis@plummer.com

Check one or both: ☒ Administrative Contact ☒ Technical Contact

Section 5. Permit Contact Information (Instructions Page 27)

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

A. Prefix: Mr. Last Name, First Name: Richardson, Earl

Title: Wastewater Treatment Plant Manager Credential: N/A

Organization Name: City of Corpus Christi

Mailing Address: 2726 Holly Road City, State, Zip Code: Corpus Christi, TX 78415

Phone No.: (361) 826-1848 E-mail Address: earlri@cctexas.com

B. Prefix: Mr. Last Name, First Name: Molly, Drew

Title: Chief Operating Officer Credential: P.E.

Organization Name: Corpus Christi Water

Mailing Address: P.O. Box 9277 City, State, Zip Code: Corpus Christi, TX 78469

Phone No.: (361) 826-3278 E-mail Address: drewm@cctexas.com

Section 6. Billing Contact Information (Instructions Page 27)

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

Prefix: Mr. Last Name, First Name: Richardson, Earl

Title: Wastewater Treatment Plant Manager Credential: N/A

Organization Name: City of Corpus Christi

Mailing Address: 2726 Holly Road City, State, Zip Code: Corpus Christi, TX 78415

Phone No.: (361) 826-1848 E-mail Address: earlri@cctexas.com

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

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

Prefix: Mr. Last Name, First Name: Richardson, Earl

Title: Wastewater Treatment Plant Manager Credential: N/A

Organization Name: City of Corpus Christi

Mailing Address: 2726 Holly Road City, State, Zip Code: Corpus Christi, TX 78415

Phone No.: (361) 826-1848 E-mail Address: earlri@cctexas.com

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Ms. Last Name, First Name: Garoutte, Alexandra

Title: Scientist in Training III Credential: N/A

Organization Name: Plummer Associates, Inc.

Mailing Address: 8911 N Capital of Tx Hwy, Ste 1250 City, State, Zip Code: Austin, TX 78759

Phone No.: (737)-304-7204 E-mail Address: ahughes@plummer.com

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

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

☒ E-mail Address

☐ Fax

☐ Regular Mail

C. Contact permit to be listed in the Notices

Prefix: Mr. Last Name, First Name: Richardson, Earl

Title: Wastewater Treatment Plant Manager Credential: N/A

Organization Name: City of Corpus Christi

Mailing Address: 2726 Holly Road City, State, Zip Code: Corpus Christi, TX 78415

Phone No.: (361) 826-1848 E-mail Address: earlri@cctexas.com

D. Public Viewing Information

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

Public building name: City of Corpus Christi Utilities Building

Location within the building: Front Desk

Physical Address of Building: 2726 Holly Road

City: Corpus Christi County: Nueces

Contact (Last Name, First Name): Abigail Perez

Phone No.: (361) 826-1800 Ext.: N/A

E. Bilingual Notice Requirements

This information **is required** for **new, major amendment, minor amendment or minor modification, and renewal** applications.

This section of the application is only used to determine if alternative language notices will be needed. Complete instructions on publishing the alternative language notices will be in your public notice package.

Please call the bilingual/ESL coordinator at the nearest elementary and middle schools and obtain the following information to determine whether an alternative language notices are required.

1. Is a bilingual education program required by the Texas Education Code at the elementary or middle school nearest to the facility or proposed facility?

   ☒ Yes ☐ No

   If **no**, publication of an alternative language notice is not required; **skip to** Section 9 below.

2. Are the students who attend either the elementary school or the middle school enrolled in a bilingual education program at that school?

   ☒ Yes ☐ No

3. Do the students at these schools attend a bilingual education program at another location?

   ☐ Yes ☒ No

4. Would the school be required to provide a bilingual education program but the school has waived out of this requirement under 19 TAC §89.1205(g)?

   ☐ Yes ☒ No

5. If the answer is **yes** to **question 1, 2, 3, or 4**, public notices in an alternative language are required. Which language is required by the bilingual program? Spanish

F. Plain Language Summary Template

Complete the Plain Language Summary (TCEQ Form 20972) and include as an attachment.

Attachment: B

G. Public Involvement Plan Form

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

Attachment: N/A

Section 9. Regulated Entity and Permitted Site Information (Instructions Page 29)

A. If the site is currently regulated by TCEQ, provide the Regulated Entity Number (RN) issued to this site. **RN** 101610186

Search the TCEQ's Central Registry at http://www15.tceq.texas.gov/crpub/ to determine if the site is currently regulated by TCEQ.

B. Name of project or site (the name known by the community where located):

New Broadway Wastewater Treatment Facility

C. Owner of treatment facility: City of Corpus Christi

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

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

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

Title: N/A Credential: N/A

Organization Name: City of Corpus Christi

Mailing Address: P.O. Box 9277 City, State, Zip Code: Corpus Christi, TX 78469

Phone No.: (361) 826-3278 E-mail Address: drewm@cctexas.com

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

Attachment: N/A

E. Owner of effluent disposal site:

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

Title: N/A Credential: N/A

Organization Name: N/A

Mailing Address: N/A City, State, Zip Code: N/A

Phone No.: N/A E-mail Address: N/A

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

Attachment: N/A

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

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

Title: N/A Credential: N/A

Organization Name: N/A

Mailing Address: N/A City, State, Zip Code: N/A

Phone No.: N/A E-mail Address: N/A

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

Attachment: N/A

Section 10. TPDES Discharge Information (Instructions Page 31)

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

☒ Yes ☐ No

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

N/A

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

☒ Yes ☐ No

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

N/A

City nearest the outfall(s): Corpus Christi

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

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

☐ Yes ☒ No

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

☐ Authorization granted ☐ Authorization pending N/A

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

Attachment: N/A

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

Section 11. TLAP Disposal Information (Instructions Page 32)

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

☐ Yes ☐ No N/A – Not a TLAP

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

N/A

B. City nearest the disposal site: N/A

C. County in which the disposal site is located: N/A

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

N/A

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

Section 12. Miscellaneous Information (Instructions Page 32)

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

☐ Yes ☒ No

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

☐ Yes ☐ No ☒ Not Applicable

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

N/A

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

☒ Yes ☐ No

If yes, list each person formerly employed by the TCEQ who represented your company and was paid for service regarding the application: Alexandra Hughes, Plummer Associates, Inc.

D. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

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

Account number: N/A

Amount past due: N/A

E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

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

Enforcement order number: N/A

Amount past due: N/A

Section 13. Attachments (Instructions Page 33)

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

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

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

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

☐ Attachment 1 for Individuals as co-applicants

☒ Other Attachments. Please specify: See Table of Contents

Section 14. Signature Page (Instructions Page 34)

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

Permit Number: WQ0010401005

Applicant: City of Corpus Christi

Certification:

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

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

Signatory name (typed or printed): Drew Molly, P.E.

Signatory title: Chief Operating Officer, Corpus Christi Water

Signature: _____ Date: 2/5/25

(Use blue ink)

Subscribed and Sworn to before me by the said Andrew Molly

on this 5th day of February, 20 25.

My commission expires on the 16th day of March, 20 26.

_____

Notary Public

[SEAL]

MARTHA VAZQUEZ
Notary ID #128028579
My Commission Expires
March 16, 2026

Nueces

County, Texas

DOMESTIC WASTEWATER PERMIT APPLICATION

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

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

Attachment: D

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

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

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

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

A. Existing/Interim I Phase

Design Flow (MGD): 8.0

2-Hr Peak Flow (MGD): 20.0

Estimated construction start date: 2009

Estimated waste disposal start date: 2014

B. Interim II Phase

Design Flow (MGD): 8.0

2-Hr Peak Flow (MGD): 30.0

Estimated construction start date: 2025

Estimated waste disposal start date: TBD

C. Final Phase

Design Flow (MGD): 8.0

2-Hr Peak Flow (MGD): 40.0

Estimated construction start date: TBD

Estimated waste disposal start date: TBD

D. Current Operating Phase

Provide the startup date of the facility: Existing/Interim I Phase: 2/17/2014

Section 2. Treatment Process (Instructions Page 43)

A. Current Operating Phase

Provide a detailed description of the treatment process. **Include the type of treatment plant, mode of operation, and all treatment units.** Start with the plant's head works and

finish with the point of discharge. Include all sludge processing and drying units. **If more than one phase exists or is proposed, a description of *each phase* must be provided**.

See Attachment E

B. Treatment Units

In Table 1.0(1), provide the treatment unit type, the number of units, and dimensions (length, width, depth) **of each treatment unit, accounting for *all* phases of operation.**

Table 1.0(1) - Treatment Units

Treatment Unit Type	Number of Units	Dimensions (L x W x D)
See Attachment F		

C. Process Flow Diagram

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

Attachment: G

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

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

- Latitude: 001: 27.811575; 002: 27.806700
- Longitude: 001: -97.409422; 002: -97.405443

Provide the TLAP disposal site latitude and longitude. Enter N/A if not applicable.

- Latitude: N/A
- Longitude: N/A

Provide a site drawing for the facility that shows the following:

- The boundaries of the treatment facility;
- The boundaries of the area served by the treatment facility;
- If land disposal of effluent, the boundaries of the disposal site and all storage/holding ponds; and
- If sludge disposal is authorized in the permit, the boundaries of the land application or disposal site.

Attachment: H

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

The New Broadway WWTF provides wastewater services to the downtown and North Beach areas of Corpus Christi, Texas.

Collection System Information **for wastewater TPDES permits only**: Provide information for each **uniquely owned** collection system, existing and new, served by this facility, including satellite collection systems. **Please see the instructions for a detailed explanation and examples.**

Collection System Information

Collection System Name	Owner Name	Owner Type	Population Served
City of Corpus Christi	City of Corpus Christi	Publicly Owned	31,000

Section 4. Unbuilt Phases (Instructions Page 45)

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

☒ Yes ☐ No

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

☒ Yes ☐ No

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

Construction on the Interim II Phase will begin in 2025.

Section 5. Closure Plans (Instructions Page 45)

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

☒ Yes ☐ No

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

☐ Yes ☒ No

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

The City no longer uses old backwash filters at the Oso WWTP and plans to demolish them in the future. Before proceeding with demolition, the City will submit a closure plan for these out-of-service units.

Section 6. Permit Specific Requirements (Instructions Page 45)

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

A. Summary transmittal

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

☒ Yes ☐ No

If yes, provide the date(s) of approval for each phase: Existing/Interim I: August 2008; Interim II: February 2016.

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

N/A

B. Buffer zones

Have the buffer zone requirements been met?

☒ Yes ☐ No

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

The New Broadway WWTF meets buffer zone requirements through ownership, nuisance odor prevention, and legal restrictions prohibiting residential development. All adjacent properties where the buffer zone extends past the applicant's property boundary are zoned IH - Heavy Industrial District, which prohibits residential development. IH Districts cannot be used for residential uses unless the property is rezoned by the City.

C. Other actions required by the current permit

Does the *Other Requirements* or *Special Provisions* section in the existing permit require submission of any other information or other required actions? Examples include Notification of Completion, progress reports, soil monitoring data, etc.

☒ Yes ☐ No

If yes, provide information below on the status of any actions taken to meet the conditions of an *Other Requirement* or *Special Provision*.

The permittee shall notify the TCEQ in writing at least 45 days prior to the completion of the Interim II and Final phases in accordance with Other Requirement No. 7., The permittee shall submit a summary transmittal letter to the TCEQ Prior to construction of the Final phase treatment facilities in accordance with Other Requirement No. 9.

D. Grit and grease treatment

1. Acceptance of grit and grease waste

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

☐ Yes ☒ No

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

2. Grit and grease processing

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

N/A

3. Grit disposal

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

☐ Yes ☐ No N/A

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

Describe the method of grit disposal.

N/A

4. *Grease and decanted liquid disposal*

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

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

N/A

E. Stormwater management

1. *Applicability*

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

☒ Yes ☐ No

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

☒ Yes ☐ No

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

2. *MSGP coverage*

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

☒ Yes ☐ No

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

TXR05 X005 or TXRNE

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

☐ Yes ☐ No N/A

3. *Conditional exclusion*

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

☐ Yes ☐ No N/A

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

N/A

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

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

☐ Yes ☐ No N/A

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

N/A

5. ***Zero stormwater discharge***

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

☐ Yes ☐ No N/A

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

N/A

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

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

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

☐ Yes ☐ No N/A

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

N/A

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

F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

☐ Yes ☒ No

If yes, attach a Sewage Sludge Solids Management Plan. See Example 5 in the instructions.
N/A

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

1. Acceptance of sludge from other WWTPs

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

☒ Yes ☐ No

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

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

The New Broadway Wastewater Treatment Facility (NBWWTF) does not currently accept sludge from other treatment plants. While the City has no future plans to regularly accept sludge from other treatment plants, the City would like the ability to occasionally accept sludge at NBWWTF from other domestic wastewater treatment plants owned by the City of Corpus Christi should operational conditions require further processing.

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

2. Acceptance of septic waste

Is the facility accepting or will it accept septic waste?

☒ Yes ☐ No

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

☐ Yes ☒ No

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

☐ Yes ☐ No N/A

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

New Broadway Wastewater Treatment Facility began accepting septic waste in 2014. The facility accepts approximately 260,000 gallons per month of septic waste, with an estimated BOD concentration of 1,400 mg/L. The design influent BOD5 concentration is approximately 200 mg/L.

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

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

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

☐ Yes ☒ No

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

N/A

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

Is the facility in operation?

☒ Yes ☐ No

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

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

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

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
$CBOD_5$, mg/l	2.0	5.0	31	G	10/1/2024-10/31/2024
Total Suspended Solids, mg/l	2.9	2.9	1	C	9/4/2024; 6:00

Ammonia Nitrogen, mg/l	0.10	0.10	1	C	9/4/2024; 6:00
Nitrate Nitrogen, mg/l	7.6	7.6	1	C	9/4/2024; 6:00
Total Kjeldahl Nitrogen, mg/l	1.09	1.09	1	C	9/4/2024; 6:00
Sulfate, mg/l	170	170	1	C	9/4/2024; 6:00
Chloride, mg/l	2278	2278	1	C	9/4/2024; 6:00
Total Phosphorus, mg/l	1.7	1.7	1	C	9/4/2024; 6:00
pH, standard units	7.8	7.8	1	G	9/4/2024; 7:50
Dissolved Oxygen*, mg/l	10.17	10.17	1	G	9/4/2024; 7:50
Chlorine Residual, mg/l	0.1	0.1	31	G	10/1/2024-10/31/2024
E.coli (CFU/100ml) freshwater	N/A				
Entercocci (CFU/100ml) saltwater	2.0	2.0	1	G	9/5/2024; 7:40
Total Dissolved Solids, mg/l	4212	4212	1	C	9/4/2024; 6:00
Electrical Conductivity, µmohs/cm, †	N/A				
Oil & Grease, mg/l	4.0	4.0	1	G	9/5/2024; 7:40
Alkalinity ($CaCO_3$)*, mg/l	134	134	1	G	9/4/2024; 6:00

*TPDES permits only
†TLAP permits only

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Total Suspended Solids, mg/l	N/A – Not a Water Treatment Facility				
Total Dissolved Solids, mg/l					
pH, standard units					
Fluoride, mg/l					
Aluminum, mg/l					
Alkalinity ($CaCO_3$), mg/l					

Section 8. Facility Operator (Instructions Page 50)

Facility Operator Name: See Attachment J

Facility Operator's License Classification and Level: See Attachment J

Facility Operator's License Number: See Attachment J

Section 9. Sludge and Biosolids Management and Disposal (Instructions Page 51)

A. WWTP's Biosolids Management Facility Type

Check all that apply. See instructions for guidance

- ☒ Design flow>= 1 MGD
- ☒ Serves >= 10,000 people
- ☐ Class I Sludge Management Facility (per 40 CFR § 503.9)
- ☐ Biosolids generator
- ☐ Biosolids end user – land application (onsite)
- ☐ Biosolids end user – surface disposal (onsite)
- ☐ Biosolids end user – incinerator (onsite)

B. WWTP's Biosolids Treatment Process

Check all that apply. See instructions for guidance.

- ☐ Aerobic Digestion
- ☐ Air Drying (or sludge drying beds)
- ☐ Lower Temperature Composting
- ☐ Lime Stabilization
- ☐ Higher Temperature Composting
- ☐ Heat Drying
- ☐ Thermophilic Aerobic Digestion
- ☐ Beta Ray Irradiation
- ☐ Gamma Ray Irradiation
- ☐ Pasteurization
- ☒ Preliminary Operation (e.g. grinding, de-gritting, blending)
- ☒ Thickening (e.g. gravity thickening, centrifugation, filter press, vacuum filter)
- ☐ Sludge Lagoon
- ☐ Temporary Storage (< 2 years)
- ☐ Long Term Storage (>= 2 years)
- ☐ Methane or Biogas Recovery
- ☐ Other Treatment Process:

C. Biosolids Management

Provide information on the *intended* biosolids management practice. Do not enter every management practice that you want authorized in the permit, as the permit will authorize

all biosolids management practices listed in the instructions. Rather indicate the management practice the facility plans to use.

Biosolids Management

Management Practice	Handler or Preparer Type	Bulk or Bag Container	Amount (dry metric tons)	Pathogen Reduction Options	Vector Attraction Reduction Option
Disposal in Landfill	On-Site Owner or Operator	Bulk	N/A	N/A	N/A

If "Other" is selected for Management Practice, please explain (e.g. monofill or transport to another WWTP): Sludge may be transported to another wastewater treatment facility that is also owned by the City of Corpus Christi, therefore, a contractual agreement is not required.

D. Disposal site

Disposal site name: Cefe Valenzuela Landfill

TCEQ permit or registration number: MSW Disposal Permit No. 2269

County where disposal site is located: Nueces

E. Transportation method

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

Name of the hauler: City of Corpus Christi

Hauler registration number: Sludge Registration No. 21970

Sludge is transported as a:

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

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

A. Beneficial use authorization

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

☐ Yes ☒ No

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

☐ Yes ☐ No N/A

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

☐ Yes ☐ No N/A

B. Sludge processing authorization

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

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

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

☐ Yes ☐ No N/A

Section 11. Sewage Sludge Lagoons (Instructions Page 53)

Does this facility include sewage sludge lagoons?

☐ Yes ☒ No

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

A. Location information

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

- Original General Highway (County) Map:

  Attachment: N/A
- USDA Natural Resources Conservation Service Soil Map:

  Attachment: N/A
- Federal Emergency Management Map:

  Attachment: N/A
- Site map:

  Attachment: N/A

Discuss in a description if any of the following exist within the lagoon area. Check all that apply.

☐ Overlap a designated 100-year frequency flood plain

☐ Soils with flooding classification

☐ Overlap an unstable area

☐ Wetlands

☐ Located less than 60 meters from a fault

☐ None of the above

Attachment: N/A

If a portion of the lagoon(s) is located within the 100-year frequency flood plain, provide the protective measures to be utilized including type and size of protective structures:

N/A

B. Temporary storage information

Provide the results for the pollutant screening of sludge lagoons. These results are in addition to pollutant results in *Section 7 of Technical Report 1.0.*

Nitrate Nitrogen, mg/kg: N/A

Total Kjeldahl Nitrogen, mg/kg: N/A

Total Nitrogen (=nitrate nitrogen + TKN), mg/kg: N/A

Phosphorus, mg/kg: N/A

Potassium, mg/kg: N/A

pH, standard units: N/A

Ammonia Nitrogen mg/kg: N/A

Arsenic: N/A

Cadmium: N/A

Chromium: N/A

Copper: N/A

Lead: N/A

Mercury: N/A

Molybdenum: N/A

Nickel: N/A

Selenium: N/A

Zinc: N/A

Total PCBs: N/A

Provide the following information:

Volume and frequency of sludge to the lagoon(s): N/A

Total dry tons stored in the lagoons(s) per 365-day period: N/A

Total dry tons stored in the lagoons(s) over the life of the unit: N/A

C. Liner information

Does the active/proposed sludge lagoon(s) have a liner with a maximum hydraulic conductivity of $1x10^{-7}$ cm/sec?

☐ Yes ☐ No N/A

If yes, describe the liner below. Please note that a liner is required.

N/A

D. Site development plan

Provide a detailed description of the methods used to deposit sludge in the lagoon(s):

N/A

Attach the following documents to the application.

- Plan view and cross-section of the sludge lagoon(s)

  Attachment: N/A
- Copy of the closure plan

  Attachment: N/A
- Copy of deed recordation for the site

  Attachment: N/A
- Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons

  Attachment: N/A
- Description of the method of controlling infiltration of groundwater and surface water from entering the site

  Attachment: N/A
- Procedures to prevent the occurrence of nuisance conditions

  Attachment: N/A

E. Groundwater monitoring

Is groundwater monitoring currently conducted at this site, or are any wells available for groundwater monitoring, or are groundwater monitoring data otherwise available for the sludge lagoon(s)?

☐ Yes ☐ No N/A

If groundwater monitoring data are available, provide a copy. Provide a profile of soil types encountered down to the groundwater table and the depth to the shallowest groundwater as a separate attachment.

Attachment: N/A

Section 12. Authorizations/Compliance/Enforcement (Instructions

Page 55)

A. Additional authorizations

Does the permittee have additional authorizations for this facility, such as reuse authorization, sludge permit, etc?

☒ Yes ☐ No

If yes, provide the TCEQ authorization number and description of the authorization:

Sludge authorization No. R10401005.

B. Permittee enforcement status

Is the permittee currently under enforcement for this facility?

☐ Yes ☒ No

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

☐ Yes ☒ No

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

N/A

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

A. RCRA hazardous wastes

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

☐ Yes ☒ No

B. Remediation activity wastewater

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

☐ Yes ☒ No

C. Details about wastes received

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

Attachment: N/A

Section 14. Laboratory Accreditation (Instructions Page 56)

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

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

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

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

CERTIFICATION:

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

Printed Name: Drew Molly, P.E.

Title: Chief Operating Officer, Corpus Christi Water

Signature: _____

Date: 2/5/25

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 2.0: RECEIVING WATERS

The following information is required for all TPDES permit applications. **Outfall 001**

Section 1. Domestic Drinking Water Supply (Instructions Page 64)

Is there a surface water intake for domestic drinking water supply located within 5 miles downstream from the point or proposed point of discharge?

☐ Yes ☒ No

If **no**, proceed it Section 2. **If yes**, provide the following:

Owner of the drinking water supply: N/A

Distance and direction to the intake: N/A

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

Attachment: N/A

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

Does the facility discharge into tidally affected waters?

☒ Yes ☐ No

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

A. Receiving water outfall

Width of the receiving water at the outfall, in feet: Open waterbody >400 ft

B. Oyster waters

Are there oyster waters in the vicinity of the discharge?

☐ Yes ☒ No

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

N/A

C. Sea grasses

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

☐ Yes ☒ No

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

N/A

Section 3. Classified Segments (Instructions Page 64)

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

☒ Yes ☐ No

If yes, this Worksheet is complete.

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

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

Name of the immediate receiving waters: N/A

A. Receiving water type N/A

Identify the appropriate description of the receiving waters.

☐ Stream

☐ Freshwater Swamp or Marsh

☐ Lake or Pond

Surface area, in acres:

Average depth of the entire water body, in feet:

Average depth of water body within a 500-foot radius of discharge point, in feet:

☐ Man-made Channel or Ditch

☐ Open Bay

☐ Tidal Stream, Bayou, or Marsh

☐ Other, specify:

B. Flow characteristics N/A

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

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

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

☐ Perennial - normally flowing

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

☐ USGS flow records

☐ Historical observation by adjacent landowners

☐ Personal observation

☐ Other, specify:

C. Downstream perennial confluences

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

N/A

D. Downstream characteristics

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

☐ Yes ☐ No N/A

If yes, discuss how.

N/A

E. Normal dry weather characteristics

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

N/A

Date and time of observation: N/A

Was the water body influenced by stormwater runoff during observations?

☐ Yes ☐ No N/A

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

A. Upstream influences N/A

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

☐ Oil field activities
☐ Upstream discharges
☐ Septic tanks
☐ Urban runoff
☐ Agricultural runoff
☐ Other(s), specify:

B. Waterbody uses N/A

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

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

C. Waterbody aesthetics N/A

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

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

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 2.0: RECEIVING WATERS

The following information is required for all TPDES permit applications. **Outfall 002**

Section 1. Domestic Drinking Water Supply (Instructions Page 64)

Is there a surface water intake for domestic drinking water supply located within 5 miles downstream from the point or proposed point of discharge?

☐ Yes ☒ No

If **no**, proceed it Section 2. **If yes**, provide the following:

Owner of the drinking water supply: N/A

Distance and direction to the intake: N/A

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

Attachment: N/A

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

Does the facility discharge into tidally affected waters?

☒ Yes ☐ No

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

A. Receiving water outfall

Width of the receiving water at the outfall, in feet: Approximately 35 ft

Oyster waters

Are there oyster waters in the vicinity of the discharge?

☐ Yes ☒ No

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

N/A

Sea grasses

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

☐ Yes ☒ No

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

N/A

Section 3. Classified Segments (Instructions Page 64)

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

☐ Yes ☒ No

If yes, this Worksheet is complete.

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

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

Name of the immediate receiving waters: Man-made ditch (locally known as Salt Flats Ditch)

A. Receiving water type

Identify the appropriate description of the receiving waters.

☐ Stream

☐ Freshwater Swamp or Marsh

☐ Lake or Pond

Surface area, in acres:

Average depth of the entire water body, in feet:

Average depth of water body within a 500-foot radius of discharge point, in feet:

☒ Man-made Channel or Ditch

☐ Open Bay

☐ Tidal Stream, Bayou, or Marsh

☐ Other, specify:

Flow characteristics

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

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

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

☒ Perennial - normally flowing

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

☐ USGS flow records

☐ Historical observation by adjacent landowners

☒ Personal observation

☐ Other, specify: N/A

Downstream perennial confluences

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

Outfall 002 discharges into a man-made ditch (locally known as Salt Flats Ditch), which is a tidally influenced perennial stream. The ditch then confluences with the Corpus Christi Inner Harbor (Classified Segment No. 2484), thence to Corpus Christi Bay which are bay estuary water bodies.

Downstream characteristics

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

☒ Yes ☐ No

If yes, discuss how.

Outfall 002 flows into a man-made ditch (locally known as Salt Flats Ditch), which is a tidally influenced perennial stream. The ditch then confluences with the Corpus Christi Inner Harbor (Classified Segment No.2484), thence to Corpus Christi Bay which are bay estuary water bodies.

Normal dry weather characteristics

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

Water is clear. Streambed is a wide concrete channel with a shallow, slow-moving current. No overhead vegetation.

Date and time of observation: 11/14/2024; 10:00 A.M.

Was the water body influenced by stormwater runoff during observations?

☐ Yes ☐ No

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

A. Upstream influences

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

- ☐ Oil field activities
- ☐ Upstream discharges
- ☐ Septic tanks
- ☒ Urban runoff
- ☐ Agricultural runoff
- ☐ Other(s), specify:

Waterbody uses

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

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

Waterbody aesthetics

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

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

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 4.0: POLLUTANT ANALYSIS REQUIREMENTS

The following **is required** for facilities with a permitted or proposed flow of **1.0 MGD or greater**, facilities with an approved **pretreatment** program, or facilities classified as a **major** facility. See instructions for further details.

This worksheet is not required minor amendments without renewal.

Section 1. Toxic Pollutants (Instructions Page 78)

For pollutants identified in Table 4.0(1), indicate the type of sample.

Grab ☒ Composite ☒

Date and time sample(s) collected: See Attachment I

Table 4.0(1) – Toxics Analysis

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acrylonitrile	<50	<50	1	50
Aldrin	<0.01	<0.01	1	0.01
Aluminum	22	25	4	2.5
Anthracene	<10	<10	1	10
Antimony	<5	<5	3	5
Arsenic	5.45	8.1	4	0.5
Barium	82.25	94	4	3
Benzene	<10	<10	1	10
Benzidine	<50	<50	1	50
Benzo(a)anthracene	<5	<5	1	5
Benzo(a)pyrene	<5	<5	1	5
Bis(2-chloroethyl)ether	<10	<10	1	10
Bis(2-ethylhexyl)phthalate	<10	<10	1	10
Bromodichloromethane	<10	<10	1	10
Bromoform	<10	<10	1	10
Cadmium	<1	<1	3	1
Carbon Tetrachloride	<2	<2	1	2
Carbaryl	<5	<5	1	5
Chlordane*	<0.2	<0.2	1	0.2
Chlorobenzene	<10	<10	1	10
Chlorodibromomethane	<10	<10	1	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Chloroform	<10	<10	1	10
Chlorpyrifos	<0.05	<0.05	1	0.05
Chromium (Total)	<3	3.3	3	3
Chromium (Tri) **(*1)**	<3	<3	1	N/A
Chromium (Hex)	<3	<3	1	3
Copper	20.5	28	4	2
Chrysene	<5	<5	1	5
p-Chloro-m-Cresol	<10	<10	1	10
4,6-Dinitro-o-Cresol	<50	<50	1	50
p-Cresol	<10	<10	1	10
Cyanide **(*2)**	<10	<10	1	10
4,4'- DDD	<0.1	<0.1	1	0.1
4,4'- DDE	<0.1	<0.1	1	0.1
4,4'- DDT	<0.02	<0.02	1	0.02
2,4-D	<0.7	<0.7	1	0.7
Demeton (O and S)	<0.2	<0.2	1	0.20
Diazinon	<0.1	<0.1	1	0.5/0.1
1,2-Dibromoethane	<10	<10	1	10
m-Dichlorobenzene	<10	<10	1	10
o-Dichlorobenzene	<10	<10	1	10
p-Dichlorobenzene	<10	<10	1	10
3,3'-Dichlorobenzidine	<5	<5	1	5
1,2-Dichloroethane	<10	<10	1	10
1,1-Dichloroethylene	<10	<10	1	10
Dichloromethane	<20	<20	1	20
1,2-Dichloropropane	<10	<10	1	10
1,3-Dichloropropene	<10	<10	1	10
Dicofol	<1	<1	1	1
Dieldrin	<0.02	<0.02	1	0.02
2,4-Dimethylphenol	<10	<10	1	10
Di-n-Butyl Phthalate	<10	<10	1	10
Diuron	<0.09	<0.09	1	0.09
Endosulfan I (alpha)	<0.01	<0.01	1	0.01

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Endosulfan II (beta)	<0.02	<0.02	1	0.02
Endosulfan Sulfate	<0.1	<0.1	1	0.1
Endrin	<0.02	<0.02	1	0.02
Ethylbenzene	<10	<10	1	10
Fluoride	<500	<500	1	500
Guthion	<0.1	<0.1	1	0.1
Heptachlor	<0.01	<0.01	1	0.01
Heptachlor Epoxide	<0.01	<0.01		0.01
Hexachlorobenzene	<5	<5	1	5
Hexachlorobutadiene	<10	<10	1	10
Hexachlorocyclohexane (alpha)	<0.05	<0.05	1	0.05
Hexachlorocyclohexane (beta)	<0.05	<0.05	1	0.05
gamma-Hexachlorocyclohexane (Lindane)	<0.05	<0.05	1	0.05
Hexachlorocyclopentadiene	<10	<10	1	10
Hexachloroethane	<20	<20	1	20
Hexachlorophene	<10	<10	1	10
Lead	<1	<1	3	0.5
Malathion	<0.1	<0.1	1	0.1
Mercury	<0.005	<0.005	1	0.005
Methoxychlor	<2	<2	1	2
Methyl Ethyl Ketone	<50	<50	1	50
Mirex	<0.02	<0.02	1	0.02
Nickel	9.25	12	4	2
Nitrate-Nitrogen	12,300	12,300	1	100
Nitrobenzene	<10	<10	1	10
N-Nitrosodiethylamine	<20	<20	1	20
N-Nitroso-di-n-Butylamine	<20	<20	1	20
Nonylphenol	<333	<333	1	333
Parathion (ethyl)	<0.1	<0.1	1	0.1
Pentachlorobenzene	<20	<20	1	20
Pentachlorophenol	<5	<5	1	5
Phenanthrene	<10	<10	1	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Polychlorinated Biphenyls (PCB's) **(*3)**	<0.2	<0.2	1	0.2
Pyridine	<20	<20	1	20
Selenium	17.5	28	4	5
Silver	<0.5	<0.5	3	0.5
1,2,4,5-Tetrachlorobenzene	<20	<20	1	20
1,1,2,2-Tetrachloroethane	<10	<10	1	10
Tetrachloroethylene	<10	<10	1	10
Thallium	<0.5	<0.5	3	0.5
Toluene	<10	<10	1	10
Toxaphene	<0.3	<0.3	1	0.3
2,4,5-TP (Silvex)	<0.3	<0.3	1	0.3
Tributyltin (see instructions for explanation)	N/A			0.01
1,1,1-Trichloroethane	<10	<10	1	10
1,1,2-Trichloroethane	<10	<10	1	10
Trichloroethylene	<10	<10	1	10
2,4,5-Trichlorophenol	<50	<50	1	50
TTHM (Total Trihalomethanes)	<10	<10	1	10
Vinyl Chloride	<10	<10	1	10
Zinc	30.5	41	4	5

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

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

(*3) The sum of seven PCB congeners 1242, 1254, 1221, 1232, 1248, 1260, and 1016.

Section 2. Priority Pollutants

For pollutants identified in Tables 4.0(2)A-E, indicate type of sample.

Grab ☒ Composite ☒

Date and time sample(s) collected: See Attachment I

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

Pollutant	**AVG Effluent Conc. (µg/l)**	**MAX Effluent Conc. (µg/l)**	**Number of Samples**	**MAL (µg/l)**
Antimony	<5	<5	3	5
Arsenic	5.45	8.1	4	0.5
Beryllium	<0.5	<0.5	4	0.5
Cadmium	<1	<1	3	1
Chromium (Total)	<3	3.3	3	3
Chromium (Hex)	<3	<3	1	3
Chromium (Tri) **(*1)**	<3	<3	1	N/A
Copper	20.5	28	4	2
Lead	<1	<1	3	0.5
Mercury	<0.005	<0.005	1	0.005
Nickel	9.25	12	4	2
Selenium	17.5	28	4	5
Silver	<0.5	<0.5	3	0.5
Thallium	<0.5	<0.5	3	0.5
Zinc	30.5	41	1	5
Cyanide **(*2)**	<10	<10	1	10
Phenols, Total	<10	<10	1	10

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

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

Table 4.0(2)B – Volatile Compounds

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

Table 4.0(2)C – Acid Compounds

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

Table 4.0(2)D – Base/Neutral Compounds

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

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

Table 4.0(2)E – Pesticides

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

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

Section 3. Dioxin/Furan Compounds

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

☐ 2,4,5-trichlorophenoxy acetic acid

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

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

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

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

Common Name Erbon, CASRN 136-25-4

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

Common Name Ronnel, CASRN 299-84-3

☐ 2,4,5-trichlorophenol

Common Name TCP, CASRN 95-95-4

☐ hexachlorophene

Common Name HCP, CASRN 70-30-4

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

N/A

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

☐ Yes ☒ No

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

N/A

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

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

Grab ☐ Composite ☐

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

Table 4.0(2)F – Dioxin/Furan Compounds

Compound	Toxic Equivalency Factors	Wastewater Concentration (ppq)	Wastewater Equivalents (ppq)	Sludge Concentration (ppt)	Sludge Equivalents (ppt)	MAL (ppq)
2,3,7,8 TCDD	1					10
1,2,3,7,8 PeCDD	0.5					50
2,3,7,8 HxCDDs	0.1					50
1,2,3,4,6,7,8 HpCDD	0.01					50
2,3,7,8 TCDF	0.1					10
1,2,3,7,8 PeCDF	0.05					50
2,3,4,7,8 PeCDF	0.5					50
2,3,7,8 HxCDFs	0.1					50
2,3,4,7,8 HpCDFs	0.01					50
OCDD	0.0003					100
OCDF	0.0003					100
PCB 77	0.0001					0.5
PCB 81	0.0003					0.5
PCB 126	0.1					0.5
PCB 169	0.03					0.5
Total						

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 5.0: TOXICITY TESTING REQUIREMENTS

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

This worksheet is not required minor amendments without renewal.

Section 1. Required Tests (Instructions Page 88)

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

7-day Chronic: See Attachment K

48-hour Acute: See Attachment K

Section 2. Toxicity Reduction Evaluations (TREs)

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

☐ Yes ☒ No

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

N/A

Section 3. Summary of WET Tests

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

Table 5.0(1) Summary of WET Tests

Test Date	Test Species	NOEC Survival	NOEC Sub-lethal
	See Attachment K		

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 6.0: INDUSTRIAL WASTE CONTRIBUTION

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

Section 1. All POTWs (Instructions Page 89)

A. Industrial users (IUs)

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

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

Categorical IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0

Significant IUs – non-categorical:

Number of IUs: 0

Average Daily Flows, in MGD: 0

Other IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0

B. Treatment plant interference

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

☐ Yes ☒ No

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

N/A

C. Treatment plant pass through

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

☐ Yes ☒ No

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

N/A

D. Pretreatment program

Does your POTW have an approved pretreatment program?

☒ Yes ☐ No

If yes, complete Section 2 only of this Worksheet.

Is your POTW required to develop an approved pretreatment program?

☐ Yes ☐ No N/A

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

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

E. Service Area Map

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

Attachment: N/A

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

A. Substantial modifications

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

☐ Yes ☒ No

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

N/A

B. Non-substantial modifications

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

☐ Yes ☒ No

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

N/A

C. Effluent parameters above the MAL

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

Table 6.0(1) – Parameters Above the MAL

Pollutant	Concentration	MAL	Units	Date
See Attachment L				

D. Industrial user interruptions

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

☐ Yes ☒ No

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

N/A

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

A. General information

Company Name: N/A

SIC Code: N/A

Contact name: N/A

Address: N/A

City, State, and Zip Code: N/A

Telephone number: N/A

Email address: N/A

B. Process information

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

N/A

C. Product and service information

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

N/A

D. Flow rate information

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

Process Wastewater:

Discharge, in gallons/day: N/A

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

Non-Process Wastewater:

Discharge, in gallons/day: N/A

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

E. Pretreatment standards N/A

Is the SIU or CIU subject to technically based local limits as defined in the *i*nstructions?

☐ Yes ☐ No

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

☐ Yes ☐ No

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

Category: N/A

Subcategories: N/A

Category: N/A

Subcategories: N/A

Category: N/A

Subcategories: N/A

Category: N/A

Subcategories: N/A

Category: N/A

Subcategories: N/A

F. Industrial user interruptions

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

☐ Yes ☒ No

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

N/A

CITY OF CORPUS CHRISTI
NEW BROADWAY WASTEWATER TREATMENT FACILITY
TPDES PERMIT RENEWAL APPLICATION

TABLE OF ATTACHMENTS

ATTACHMENT A

Core Data Form
Admin Rpt 1.0, Section 3.C

TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

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

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

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

☐ Other

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	**3. Regulated Entity Reference Number** *(if issued)*
CN 600131858		**RN 101610186**

SECTION II: Customer Information

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

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

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

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

If new Customer, enter previous Customer below:

City of Corpus Christi

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

11. Type of Customer:

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

12. Number of Employees

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

13. Independently Owned and Operated?

☐ **Yes** ☒ **No**

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

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

15. Mailing Address:

P.O. Box 9277

City	Corpus Christi	**State**	TX	**ZIP**	78469	**ZIP + 4**	9277

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

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(361) 826-3278		( ) -

SECTION III: Regulated Entity Information

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

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

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

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

New Broadway Wastewater Treatment Facility

23. Street Address of the Regulated Entity: ***(No PO Boxes)***	1402 West Broadway Street							
	City	Corpus Christi	**State**	TX	**ZIP**	78401	**ZIP + 4**	1371
24. County	Nueces							

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

25. Description to Physical Location:	

26. Nearest City	**State**	**Nearest ZIP Code**
Corpus Chrisi	TX	78401

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

27. Latitude (N) In Decimal:			**28. Longitude (W) In Decimal:**		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
27	48	12	97	24	3

29. Primary SIC Code (4 digits)	**30. Secondary SIC Code** (4 digits)	**31. Primary NAICS Code** (5 or 6 digits)	**32. Secondary NAICS Code** (5 or 6 digits)
4952		221320	

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

Treatment of domestic wastewater

34. Mailing Address:	**2726 Holly Road**							
	City	**Corpus Christi**	**State**	**TX**	**ZIP**	**78415**	**ZIP + 4**	**4112**

35. E-Mail Address:	**earlri@cctexas.com**

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(361) 826-1848		( ) -

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

☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☒ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:
	WQ0010401005			

SECTION IV: Preparer Information

40. Name:	Jenni Griesel	41. Title:	Project Engineer

42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(512) 687-2193		( ) -	jgriesel@plummer.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:	Corpus Christi Water	Job Title:	Chief Operating Officer	
Name *(In Print)*:	Drew Molly, P.E.		Phone:	(361) 826- **3278**
Signature:	2/5/25		Date:	

ATTACHMENT B

Plain Language Summary
Admin Rpt 1.0, Section 8.F

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

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

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

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

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

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

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

City of Corpus Christi (CN600131858) operates the New Broadway Wastewater Treatment Facility (RN101610186), an activated sludge facility operated in the extended aeration mode. The facility is located at 1402 West Broadway Street, in Corpus Christ, Nueces County, Texas 78401. This application is for a permit renewal to discharge a combined 8,000,000 gallons per day via Outfalls 001 and 002.

Discharges from the facility are expected to contain 5-day biochemical oxygen demand, total suspended solids, and enterococci. Domestic wastewater is treated by bar screens, grit chambers, aeration basins, final clarifiers, a two-stage sludge digester, centrifuges, ultraviolet light (UV) chambers, and post-treatment granular media effluent filters with chlorination and dechlorination facilities.

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

AGUAS RESIDUALES DOMÉSTICAS /AGUAS PLUVIALES

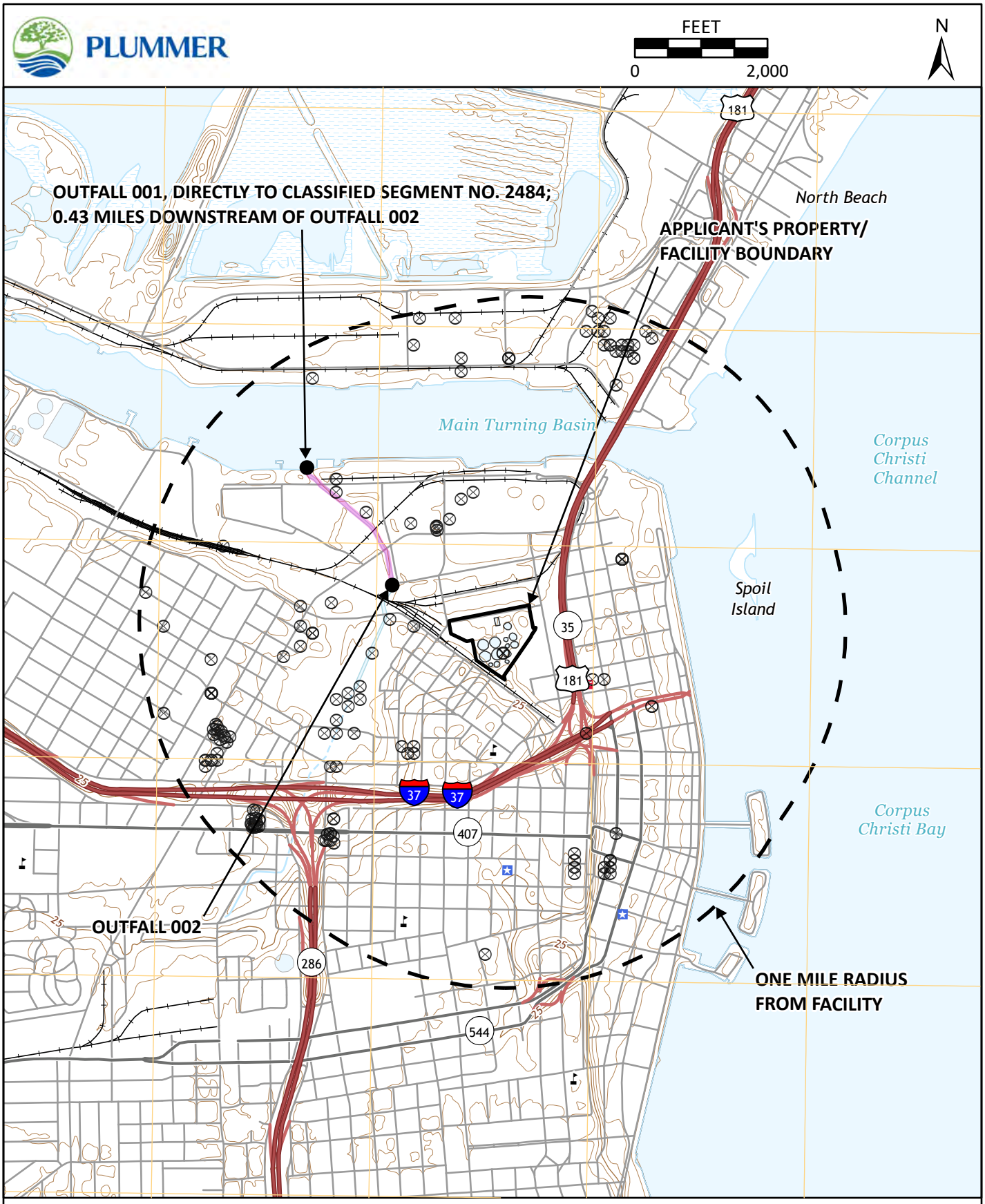
El siguiente resumen se proporciona para esta solicitud de permiso de calidad del agua pendiente que está siendo revisada por la Comisión de Calidad Ambiental de Texas según lo requerido por el Capítulo 39 del Código Administrativo de Texas 30. La información proporcionada en este resumen puede cambiar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

La Ciudad de Corpus Christi (CN600131858) opera New Broadway instalación de tratamiento de aguas residuales (RN101610186), un instalación de lodos activados operada en el modo de aireación extendida. La instalación está ubicada en 1402 West Broadway Street, en Corpus Christi, Condado de Nueces, Texas 78401. Esta solicitud es para una renovación de permiso para descargar un total combinado de 8,000,000 de galones por día a través de los emisarios 001 y 002.

Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno de 5 días, sólidos suspendidos totales y enterococos. Aguas residuales domésticas está tratado por cribas de barras, cámaras de arena, tanques de aireación, clarificadores finales, un digestor de lodos de dos etapas, centrífugas, cámaras de luz ultravioleta (UV) y filtros de efluentes de medios granulares de postratamiento con instalaciones de cloración y decloración.

ATTACHMENT C

USGS Map
Admin Rpt 1.0, Section 13



⊗ Monitor Wells

ATTACHMENT C
CITY OF CORPUS CHRISTI
NEW BROADWAY WASTEWATER TREATMENT FACILITY
TPDES PERMIT RENEWAL APPLICATION
USGS MAP

TEXAS REGISTERED ENGINEERING FIRM F-13
Z:\Shared\Projects\Water\0537\062-01\05 Project Work\03 GIS\NEW BROADWAY ATTACHMENTS.aprx

ATTACHMENT D

Supplemental Permit Information Form
SPIF

EWTEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

TCEQ USE ONLY:

Application type: ____Renewal ____Major Amendment ____Minor Amendment ____New

County: _____ Segment Number: _____

Admin Complete Date: _____

Agency Receiving SPIF:

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

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

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

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

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

The following applies to all applications:

1. Permittee: City of Corpus Christi

   Permit No. WQ00 10401005 EPA ID No. TX 0047066

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

   1402 West Broadway Street, in the City of Corpus Christi, Nueces County, Texas 78401

Provide the name, address, phone and fax number of an individual that can be contacted to answer specific questions about the property.

Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Earl Richardson

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

Title: Wastewater Treatment Plant Manager

Mailing Address: 2726 Holly Road

City, State, Zip Code: Corpus Christi, TX 78415

Phone No.: (361) 826-1848 Ext.: N/A Fax No.: N/A

E-mail Address: earlri@cctexas.com

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

N/A

4. Provide a description of the effluent discharge route. The discharge route must follow the flow of effluent from the point of discharge to the nearest major watercourse (from the point of discharge to a classified segment as defined in 30 TAC Chapter 307). If known, please identify the classified segment number.

via Outfall 001 directly to Corpus Christi Inner Harbor in Segment No. 2484 of the Bays and Estuaries and via Outfall 002 to Salt Flats Ditch; thence to Corpus Christi Inner Harbor in Segment No. 2484 of the Bays and Estuaries

5. Please provide a separate 7.5-minute USGS quadrangle map with the project boundaries plotted and a general location map showing the project area. Please highlight the discharge route from the point of discharge for a distance of one mile downstream. (This map is required in addition to the map in the administrative report). See SPIF 1 and SPIF 2

Provide original photographs of any structures 50 years or older on the property. See SPIF 3

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

☐ Proposed access roads, utility lines, construction easements

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

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

☒ Additional phases of development that are planned for the future

☐ Sealing caves, fractures, sinkholes, other karst features

☒ Disturbance of vegetation or wetlands

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

N/A

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

The wastewater treatment facility is located in an industrial park. Vegetation includes grass as ground cover.

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

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

N/A

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

N/A

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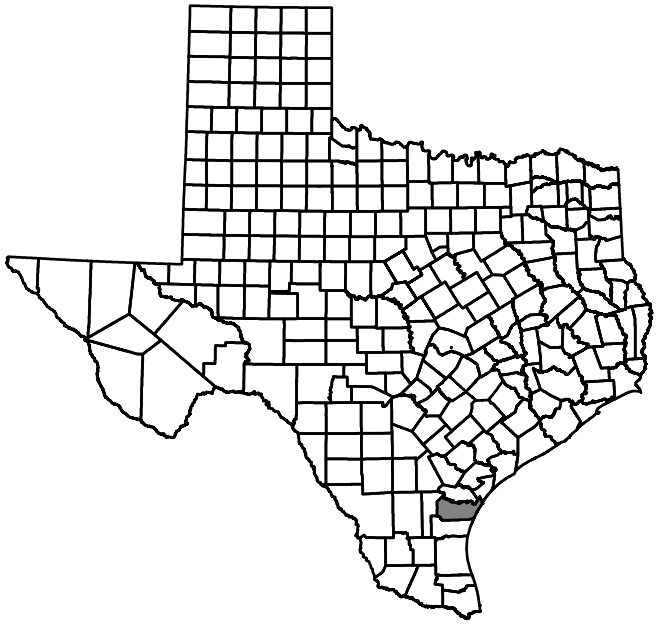
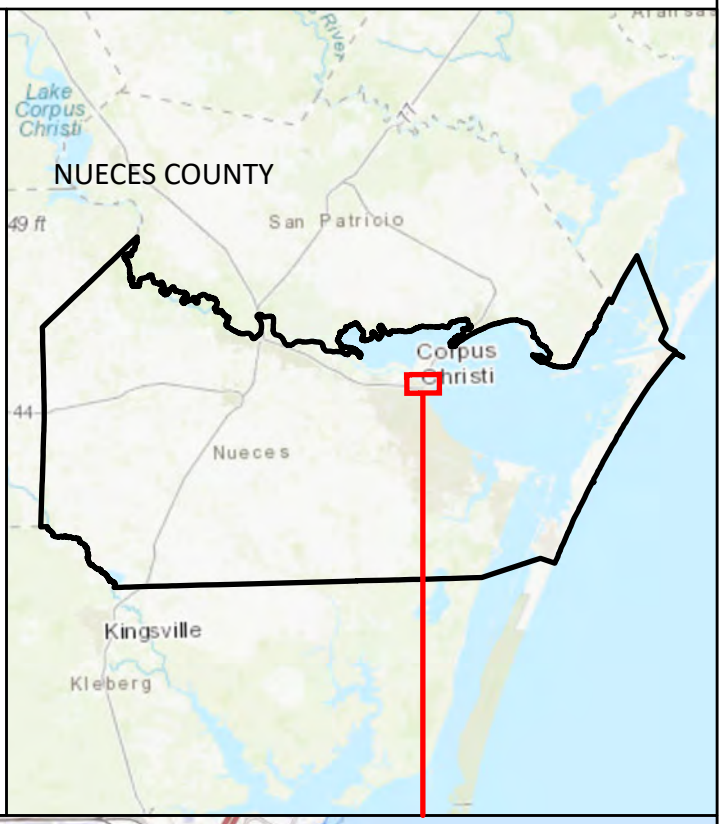
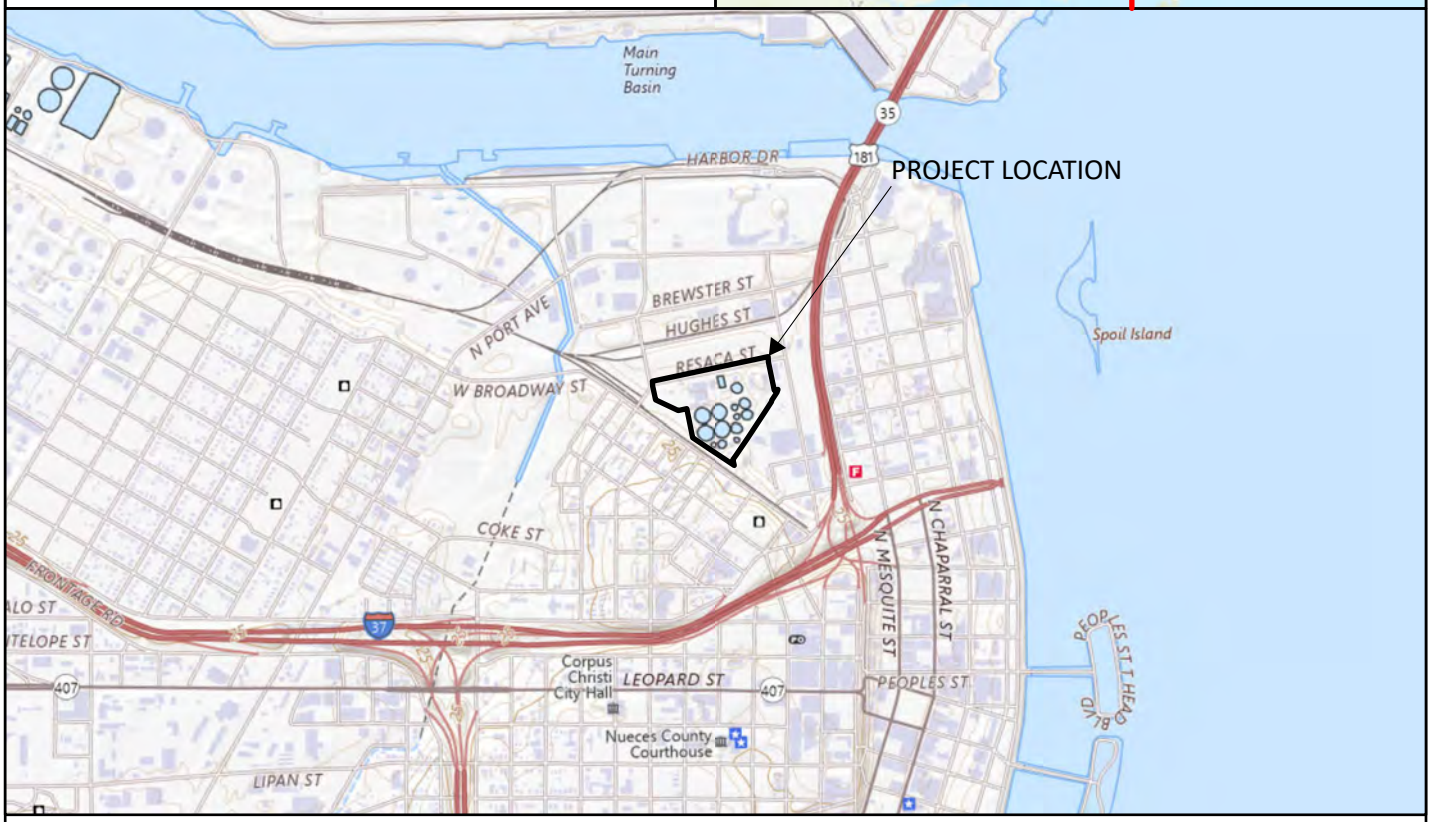
N







SPIF 1
CITY OF CORPUS CHRISTI
NEW BROADWAY WASTEWATER TREATMENT FACILITY
TPDES PERMIT RENEWAL APPLICATION
GENERAL LOCATION MAP

TEXAS REGISTERED ENGINEERING FIRM F-13
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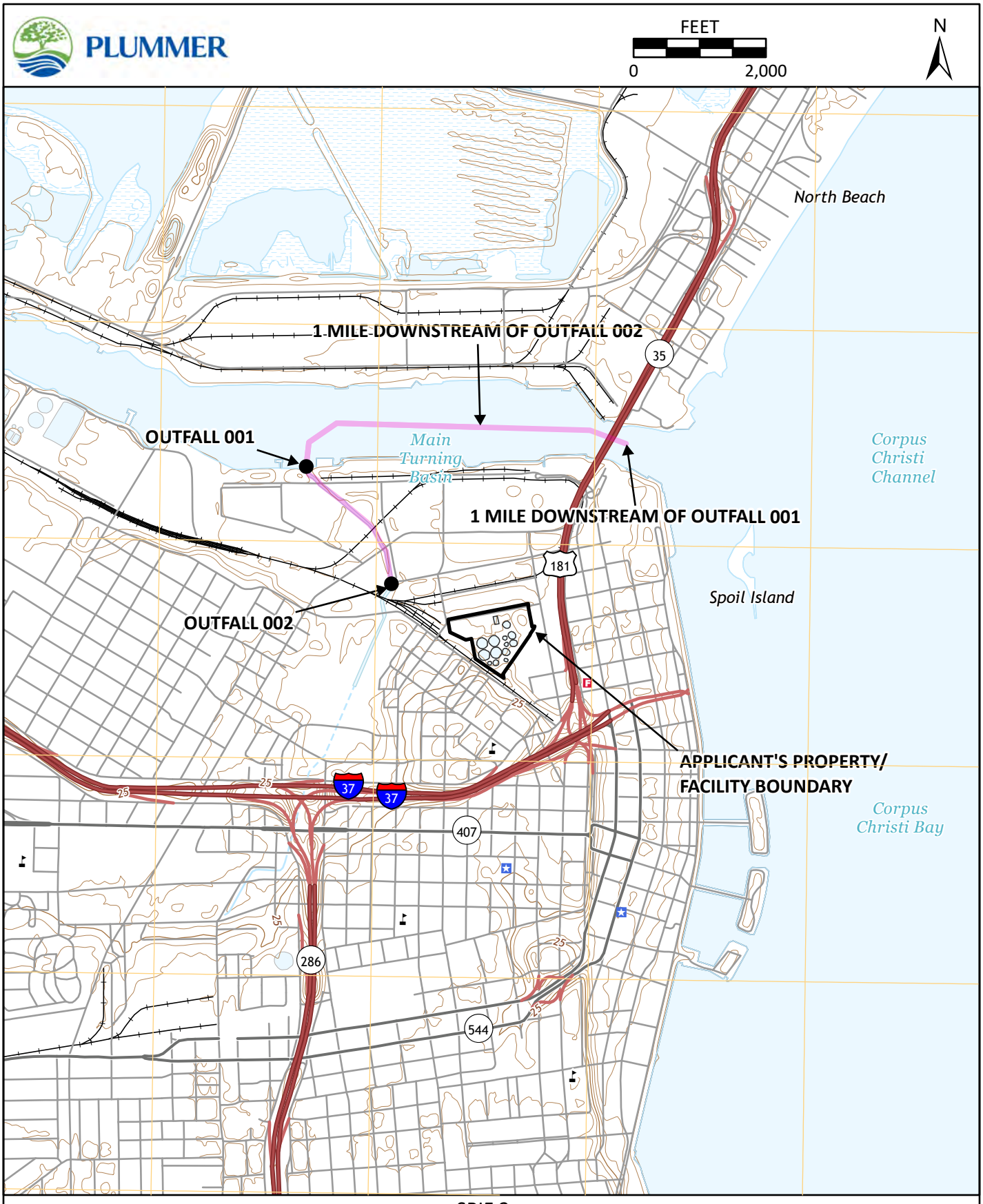

SPIF 2
CITY OF CORPUS CHRISTI
NEW BROADWAY WASTEWATER TREATMENT FACILITY
TPDES PERMIT RENEWAL APPLICATION
USGS MAP

TEXAS REGISTERED ENGINEERING FIRM F-13
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SPIF 3
CITY OF CORPUS CHRISTI
NEW BROADWAY WASTEWATER TREATMENT FACILITY
TPDES PERMIT RENEWAL APPLICATION
PHOTOGRAPHS OF STRUCTURES 50 YEARS OR OLDER

Photograph 1: Photograph of Decommissioned Trickling Filter No. 5

Photograph 2: Photograph of Decommissioned Trickling Filter No. 6

SPIF 3
CITY OF CORPUS CHRISTI
NEW BROADWAY WASTEWATER TREATMENT FACILITY
TPDES PERMIT RENEWAL APPLICATION
PHOTOGRAPHS OF STRUCTURES 50 YEARS OR OLDER

Photograph 3: Photograph of the Decommissioned Pump Building

Photograph 4: Photograph of the Decommissioned Stand-by Generator Building

SPIF 3
CITY OF CORPUS CHRISTI
NEW BROADWAY WASTEWATER TREATMENT FACILITY
TPDES PERMIT RENEWAL APPLICATION
PHOTOGRAPHS OF STRUCTURES 50 YEARS OR OLDER

Photograph 5: Photograph of the Decommissioned Main Pump House

Photograph 6: Photograph of the Laboratory

SPIF 3
CITY OF CORPUS CHRISTI
NEW BROADWAY WASTEWATER TREATMENT FACILITY
TPDES PERMIT RENEWAL APPLICATION
PHOTOGRAPHS OF STRUCTURES 50 YEARS OR OLDER

Photograph 7: Photograph of the Decommissioned Grit Removal and Decommissioned Return Flow Re-conditioner (RFR) Building

Photograph 8: Photograph of the Decommissioned Chlorine Contact Chamber

SPIF 3
CITY OF CORPUS CHRISTI
NEW BROADWAY WASTEWATER TREATMENT FACILITY
TPDES PERMIT RENEWAL APPLICATION
PHOTOGRAPHS OF STRUCTURES 50 YEARS OR OLDER

Photograph 9: Photograph of the Decommissioned Modified Distribution Box

Photograph 10: Photograph of the Decommissioned Digesters

SPIF 3
CITY OF CORPUS CHRISTI
NEW BROADWAY WASTEWATER TREATMENT FACILITY
TPDES PERMIT RENEWAL APPLICATION
PHOTOGRAPHS OF STRUCTURES 50 YEARS OR OLDER

Photograph 11: Photograph of Decommissioned Trickling Filter No. 1

Photograph 12: Photograph of Decommissioned Trickling Filter No. 2

SPIF 3
CITY OF CORPUS CHRISTI
NEW BROADWAY WASTEWATER TREATMENT FACILITY
TPDES PERMIT RENEWAL APPLICATION
PHOTOGRAPHS OF STRUCTURES 50 YEARS OR OLDER

Photograph 13: Photograph of Decommissioned Trickling Filter No. 3

Photograph 14: Photograph of Decommissioned Trickling Filter No. 4

SPIF 3
CITY OF CORPUS CHRISTI
NEW BROADWAY WASTEWATER TREATMENT FACILITY
TPDES PERMIT RENEWAL APPLICATION
PHOTOGRAPHS OF STRUCTURES 50 YEARS OR OLDER

Photograph 15: Photograph of Decommissioned Final Clarifier No. 1

Photograph 16: Photograph of Decommissioned Final Clarifier No. 2

SPIF 3
CITY OF CORPUS CHRISTI
NEW BROADWAY WASTEWATER TREATMENT FACILITY
TPDES PERMIT RENEWAL APPLICATION
PHOTOGRAPHS OF STRUCTURES 50 YEARS OR OLDER

Photograph 17: Photograph of Decommissioned Distilling Well

Photograph 18: Photograph of Decommissioned Pump Building

SPIF 3
CITY OF CORPUS CHRISTI
NEW BROADWAY WASTEWATER TREATMENT FACILITY
TPDES PERMIT RENEWAL APPLICATION
PHOTOGRAPHS OF STRUCTURES 50 YEARS OR OLDER

Photograph 19: Photograph of Decommissioned Intermediate Clarifier No. 1

Photograph 20: Photograph of Decommissioned Intermediate Clarifier No. 2

SPIF 3
CITY OF CORPUS CHRISTI
NEW BROADWAY WASTEWATER TREATMENT FACILITY
TPDES PERMIT RENEWAL APPLICATION
PHOTOGRAPHS OF STRUCTURES 50 YEARS OR OLDER

Photograph 21: Photograph of Decommissioned Belt Press Building

Photograph 22: Photograph of the Original Office Building

SPIF 3
CITY OF CORPUS CHRISTI
NEW BROADWAY WASTEWATER TREATMENT FACILITY
TPDES PERMIT RENEWAL APPLICATION
PHOTOGRAPHS OF STRUCTURES 50 YEARS OR OLDER

Photograph 23: Photograph of Decommissioned Primary Clarifier No. 2

Photograph 24: Photograph of Decommissioned Primary Clarifier No. 1

SPIF 3
CITY OF CORPUS CHRISTI
NEW BROADWAY WASTEWATER TREATMENT FACILITY
TPDES PERMIT RENEWAL APPLICATION
PHOTOGRAPHS OF STRUCTURES 50 YEARS OR OLDER

Photograph 25: Photograph of Decommissioned Blower Building

Photograph 26: Photograph of Decommissioned Pump House

ATTACHMENT E

Treatment Process Description
Tech Rpt Section 2.A

ATTACHMENT E
CITY OF CORPUS CHRISTI
NEW BROADWAY WASTEWATER TREATMENT FACILITY
TPDES PERMIT RENEWAL APPLICATION
TREATMENT PROCESS DESCRIPTION

The City of Corpus Christi New Broadway Wastewater Treatment Facility (WWTF) is an activated sludge plant currently operating in the Existing/Interim I Phase. The following provides a treatment process description for each of the four phases:

Existing/Interim I Phase (8.0 MGD Design Flow, 20 MGD Peak Flow)

Influent is pumped via a lift station through three bar screens, followed by two grit removal chambers. Grit and screenings are collected and hauled to the Cefe Valenzuela Landfill for disposal. The screened wastewater flows to four aeration basins for biological treatment and then to two final clarifiers for settling. After clarification, wastewater is disinfected using UV in the three existing UV chambers. The treated effluent may then pass through the post-treatment granular effluent filters prior to discharge via Outfall 001 and Outfall 002. Sodium hypochlorite may occasionally be used for algae control in the post-treatment filters. When chlorine is utilized for algae control, effluent is dechlorinated using sodium bisulfite.

The settled solids from the final clarifiers are either returned to the head of the aeration process as return activated sludge (RAS) or wasted to a two-stage aerated sludge basin as waste activated sludge (WAS). The aerated sludge basin consists of two cells that can be operated in parallel or in series. After sludge has been stabilized, it is thickened/dewatered by three centrifuges before being hauled off-site to the Cefe Valenzuela Landfill for disposal. Decanted liquid from the centrifuges is returned to the influent lift station for treatment.

Interim II Phase (8.0 MGD Design Flow, 30 MGD Peak Flow)

During the Interim II Phase, the facilities described under the Interim I Phase will continue to be used with two exceptions: a third final clarifier will be added to handle a two-hour peak flow of 30 MGD, and the post-treatment granular effluent filters and the use of sodium hypochlorite (chlorination) for algae control and sodium bisulfite (dechlorination) will be removed from the process.

Final Phase (8.0 MGD Design Flow, 40 MGD Peak Flow)

During the Final Phase, facilities described under the Interim II Phase will continue to be used with one exception: a fourth final clarifier will be added to accommodate a two-hour peak flow of 40 MGD.

ATTACHMENT F

List of Treatment Units
Tech Rpt Section 2.B

ATTACHMENT F
CITY OF CORPUS CHRISTI
NEW BROADWAY WASTEWATER TREATMENT FACILITY
TPDES PERMIT RENEWAL APPLICATION
LIST OF TREATMENT UNITS

The permittee is authorized to discharge treated effluent in four phases. The following is a list of treatment units for each phase:

Existing/Interim I Phase (8.0 MGD Design Flow, 20 MGD Peak Flow)

Treatment Unit Type	Number of Units	Dimensions (Length x Width x Depth')
Bar Screen	3	2 Units - 4' W x 5.5' SWD 1 Unit – 5.5' W x 5.5' SWD
Grit Chamber	2	12' diameter x 13' SWD
Aeration Basin	4	190' x 33.5' x 21' SWD
Final Clarifiers	2	100' diameter x 15.5' SWD
Aerated Sludge Basin	1 (2 cells)	130' L x 20' W x 23' SWD (per cell)
Centrifuge	3	198" x 62.2" x 68.6"
UV Disinfection Chamber	3	38.5' L x 6' W x 21' SWD, 38.5' L x 6.5' W x 21' SWD
Chlorination/Dechlorination/ Post-Treatment Granular Media Effluent Filters	2	114' L x 16' W x ~ 5' SWD

Interim II Phase (8.0 MGD Design Flow, 30 MGD Peak Flow)

Treatment Unit Type	Number of Units	Dimensions (Length x Width x Depth')
Bar Screen	3	2 Units - 4' W x 5.5' SWD 1 Unit – 5.5' W x 5.5' SWD
Grit Chamber	2	12' diameter x 13' SWD
Aeration Basin	4	190' x 33.5' x 21' SWD
Final Clarifiers	3	100' diameter x 15.5' SWD
Aerated Sludge Basin	1 (2 cells)	130' L x 20' W x 23' SWD (per cell)
Centrifuge	3	198" x 62.2" x 68.6"
UV Disinfection Chamber	3	38.5' L x 6' W x 21' SWD, 38.5' L x 6.5' W x 21' SWD

ATTACHMENT F
CITY OF CORPUS CHRISTI
NEW BROADWAY WASTEWATER TREATMENT FACILITY
TPDES PERMIT RENEWAL APPLICATION
LIST OF TREATMENT UNITS

Final Phase (8.0 MGD Design Flow, 40 MGD Peak Flow)

Treatment Unit Type	Number of Units	Dimensions (Length x Width x Depth')
Bar Screen	3	2 Units - 4' W x 5.5' SWD 1 Unit – 5.5' W x 5.5' SWD
Grit Chamber	2	12' diameter x 13' SWD
Aeration Basin	4	190' x 33.5' x 21' SWD
Final Clarifiers	4	100' diameter x 15.5' SWD
Aerated Sludge Basin	1 (2 cells)	130' L x 20' W x 23' SWD (per cell)
Centrifuge	3	198" x 62.2" x 68.6"
UV Disinfection Chamber	3	38.5' L x 6' W x 21' SWD, 38.5' L x 6.5' W x 21' SWD

ATTACHMENT G

Process Flow Diagram
Tech Rpt 1.0, Section 2.C

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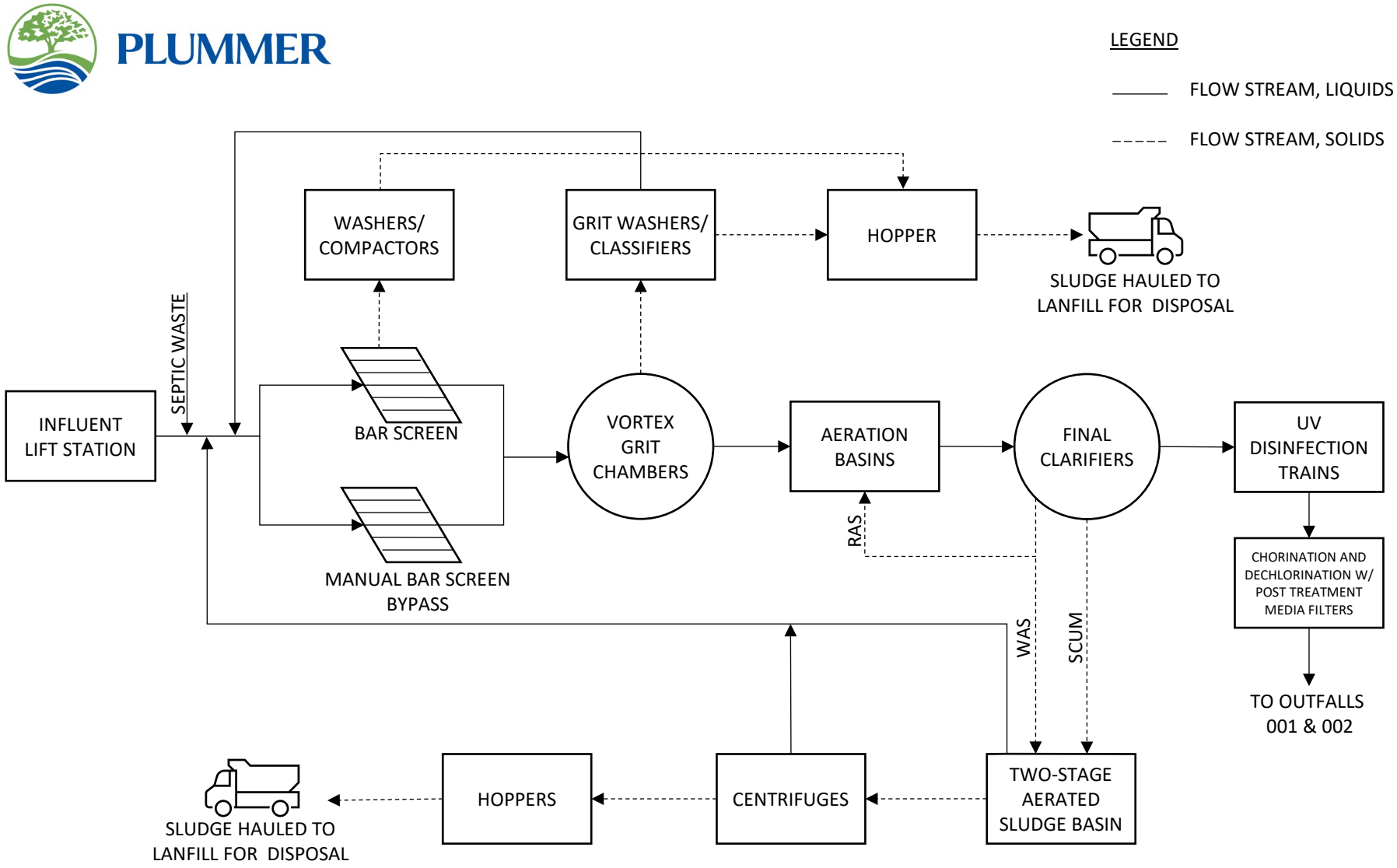

ATTACHMENT G.1
CITY OF CORPUS CHRISTI
NEW BROADWAY WASTEWATER TREATMENT FACILITY
TPDES PERMIT RENEWAL APPLICATION
PROCESS FLOW DIAGRAM – EXSTING/INTERIM I PHASE

TEXAS REGISTERED ENGINEERING FIRM F-13
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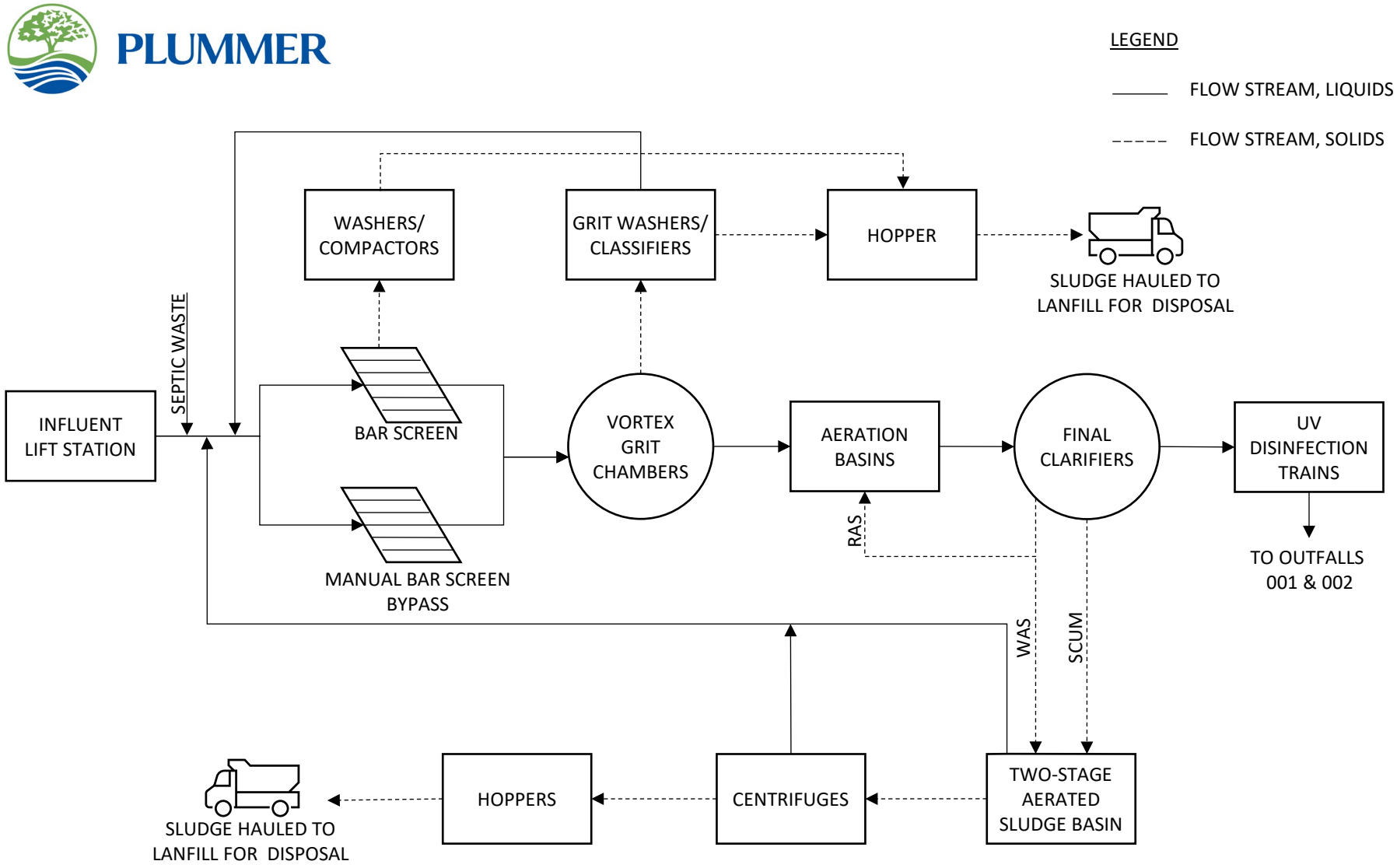

ATTACHMENT G.2
CITY OF CORPUS CHRISTI
NEW BROADWAY WASTEWATER TREATMENT FACILITY
TPDES PERMIT RENEWAL APPLICATION
PROCESS FLOW DIAGRAM – INTERIM II/FINAL PHASE

TEXAS REGISTERED ENGINEERING FIRM F-13
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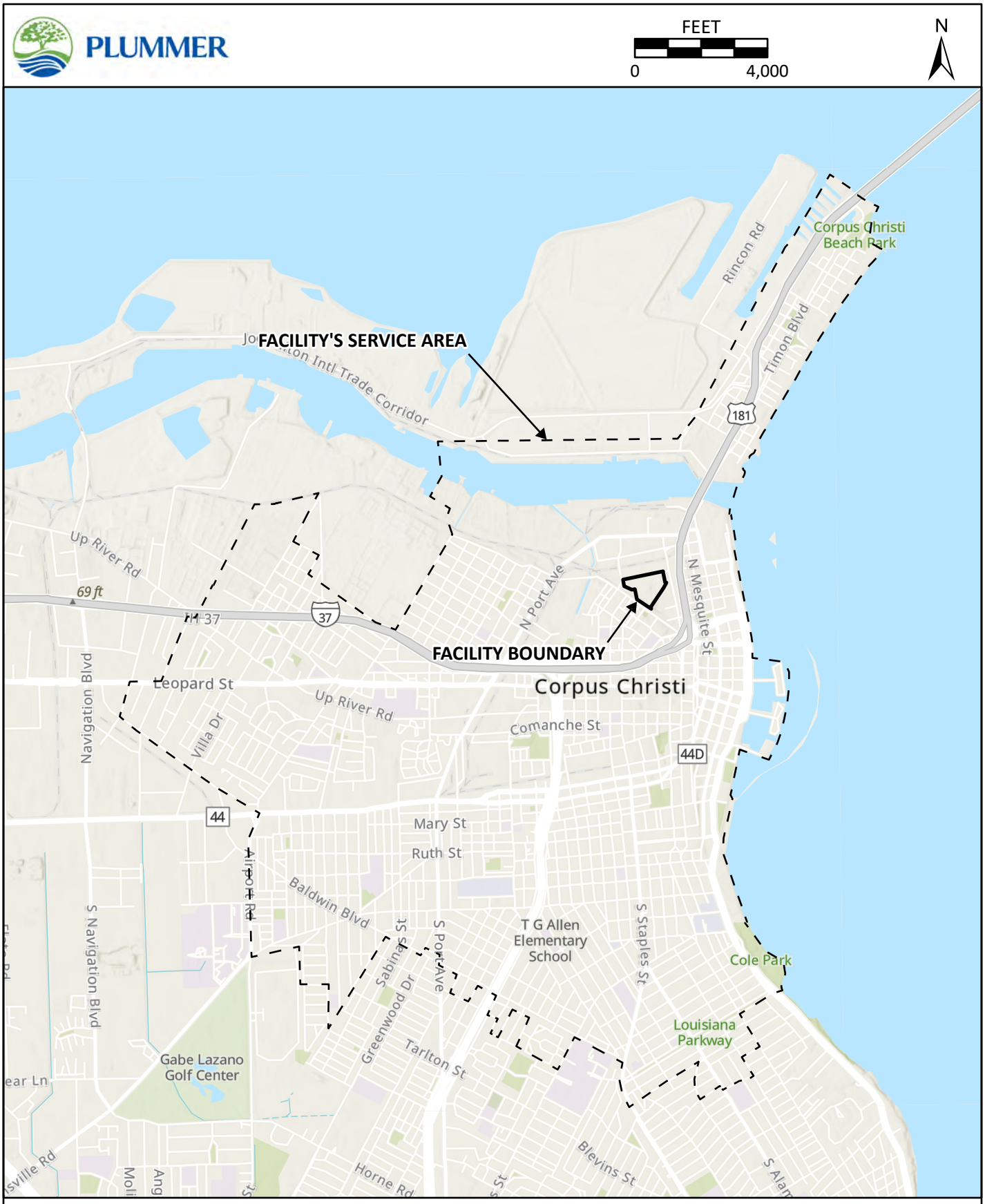
ATTACHMENT H

Site Drawing
Tech Rpt 1.0, Section 3



ATTACHMENT H
CITY OF CORPUS CHRISTI
NEW BROADWAY WASTEWATER TREATMENT FACILITY
TPDES PERMIT RENEWAL APPLICATION
SITE DRAWING

TEXAS REGISTERED ENGINEERING FIRM F-13
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ATTACHMENT I

Pollutant Analysis of Treated Effluent
Tech Rpt 1.0, Section 7;
Wks 4.0 Section 1 & 2

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11

ANALYTICAL REPORT

PREPARED FOR

Attn: Crystal Ybanez
Water Utilities Laboratory
13101 Leopard St.
Corpus Christi, Texas 78410

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JOB DESCRIPTION

Broadway Final, 10/24/24

JOB NUMBER

560-122009-1

Eurofins Corpus Christi
1733 N. Padre Island Drive
Corpus Christi TX 78408

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

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Authorized for release by
Lindy Maingot, Project Manager II
Lindy.Maingot@et.eurofinsus.com
(210)344-9751

Definitions/Glossary

Client: Water Utilities Laboratory
Project/Site: Broadway Final, 10/24/24

Job ID: 560-122009-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 560-122009-1 — Eurofins Corpus Christi

Job Narrative
560-122009-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The sample was received on 10/24/2024 8:00 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.5°C.

GC/MS VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
Method Kelada_01: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-196620 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Water Utilities Laboratory
Project/Site: Broadway Final, 10/24/24

Job ID: 560-122009-1

Client Sample ID: Broadway Final

Lab Sample ID: 560-122009-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyanide, Total	0.0020	J F1	0.0050	0.0020	mg/L	1		Kelada 01	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: Broadway Final
Lab Sample ID: 560-122009-1
Date Collected: 10/24/24 06:00
Matrix: Water
Date Received: 10/24/24 08:00

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	<11		50	11	ug/L			10/25/24 16:17	1
Acrylonitrile	<14		50	14	ug/L			10/25/24 16:17	1
Benzene	<0.46		1.0	0.46	ug/L			10/25/24 16:17	1
Bromodichloromethane	<0.55		1.0	0.55	ug/L			10/25/24 16:17	1
Bromoform	<0.63		5.0	0.63	ug/L			10/25/24 16:17	1
Bromomethane	<1.4		5.0	1.4	ug/L			10/25/24 16:17	1
2-Butanone (MEK)	<8.3		50	8.3	ug/L			10/25/24 16:17	1
Carbon tetrachloride	<0.90		5.0	0.90	ug/L			10/25/24 16:17	1
Chlorobenzene	<0.46		1.0	0.46	ug/L			10/25/24 16:17	1
Chloroethane	<2.0		10	2.0	ug/L			10/25/24 16:17	1
2-Chloroethyl vinyl ether	<0.75		5.0	0.75	ug/L			10/25/24 16:17	1
Chloroform	<0.46		1.0	0.46	ug/L			10/25/24 16:17	1
Chloromethane	<2.0		10	2.0	ug/L			10/25/24 16:17	1
cis-1,3-Dichloropropene	<0.0011		0.0050	0.0011	mg/L			10/25/24 16:17	1
Dibromochloromethane	<0.55		5.0	0.55	ug/L			10/25/24 16:17	1
1,2-Dibromoethane	<1.0		5.0	1.0	ug/L			10/25/24 16:17	1
1,2-Dichlorobenzene	<0.43		1.0	0.43	ug/L			10/25/24 16:17	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			10/25/24 16:17	1
1,4-Dichlorobenzene	<0.45		1.0	0.45	ug/L			10/25/24 16:17	1
1,1-Dichloroethane	<0.64		1.0	0.64	ug/L			10/25/24 16:17	1
1,2-Dichloroethane	<0.37		1.0	0.37	ug/L			10/25/24 16:17	1
1,1-Dichloroethylene	<0.74		1.0	0.74	ug/L			10/25/24 16:17	1
1,2-Dichloropropane	<0.56		5.0	0.56	ug/L			10/25/24 16:17	1
1,3-Dichloropropene, Total	<1.3		5.0	1.3	ug/L			10/25/24 16:17	1
Ethylbenzene	<0.39		1.0	0.39	ug/L			10/25/24 16:17	1
Hexachlorobutadiene	<0.63		5.0	0.63	ug/L			10/25/24 16:17	1
Methylene Chloride	<1.7		5.0	1.7	ug/L			10/25/24 16:17	1
MTBE	<0.0014		0.0050	0.0014	mg/L			10/25/24 16:17	1
Naphthalene	<1.4		10	1.4	ug/L			10/25/24 16:17	1
1,1,2,2-Tetrachloroethane	<0.47		1.0	0.47	ug/L			10/25/24 16:17	1
Tetrachloroethene	<0.66		1.0	0.66	ug/L			10/25/24 16:17	1
Toluene	<0.48		1.0	0.48	ug/L			10/25/24 16:17	1
1,2-trans-Dichloroethylene	<0.37		1.0	0.37	ug/L			10/25/24 16:17	1
trans-1,3-Dichloropropene	<0.0013		0.0050	0.0013	mg/L			10/25/24 16:17	1
1,1,1-Trichloroethane	<0.59		5.0	0.59	ug/L			10/25/24 16:17	1
1,1,2-Trichloroethane	<0.41		1.0	0.41	ug/L			10/25/24 16:17	1
Trichloroethene	<1.5		5.0	1.5	ug/L			10/25/24 16:17	1
Vinyl chloride	<0.43		2.0	0.43	ug/L			10/25/24 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*74 - 124*		*10/25/24 16:17*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 131*		*10/25/24 16:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*63 - 144*		*10/25/24 16:17*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/25/24 16:17*	*1*

Method: EPA-01 632 - Carbamate and Urea Pesticides (HPLC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbaryl	<1.9		5.0	1.9	ug/L		10/26/24 04:53	10/30/24 22:44	1
Diuron	<0.051		0.090	0.051	ug/L		10/26/24 04:53	10/30/24 22:44	1

Client: Water Utilities Laboratory
Job ID: 560-122009-1
Project/Site: Broadway Final, 10/24/24

Client Sample ID: Broadway Final
Lab Sample ID: 560-122009-1
Date Collected: 10/24/24 06:00
Matrix: Water
Date Received: 10/24/24 08:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (EPA Kelada 01)	0.0020	J F1	0.0050	0.0020	mg/L			10/29/24 14:06	1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 860-195820/10
Matrix: Water
Analysis Batch: 195820

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	<11		50	11	ug/L			10/25/24 12:03	1
Acrylonitrile	<14		50	14	ug/L			10/25/24 12:03	1
Benzene	<0.46		1.0	0.46	ug/L			10/25/24 12:03	1
Bromodichloromethane	<0.55		1.0	0.55	ug/L			10/25/24 12:03	1
Bromoform	<0.63		5.0	0.63	ug/L			10/25/24 12:03	1
Bromomethane	<1.4		5.0	1.4	ug/L			10/25/24 12:03	1
2-Butanone (MEK)	<8.3		50	8.3	ug/L			10/25/24 12:03	1
Carbon tetrachloride	<0.90		5.0	0.90	ug/L			10/25/24 12:03	1
Chlorobenzene	<0.46		1.0	0.46	ug/L			10/25/24 12:03	1
Chloroethane	<2.0		10	2.0	ug/L			10/25/24 12:03	1
2-Chloroethyl vinyl ether	<0.75		5.0	0.75	ug/L			10/25/24 12:03	1
Chloroform	<0.46		1.0	0.46	ug/L			10/25/24 12:03	1
Chloromethane	<2.0		10	2.0	ug/L			10/25/24 12:03	1
cis-1,3-Dichloropropene	<0.0011		0.0050	0.0011	mg/L			10/25/24 12:03	1
Dibromochloromethane	<0.55		5.0	0.55	ug/L			10/25/24 12:03	1
1,2-Dibromoethane	<1.0		5.0	1.0	ug/L			10/25/24 12:03	1
1,2-Dichlorobenzene	<0.43		1.0	0.43	ug/L			10/25/24 12:03	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			10/25/24 12:03	1
1,4-Dichlorobenzene	<0.45		1.0	0.45	ug/L			10/25/24 12:03	1
1,1-Dichloroethane	<0.64		1.0	0.64	ug/L			10/25/24 12:03	1
1,2-Dichloroethane	<0.37		1.0	0.37	ug/L			10/25/24 12:03	1
1,1-Dichloroethylene	<0.74		1.0	0.74	ug/L			10/25/24 12:03	1
1,2-Dichloropropane	<0.56		5.0	0.56	ug/L			10/25/24 12:03	1
1,3-Dichloropropene, Total	<1.3		5.0	1.3	ug/L			10/25/24 12:03	1
Ethylbenzene	<0.39		1.0	0.39	ug/L			10/25/24 12:03	1
Hexachlorobutadiene	<0.63		5.0	0.63	ug/L			10/25/24 12:03	1
Methylene Chloride	<1.7		5.0	1.7	ug/L			10/25/24 12:03	1
MTBE	<0.0014		0.0050	0.0014	mg/L			10/25/24 12:03	1
Naphthalene	<1.4		10	1.4	ug/L			10/25/24 12:03	1
1,1,2,2-Tetrachloroethane	<0.47		1.0	0.47	ug/L			10/25/24 12:03	1
Tetrachloroethene	<0.66		1.0	0.66	ug/L			10/25/24 12:03	1
Toluene	<0.48		1.0	0.48	ug/L			10/25/24 12:03	1
1,2-trans-Dichloroethylene	<0.37		1.0	0.37	ug/L			10/25/24 12:03	1
trans-1,3-Dichloropropene	<0.0013		0.0050	0.0013	mg/L			10/25/24 12:03	1
1,1,1-Trichloroethane	<0.59		5.0	0.59	ug/L			10/25/24 12:03	1
1,1,2-Trichloroethane	<0.41		1.0	0.41	ug/L			10/25/24 12:03	1
Trichloroethene	<1.5		5.0	1.5	ug/L			10/25/24 12:03	1
Vinyl chloride	<0.43		2.0	0.43	ug/L			10/25/24 12:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*74 - 124*		*10/25/24 12:03*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 131*		*10/25/24 12:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 144*		*10/25/24 12:03*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/25/24 12:03*	*1*

Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 860-195820/3
Matrix: Water
Analysis Batch: 195820

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acrolein	250	258		ug/L		103	60 - 140
Acrylonitrile	500	472		ug/L		94	60 - 140
Benzene	50.0	48.0		ug/L		96	75 - 125
Bromodichloromethane	50.0	49.9		ug/L		100	75 - 125
Bromoform	50.0	49.8		ug/L		100	70 - 130
Bromomethane	50.0	43.9		ug/L		88	60 - 140
2-Butanone (MEK)	250	261		ug/L		104	60 - 140
Carbon tetrachloride	50.0	50.5		ug/L		101	70 - 125
Chlorobenzene	50.0	48.1		ug/L		96	82 - 135
Chloroethane	50.0	45.4		ug/L		91	60 - 140
2-Chloroethyl vinyl ether	50.0	50.6		ug/L		101	50 - 150
Chloroform	50.0	51.4		ug/L		103	70 - 121
Chloromethane	50.0	47.6		ug/L		95	60 - 140
cis-1,3-Dichloropropene	0.0500	0.0514		mg/L		103	74 - 125
Dibromochloromethane	50.0	49.8		ug/L		100	73 - 125
1,2-Dibromoethane	50.0	49.6		ug/L		99	73 - 125
1,2-Dichlorobenzene	50.0	49.1		ug/L		98	75 - 125
1,3-Dichlorobenzene	50.0	49.9		ug/L		100	75 - 125
1,4-Dichlorobenzene	50.0	49.8		ug/L		100	75 - 125
1,1-Dichloroethane	50.0	49.1		ug/L		98	71 - 130
1,2-Dichloroethane	50.0	48.4		ug/L		97	72 - 130
1,1-Dichloroethylene	50.0	48.0		ug/L		96	50 - 150
1,2-Dichloropropane	50.0	50.8		ug/L		102	74 - 125
Ethylbenzene	50.0	50.5		ug/L		101	75 - 125
Hexachlorobutadiene	50.0	49.0		ug/L		98	75 - 125
Methylene Chloride	50.0	46.6		ug/L		93	71 - 125
MTBE	0.0500	0.0465		mg/L		93	65 - 135
Naphthalene	50.0	44.4		ug/L		89	70 - 130
1,1,2,2-Tetrachloroethane	50.0	45.7		ug/L		91	74 - 125
Tetrachloroethene	50.0	51.9		ug/L		104	71 - 125
Toluene	50.0	50.3		ug/L		101	75 - 130
1,2-trans-Dichloroethylene	50.0	43.0		ug/L		86	75 - 125
trans-1,3-Dichloropropene	0.0500	0.0522		mg/L		104	66 - 125
1,1,1-Trichloroethane	50.0	49.3		ug/L		99	70 - 130
1,1,2-Trichloroethane	50.0	49.6		ug/L		99	75 - 130
Trichloroethene	50.0	49.3		ug/L		99	75 - 135
Vinyl chloride	50.0	44.4		ug/L		89	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*74 - 124*
Dibromofluoromethane (Surr)	*101*		*75 - 131*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 144*
Toluene-d8 (Surr)	*102*		*80 - 120*

Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 860-195820/4
Matrix: Water
Analysis Batch: 195820

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acrolein			250	210		ug/L		84	60 - 140	20	25
Acrylonitrile			500	447		ug/L		89	60 - 140	5	25
Benzene			50.0	48.8		ug/L		98	75 - 125	2	25
Bromodichloromethane			50.0	51.1		ug/L		102	75 - 125	2	25
Bromoform			50.0	51.0		ug/L		102	70 - 130	2	25
Bromomethane			50.0	45.1		ug/L		90	60 - 140	3	25
2-Butanone (MEK)			250	250		ug/L		100	60 - 140	4	25
Carbon tetrachloride			50.0	48.4		ug/L		97	70 - 125	4	25
Chlorobenzene			50.0	50.1		ug/L		100	82 - 135	4	25
Chloroethane			50.0	50.6		ug/L		101	60 - 140	11	25
2-Chloroethyl vinyl ether			50.0	52.9		ug/L		106	50 - 150	4	25
Chloroform			50.0	50.4		ug/L		101	70 - 121	2	25
Chloromethane			50.0	48.9		ug/L		98	60 - 140	3	25
cis-1,3-Dichloropropene			0.0500	0.0528		mg/L		106	74 - 125	3	25
Dibromochloromethane			50.0	50.0		ug/L		100	73 - 125	0	25
1,2-Dibromoethane			50.0	50.2		ug/L		100	73 - 125	1	25
1,2-Dichlorobenzene			50.0	52.1		ug/L		104	75 - 125	6	25
1,3-Dichlorobenzene			50.0	55.0		ug/L		110	75 - 125	10	25
1,4-Dichlorobenzene			50.0	52.4		ug/L		105	75 - 125	5	25
1,1-Dichloroethane			50.0	53.9		ug/L		108	71 - 130	9	25
1,2-Dichloroethane			50.0	49.9		ug/L		100	72 - 130	3	25
1,1-Dichloroethylene			50.0	41.3		ug/L		83	50 - 150	15	25
1,2-Dichloropropane			50.0	52.0		ug/L		104	74 - 125	2	25
Ethylbenzene			50.0	51.9		ug/L		104	75 - 125	3	25
Hexachlorobutadiene			50.0	55.4		ug/L		111	75 - 125	12	25
Methylene Chloride			50.0	43.5		ug/L		87	71 - 125	7	25
MTBE			0.0500	0.0449		mg/L		90	65 - 135	4	25
Naphthalene			50.0	47.1		ug/L		94	70 - 130	6	25
1,1,2,2-Tetrachloroethane			50.0	48.1		ug/L		96	74 - 125	5	25
Tetrachloroethene			50.0	52.7		ug/L		105	71 - 125	2	25
Toluene			50.0	51.3		ug/L		103	75 - 130	2	25
1,2-trans-Dichloroethylene			50.0	42.8		ug/L		86	75 - 125	1	25
trans-1,3-Dichloropropene			0.0500	0.0539		mg/L		108	66 - 125	3	25
1,1,1-Trichloroethane			50.0	49.4		ug/L		99	70 - 130	0	25
1,1,2-Trichloroethane			50.0	50.4		ug/L		101	75 - 130	2	25
Trichloroethene			50.0	48.6		ug/L		97	75 - 135	2	25
Vinyl chloride			50.0	46.3		ug/L		93	60 - 140	4	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*74 - 124*
Dibromofluoromethane (Surr)	*97*		*75 - 131*
1,2-Dichloroethane-d4 (Surr)	*98*		*63 - 144*
Toluene-d8 (Surr)	*101*		*80 - 120*

Method: 632 - Carbamate and Urea Pesticides (HPLC)

Lab Sample ID: MB 860-196067/1-A
Matrix: Water
Analysis Batch: 197074

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 196067

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbaryl	<1.9		5.0	1.9	ug/L		10/26/24 04:53	10/30/24 20:00	1
Diuron	<0.051		0.090	0.051	ug/L		10/26/24 04:53	10/30/24 20:00	1

Lab Sample ID: LCS 860-196067/2-A
Matrix: Water
Analysis Batch: 197074

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 196067

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbaryl	100	110		ug/L		110	70 - 130
Diuron	2.00	2.26		ug/L		113	70 - 130

Lab Sample ID: LCSD 860-196067/3-A
Matrix: Water
Analysis Batch: 197074

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 196067

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbaryl	100	96.8		ug/L		97	70 - 130	13	20
Diuron	2.00	2.00		ug/L		100	70 - 130	12	20

Method: Kelada 01 - Cyanide, Total, Acid Dissociable and Thiocyanate

Lab Sample ID: MB 860-196620/24
Matrix: Water
Analysis Batch: 196620

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0020		0.0050	0.0020	mg/L			10/29/24 13:10	1

Lab Sample ID: LCS 860-196620/26
Matrix: Water
Analysis Batch: 196620

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.100	0.109		mg/L		109	90 - 110

Lab Sample ID: LCSD 860-196620/27
Matrix: Water
Analysis Batch: 196620

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	0.100	0.108		mg/L		108	90 - 110	1	20

Lab Sample ID: LLCS 860-196620/25
Matrix: Water
Analysis Batch: 196620

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.00500	0.00412	J	mg/L		82	50 - 150

Method: Kelada 01 - Cyanide, Total, Acid Dissociable and Thiocyanate (Continued)

Lab Sample ID: 560-122009-1 MS
Matrix: Water
Analysis Batch: 196620

Client Sample ID: Broadway Final
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total	0.0020	J F1	0.100	0.127	F1	mg/L		125	90 - 110		

Lab Sample ID: 560-122009-1 MSD
Matrix: Water
Analysis Batch: 196620

Client Sample ID: Broadway Final
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	0.0020	J F1	0.100	0.123	F1	mg/L		121	90 - 110	3	20

Accreditation/Certification Summary

Client: Water Utilities Laboratory
Project/Site: Broadway Final, 10/24/24

Job ID: 560-122009-1

Laboratory: Eurofins Houston

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00759	08-03-25
Florida	NELAP	E871002	06-30-25
Louisiana (All)	NELAP	03054	06-30-25
Oklahoma	NELAP	1306	08-31-25
Texas	NELAP	T104704215	06-30-25
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26

Method Summary

Client: Water Utilities Laboratory
Project/Site: Broadway Final, 10/24/24

Job ID: 560-122009-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	EPA	EET HOU
632	Carbamate and Urea Pesticides (HPLC)	EPA-01	EET HOU
Kelada 01	Cyanide, Total, Acid Dissociable and Thiocyanate	EPA	EET HOU
CWA_Prep	Liquid-Liquid Extraction (Separatory Funnel)	EPA	EET HOU

Protocol References:

EPA = US Environmental Protection Agency

EPA-01 = "Methods For The Determination Of Nonconventional Pesticides In Municipal And Industrial Wastewater", EPA/821/R/92/002, April 1992.

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Sample Summary

Client: Water Utilities Laboratory
Project/Site: Broadway Final, 10/24/24

Job ID: 560-122009-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
560-122009-1	Broadway Final	Water	10/24/24 06:00	10/24/24 08:00

Eurofins Corpus Christi
1733 N. Padre Island Drive
Corpus Christi, TX 78408
Phone (361) 289-2471 Phone (361) 289-2673

Chain of Custody Record

560-122009 Chain of Custody

eurofins | Environment Testing

Client Information	Sampler	Lab PM: Maingot, Lindy	COC No: 560-50360-8807.2
Client Contact: Crystal Ybanez	Phone:	E-Mail: Lindy.Maingot@et.eurofinsus.com	Page: Page 2 of 2
Company: Water Utilities Laboratory	PWSID:	Analysis Requested	Job #: 122009
Address: 13101 Leopard St.	Due Date Requested:		Preservation Codes: N None; B NaOH; HB AscbAcd&NaOH; A HCL
City: Corpus Christi	TAT Requested (days):		
State, Zip: TX, 78410	Compliance Project: Δ Yes Δ No		
Phone:	PO #: Pretreatment		
Email: CrystalY@cctexas.com	WO #:		
Project Name: Broadway Final	Project #: 56009919		
Site: PRETREATMENT	SSOW#:		Other: 4500 CN I CYANIDE WEAK ACID-BOTTLES ON ORDER

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	632 (MOD) 632 Pesticides C.1 and 2 List (Hou	624.1 (MOD) 624.1 Volatiles C.1 and 2 Volatil	Kelada_01 Total Cyanide	4500_CN_I 4500_CN_I Cyanide, Weak Acid Dissociabl	Total Number of Containers	Special Instructions/Note:
			Preservation Code:			N	N	B	HB		
Broadway Final	24OCT24	0800	G	Water		X	X	X			PH-7.4
~~Broadway Final Field Blank~~				~~Water~~							

Loc 560
122009

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I II, III IV Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
ALFREDO MACIAS GAMEZ	24 OCT 24/0800	CITY OF CC, TX		10/24/24 0800	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 4.3/4.5 CP IR-4

Ver: 05/06/2024

Login Sample Receipt Checklist

Client: Water Utilities Laboratory

Job Number: 560-122009-1

Login Number: 122009

List Source: Eurofins Corpus Christi

List Number: 1

Creator: Stacy, Taylor

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.

Login Sample Receipt Checklist

Client: Water Utilities Laboratory

Job Number: 560-122009-1

Login Number: 122009
List Number: 2
Creator: Torrez, Lisandra

List Source: Eurofins Houston
List Creation: 10/25/24 08:57 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Crystal Ybanez
Water Utilities Laboratory
13101 Leopard St.
Corpus Christi, Texas 78410

Generated 11/5/2024 7:43:55 AM

JOB DESCRIPTION

Broadway Final, 10/24/24

JOB NUMBER

560-122010-1

Eurofins Corpus Christi
1733 N. Padre Island Drive
Corpus Christi TX 78408

See page two for job notes and contact information.

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

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11/5/2024 7:43:55 AM

Authorized for release by
Lindy Maingot, Project Manager II
Lindy.Maingot@et.eurofinsus.com
(210)344-9751

Definitions/Glossary

Client: Water Utilities Laboratory
Project/Site: Broadway Final, 10/24/24

Job ID: 560-122010-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 560-122010-1 — Eurofins Corpus Christi

Job Narrative
560-122010-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 10/24/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.5°C.

Subcontract Work
Methods 614 Parathion and Malathion (Ana Lab), 622 Guthion, Chlorpyrifos, Demeton, Diazinon (Ana Lab), 632 Danitol (Ana Lab): These methods were subcontracted to Ana-Lab Corporation. The subcontract laboratory certifications are different from that of the facility issuing the final report. The subcontract report is appended in its entirety.

GC/MS Semi VOA
Method 625.1: The laboratory control sample and the laboratory control sample duplicate (LCS/LCSD) for preparation batch 860-196066 and analytical batch 860-196220 recovered outside control limits for the following analyte(s): Benzidine. Benzidine has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. Batch precision also exceeded control limits for these analyte(s). These results have been reported and qualified.

Method 625.1: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 860-196066 and analytical batch 860-196220 recovered outside control limits for the following analytes: multiple analytes. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 625.1: The laboratory control sample and laboratory control sample duplicated (LCS/LCSD) for preparation batch 860-196066 and analytical batch 860-196220 recovered outside acceptance limits for Di-n-butyl phthalate. There was insufficient sample to perform a re-extraction or re-analysis; therefore, the data have been reported.

Method 625.1: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: Broadway Final (560-122010-1). These results have been reported and qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Pesticides
Method 608.3_Pest: The DCB Decachlorobiphenyl (Surr) surrogate recovery for the following samples was outside acceptance limits (high biased) on the primary column due to matrix interference: Broadway Final (560-122010-1). The recovery is within acceptance limits on the other column, indicating that the extraction process was in control.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
Method 300_ORGFM_28D: The following sample was diluted due to the high concentration of non-target chloride analytes: Broadway Final (560-122010-1). Elevated reporting limits (RLs) are provided. Note: High chloride concentration.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 200.8 - Total Recoverable: The method blank for preparation batch 860-196107 and analytical batch 860-196364 contained Zinc above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 200.8 - Total Recoverable: The following sample was diluted due to the nature of the sample matrix: Broadway Final (560-122010-3). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Water Utilities Laboratory
Project/Site: Broadway Final, 10/24/24

Job ID: 560-122010-1

Client Sample ID: Broadway Final — Lab Sample ID: 560-122010-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	5.1	*+	5.0	0.25	ug/L	1		625.1	Total/NA
Endosulfan sulfate	0.0045	J	0.010	0.0011	ug/L	1		608.3	Total/NA
2,4-D	0.47		0.20	0.054	ug/L	1		615	Total/NA
Mercury	0.00092		0.00050	0.00014	ug/L	1		1631E	Total/NA
Nitrate Nitrite as N	180		100	50	ug/L	1		353.2	Total/NA

Client Sample ID: Broadway Final Field Blank — Lab Sample ID: 560-122010-2

No Detections.

Client Sample ID: Broadway Final — Lab Sample ID: 560-122010-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	19	J	20	3.0	ug/L	1		200.8	Total Recoverable
Arsenic	8.1	J	20	4.6	ug/L	5		200.8	Total Recoverable
Barium	94		20	4.8	ug/L	5		200.8	Total Recoverable
Copper	28		20	3.5	ug/L	5		200.8	Total Recoverable
Molybdenum	4.0	J	10	2.5	ug/L	5		200.8	Total Recoverable
Nickel	8.5	J	10	2.4	ug/L	5		200.8	Total Recoverable
Selenium	28		10	3.4	ug/L	5		200.8	Total Recoverable
Zinc	28	B	20	4.4	ug/L	5		200.8	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client: Water Utilities Laboratory
Project/Site: Broadway Final, 10/24/24

Job ID: 560-122010-1

Client Sample ID: Broadway Final
Date Collected: 10/24/24 06:00
Date Received: 10/24/24 08:00

Lab Sample ID: 560-122010-1
Matrix: Water

Method: EPA 625.1 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<1.4		5.7	1.4	ug/L		10/26/24 04:48	10/28/24 19:33	1
1,2,4-Trichlorobenzene	<0.0016		0.0050	0.0016	mg/L		10/26/24 04:48	10/28/24 19:33	1
Acenaphthylene	<1.4	*+	10	1.4	ug/L		10/26/24 04:48	10/28/24 19:33	1
Anthracene	<1.5	*+	5.7	1.5	ug/L		10/26/24 04:48	10/28/24 19:33	1
Benzidine	<20	*-	20	20	ug/L		10/26/24 04:48	10/28/24 19:33	1
Benzo[a]anthracene	<0.17		5.0	0.17	ug/L		10/26/24 04:48	10/28/24 19:33	1
Benzo[a]pyrene	<0.36		5.0	0.36	ug/L		10/26/24 04:48	10/28/24 19:33	1
3,4-Benzofluoranthene	<2.0		10	2.0	ug/L		10/26/24 04:48	10/28/24 19:33	1
Benzo[g,h,i]perylene	<2.7		10	2.7	ug/L		10/26/24 04:48	10/28/24 19:33	1
Benzo[k]fluoranthene	<5.0		5.0	5.0	ug/L		10/26/24 04:48	10/28/24 19:33	1
Bis(2-chloroethoxy)methane	<1.8		10	1.8	ug/L		10/26/24 04:48	10/28/24 19:33	1
Bis(2-chloroethyl)ether	<2.2	*+	10	2.2	ug/L		10/26/24 04:48	10/28/24 19:33	1
Bis(2-ethylhexyl) phthalate	<0.28		5.0	0.28	ug/L		10/26/24 04:48	10/28/24 19:33	1
4-Bromophenyl phenyl ether	<0.00026	*+	0.0050	0.00026	mg/L		10/26/24 04:48	10/28/24 19:33	1
Butyl benzyl phthalate	<0.34		5.0	0.34	ug/L		10/26/24 04:48	10/28/24 19:33	1
2-Chloronaphthalene	<0.46	*+	5.0	0.46	ug/L		10/26/24 04:48	10/28/24 19:33	1
2-Chlorophenol	<0.65		5.0	0.65	ug/L		10/26/24 04:48	10/28/24 19:33	1
4-Chlorophenyl phenyl ether	<1.3		10	1.3	ug/L		10/26/24 04:48	10/28/24 19:33	1
Chrysene	<0.22		5.0	0.22	ug/L		10/26/24 04:48	10/28/24 19:33	1
Cresol, o-	<1.6		10	1.6	ug/L		10/26/24 04:48	10/28/24 19:33	1
Dibenzo(a),h)anthracene	<0.25		5.0	0.25	ug/L		10/26/24 04:48	10/28/24 19:33	1
3,3'-Dichlorobenzidine	<0.34		5.0	0.34	ug/L		10/26/24 04:48	10/28/24 19:33	1
2,4-Dichlorophenol	<0.31		5.0	0.31	ug/L		10/26/24 04:48	10/28/24 19:33	1
Diethyl phthalate	<1.6	*+	5.0	1.6	ug/L		10/26/24 04:48	10/28/24 19:33	1
2,4-Dimethylphenol	<0.65	*+	5.0	0.65	ug/L		10/26/24 04:48	10/28/24 19:33	1
Dimethyl phthalate	<2.5	*+	2.5	2.5	ug/L		10/26/24 04:48	10/28/24 19:33	1
Di-n-butyl phthalate	**5.1**	*+	5.0	0.25	ug/L		10/26/24 04:48	10/28/24 19:33	1
4,6-Dinitro-2-methylphenol	<1.4		10	1.4	ug/L		10/26/24 04:48	10/28/24 19:33	1
2,4-Dinitrophenol	<1.6		10	1.6	ug/L		10/26/24 04:48	10/28/24 19:33	1
2,4-Dinitrotoluene	<1.3	*+	10	1.3	ug/L		10/26/24 04:48	10/28/24 19:33	1
2,6-Dinitrotoluene	<1.6		5.0	1.6	ug/L		10/26/24 04:48	10/28/24 19:33	1
Di-n-octyl phthalate	<0.37		5.0	0.37	ug/L		10/26/24 04:48	10/28/24 19:33	1
1,2-Diphenylhydrazine	<1.5		10	1.5	ug/L		10/26/24 04:48	10/28/24 19:33	1
Fluoranthene	<1.6	*+	5.0	1.6	ug/L		10/26/24 04:48	10/28/24 19:33	1
Fluorene	<1.6	*+	5.0	1.6	ug/L		10/26/24 04:48	10/28/24 19:33	1
Hexachlorobenzene	<0.31		5.0	0.31	ug/L		10/26/24 04:48	10/28/24 19:33	1
Hexachlorocyclopentadiene	<10	*+	10	10	ug/L		10/26/24 04:48	10/28/24 19:33	1
Hexachloroethane	<0.53		4.8	0.53	ug/L		10/26/24 04:48	10/28/24 19:33	1
Indeno[1,2,3-cd]pyrene	<2.3		10	2.3	ug/L		10/26/24 04:48	10/28/24 19:33	1
Isophorone	<1.6		5.0	1.6	ug/L		10/26/24 04:48	10/28/24 19:33	1
m & p - Cresol	<2.6		10	2.6	ug/L		10/26/24 04:48	10/28/24 19:33	1
Nitrobenzene	<1.7		5.0	1.7	ug/L		10/26/24 04:48	10/28/24 19:33	1
2-Nitrophenol	<1.7		10	1.7	ug/L		10/26/24 04:48	10/28/24 19:33	1
4-Nitrophenol	<7.2		7.2	7.2	ug/L		10/26/24 04:48	10/28/24 19:33	1
N-Nitrosodiethylamine	<1.8	*+	10	1.8	ug/L		10/26/24 04:48	10/28/24 19:33	1
N-Nitrosodimethylamine	<2.0		10	2.0	ug/L		10/26/24 04:48	10/28/24 19:33	1
N-Nitrosodi-n-butylamine	<1.5		10	1.5	ug/L		10/26/24 04:48	10/28/24 19:33	1
N-Nitrosodi-n-propylamine	<2.9		10	2.9	ug/L		10/26/24 04:48	10/28/24 19:33	1
N-Nitrosodiphenylamine	<1.8		10	1.8	ug/L		10/26/24 04:48	10/28/24 19:33	1

Client Sample ID: Broadway Final — **Lab Sample ID: 560-122010-1**
Date Collected: 10/24/24 06:00 — **Matrix: Water**
Date Received: 10/24/24 08:00

Method: EPA 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nonylphenol	<10		10	10	ug/L		10/26/24 04:48	10/28/24 19:33	1
2,2'-oxybis[1-chloropropane]	<1.8		10	1.8	ug/L		10/26/24 04:48	10/28/24 19:33	1
Pentachlorobenzene	<1.1		10	1.1	ug/L		10/26/24 04:48	10/28/24 19:33	1
Pentachlorophenol	<0.23		10	0.23	ug/L		10/26/24 04:48	10/28/24 19:33	1
Phenanthrene	<1.4	*+	10	1.4	ug/L		10/26/24 04:48	10/28/24 19:33	1
Phenol	<0.42		4.5	0.42	ug/L		10/26/24 04:48	10/28/24 19:33	1
Pyrene	<0.18	*+	5.0	0.18	ug/L		10/26/24 04:48	10/28/24 19:33	1
Pyridine	<10		10	10	ug/L		10/26/24 04:48	10/28/24 19:33	1
1,2,4,5-Tetrachlorobenzene	<1.3		10	1.3	ug/L		10/26/24 04:48	10/28/24 19:33	1
Total Cresols	<2.6		10	2.6	ug/L		10/26/24 04:48	10/28/24 19:33	1
2,4,5-Trichlorophenol	<2.0	*+	10	2.0	ug/L		10/26/24 04:48	10/28/24 19:33	1
2,4,6-Trichlorophenol	<1.4	*+	5.0	1.4	ug/L		10/26/24 04:48	10/28/24 19:33	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
bis(2-chloromethyl)ether TIC	*<100*		*ug/L*			*542-88-1*	*10/26/24 04:48*	*10/28/24 19:33*	*1*
2,3,7,8-TCDD TIC	*<10*		*ug/L*			*1746-01-6*	*10/26/24 04:48*	*10/28/24 19:33*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*107*		*29 - 112*	*10/26/24 04:48*	*10/28/24 19:33*	*1*
2-Fluorophenol	*52*		*28 - 114*	*10/26/24 04:48*	*10/28/24 19:33*	*1*
Nitrobenzene-d5	*103*		*15 - 314*	*10/26/24 04:48*	*10/28/24 19:33*	*1*
Phenol-d5	*34*		*8 - 424*	*10/26/24 04:48*	*10/28/24 19:33*	*1*
p-Terphenyl-d14 (Surr)	*137*		*20 - 141*	*10/26/24 04:48*	*10/28/24 19:33*	*1*
2,4,6-Tribromophenol	*144*	*S1+*	*31 - 132*	*10/26/24 04:48*	*10/28/24 19:33*	*1*

Method: EPA 608.3 - Organochlorine Pesticides in Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.00081		0.010	0.00081	ug/L		10/29/24 12:50	10/31/24 13:00	1
4,4'-DDE	<0.0011		0.010	0.0011	ug/L		10/29/24 12:50	10/31/24 13:00	1
4,4'-DDT	<0.0038		0.020	0.0038	ug/L		10/29/24 12:50	10/31/24 13:00	1
Aldrin	<0.0011		0.010	0.0011	ug/L		10/29/24 12:50	10/31/24 13:00	1
alpha-BHC	<0.0014		0.0090	0.0014	ug/L		10/29/24 12:50	10/31/24 13:00	1
beta-BHC	<0.0039		0.018	0.0039	ug/L		10/29/24 12:50	10/31/24 13:00	1
Chlordane	<0.10		0.25	0.10	ug/L		10/29/24 12:50	10/31/24 13:00	1
delta-BHC	<0.0025		0.25	0.0025	ug/L		10/29/24 12:50	10/31/24 13:00	1
Dicofol	<0.050		0.10	0.050	ug/L		10/29/24 12:50	10/31/24 13:00	1
Dieldrin	<0.00095		0.010	0.00095	ug/L		10/29/24 12:50	10/31/24 13:00	1
Endosulfan I	<0.0011		0.010	0.0011	ug/L		10/29/24 12:50	10/31/24 13:00	1
Endosulfan II	<0.0012		0.010	0.0012	ug/L		10/29/24 12:50	10/31/24 13:00	1
Endosulfan sulfate	**0.0045**	**J**	0.010	0.0011	ug/L		10/29/24 12:50	10/31/24 13:00	1
Endrin	<0.0016		0.010	0.0016	ug/L		10/29/24 12:50	10/31/24 13:00	1
Endrin aldehyde	<0.0012		0.010	0.0012	ug/L		10/29/24 12:50	10/31/24 13:00	1
gamma-BHC (Lindane)	<0.0030		0.010	0.0030	ug/L		10/29/24 12:50	10/31/24 13:00	1
Heptachlor	<0.0045		0.0090	0.0045	ug/L		10/29/24 12:50	10/31/24 13:00	1
Heptachlor epoxide	<0.0013		0.010	0.0013	ug/L		10/29/24 12:50	10/31/24 13:00	1
Methoxychlor	<0.0039		0.020	0.0039	ug/L		10/29/24 12:50	10/31/24 13:00	1
Mirex	<0.020		0.020	0.020	ug/L		10/29/24 12:50	10/31/24 13:00	1
Toxaphene	<0.077		0.20	0.077	ug/L		10/29/24 12:50	10/31/24 13:00	1

Client Sample ID: Broadway Final

Lab Sample ID: 560-122010-1

Date Collected: 10/24/24 06:00
Matrix: Water
Date Received: 10/24/24 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	*98*	*p*	*15 - 136*	*10/29/24 12:50*	*10/31/24 13:00*	*1*
Tetrachloro-m-xylene	*96*		*18 - 126*	*10/29/24 12:50*	*10/31/24 13:00*	*1*

Method: EPA-01 615 - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	**0.47**		0.20	0.054	ug/L		10/29/24 11:52	10/30/24 18:58	1
Silvex (2,4,5-TP)	<0.042		0.20	0.042	ug/L		10/29/24 11:52	10/30/24 18:58	1
Hexachlorophene	<0.81		5.0	0.81	ug/L		10/29/24 11:52	10/30/24 18:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	*117*		*45 - 150*	*10/29/24 11:52*	*10/30/24 18:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<1000		5000	1000	ug/L			10/30/24 16:10	10

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00092**		0.00050	0.00014	ug/L		10/28/24 15:30	10/29/24 12:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 353.2)	**180**		100	50	ug/L			10/29/24 14:37	1

Client Sample ID: Broadway Final Field Blank

Lab Sample ID: 560-122010-2

Date Collected: 10/24/24 06:00
Matrix: Water
Date Received: 10/24/24 08:00

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00014		0.00050	0.00014	ug/L		10/28/24 15:30	10/29/24 12:09	1

Client Sample ID: Broadway Final

Lab Sample ID: 560-122010-3

Date Collected: 10/24/24 06:00
Matrix: Water
Date Received: 10/24/24 08:00

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**19**	**J**	20	3.0	ug/L		10/27/24 10:00	10/28/24 19:02	1
Antimony	<5.3		10	5.3	ug/L		10/27/24 10:00	10/29/24 14:07	5
Arsenic	**8.1**	**J**	20	4.6	ug/L		10/27/24 10:00	10/29/24 14:07	5
Barium	**94**		20	4.8	ug/L		10/27/24 10:00	10/29/24 14:07	5
Beryllium	<0.38		2.0	0.38	ug/L		10/27/24 10:00	10/28/24 19:02	1
Cadmium	<1.3		10	1.3	ug/L		10/27/24 10:00	10/29/24 14:07	5
Chromium	<4.5		20	4.5	ug/L		10/27/24 10:00	10/29/24 14:07	5
Copper	**28**		20	3.5	ug/L		10/27/24 10:00	10/29/24 14:07	5
Lead	<1.8		10	1.8	ug/L		10/27/24 10:00	10/29/24 14:07	5
Molybdenum	**4.0**	**J**	10	2.5	ug/L		10/27/24 10:00	10/29/24 14:07	5
Nickel	**8.5**	**J**	10	2.4	ug/L		10/27/24 10:00	10/29/24 14:07	5
Selenium	**28**		10	3.4	ug/L		10/27/24 10:00	10/29/24 14:07	5
Silver	<1.8		10	1.8	ug/L		10/27/24 10:00	10/29/24 14:07	5
Thallium	<1.1		10	1.1	ug/L		10/27/24 10:00	10/29/24 14:07	5

Client: Water Utilities Laboratory
Job ID: 560-122010-1
Project/Site: Broadway Final, 10/24/24

Client Sample ID: Broadway Final
Lab Sample ID: 560-122010-3
Date Collected: 10/24/24 06:00
Matrix: Water
Date Received: 10/24/24 08:00

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	28	B	20	4.4	ug/L		10/27/24 10:00	10/29/24 14:07	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium VI (SM 3500 CR B)	<3.0		5.0	3.0	ug/L			10/24/24 15:56	1

Method: 625.1 - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 860-196066/1-A
Matrix: Water
Analysis Batch: 196220

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 196066

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<1.4		5.7	1.4	ug/L		10/26/24 04:48	10/28/24 15:06	1
1,2,4-Trichlorobenzene	<0.0016		0.0050	0.0016	mg/L		10/26/24 04:48	10/28/24 15:06	1
Acenaphthylene	<1.4		10	1.4	ug/L		10/26/24 04:48	10/28/24 15:06	1
Anthracene	<1.5		5.7	1.5	ug/L		10/26/24 04:48	10/28/24 15:06	1
Benzidine	<20		20	20	ug/L		10/26/24 04:48	10/28/24 15:06	1
Benzo[a]anthracene	<0.17		5.0	0.17	ug/L		10/26/24 04:48	10/28/24 15:06	1
Benzo[a]pyrene	<0.36		5.0	0.36	ug/L		10/26/24 04:48	10/28/24 15:06	1
3,4-Benzofluoranthene	<2.0		10	2.0	ug/L		10/26/24 04:48	10/28/24 15:06	1
Benzo[g,h,i]perylene	<2.7		10	2.7	ug/L		10/26/24 04:48	10/28/24 15:06	1
Benzo[k]fluoranthene	<5.0		5.0	5.0	ug/L		10/26/24 04:48	10/28/24 15:06	1
Bis(2-chloroethoxy)methane	<1.8		10	1.8	ug/L		10/26/24 04:48	10/28/24 15:06	1
Bis(2-chloroethyl)ether	<2.2		10	2.2	ug/L		10/26/24 04:48	10/28/24 15:06	1
Bis(2-ethylhexyl) phthalate	<0.28		5.0	0.28	ug/L		10/26/24 04:48	10/28/24 15:06	1
4-Bromophenyl phenyl ether	<0.00026		0.0050	0.00026	mg/L		10/26/24 04:48	10/28/24 15:06	1
Butyl benzyl phthalate	<0.34		5.0	0.34	ug/L		10/26/24 04:48	10/28/24 15:06	1
2-Chloronaphthalene	<0.46		5.0	0.46	ug/L		10/26/24 04:48	10/28/24 15:06	1
2-Chlorophenol	<0.65		5.0	0.65	ug/L		10/26/24 04:48	10/28/24 15:06	1
4-Chlorophenyl phenyl ether	<1.3		10	1.3	ug/L		10/26/24 04:48	10/28/24 15:06	1
Chrysene	<0.22		5.0	0.22	ug/L		10/26/24 04:48	10/28/24 15:06	1
Cresol, o-	<1.6		10	1.6	ug/L		10/26/24 04:48	10/28/24 15:06	1
Dibenzo(a),h)anthracene	<0.25		5.0	0.25	ug/L		10/26/24 04:48	10/28/24 15:06	1
3,3'-Dichlorobenzidine	<0.34		5.0	0.34	ug/L		10/26/24 04:48	10/28/24 15:06	1
2,4-Dichlorophenol	<0.31		5.0	0.31	ug/L		10/26/24 04:48	10/28/24 15:06	1
Diethyl phthalate	<1.6		5.0	1.6	ug/L		10/26/24 04:48	10/28/24 15:06	1
2,4-Dimethylphenol	<0.65		5.0	0.65	ug/L		10/26/24 04:48	10/28/24 15:06	1
Dimethyl phthalate	<2.5		2.5	2.5	ug/L		10/26/24 04:48	10/28/24 15:06	1
Di-n-butyl phthalate	<0.25		5.0	0.25	ug/L		10/26/24 04:48	10/28/24 15:06	1
4,6-Dinitro-2-methylphenol	<1.4		10	1.4	ug/L		10/26/24 04:48	10/28/24 15:06	1
2,4-Dinitrophenol	<1.6		10	1.6	ug/L		10/26/24 04:48	10/28/24 15:06	1
2,4-Dinitrotoluene	<1.3		10	1.3	ug/L		10/26/24 04:48	10/28/24 15:06	1
2,6-Dinitrotoluene	<1.6		5.0	1.6	ug/L		10/26/24 04:48	10/28/24 15:06	1
Di-n-octyl phthalate	<0.37		5.0	0.37	ug/L		10/26/24 04:48	10/28/24 15:06	1
1,2-Diphenylhydrazine	<1.5		10	1.5	ug/L		10/26/24 04:48	10/28/24 15:06	1
Fluoranthene	<1.6		5.0	1.6	ug/L		10/26/24 04:48	10/28/24 15:06	1
Fluorene	<1.6		5.0	1.6	ug/L		10/26/24 04:48	10/28/24 15:06	1
Hexachlorobenzene	<0.31		5.0	0.31	ug/L		10/26/24 04:48	10/28/24 15:06	1
Hexachlorocyclopentadiene	<10		10	10	ug/L		10/26/24 04:48	10/28/24 15:06	1
Hexachloroethane	<0.53		4.8	0.53	ug/L		10/26/24 04:48	10/28/24 15:06	1
Indeno[1,2,3-cd]pyrene	<2.3		10	2.3	ug/L		10/26/24 04:48	10/28/24 15:06	1
Isophorone	<1.6		5.0	1.6	ug/L		10/26/24 04:48	10/28/24 15:06	1
m & p - Cresol	<2.6		10	2.6	ug/L		10/26/24 04:48	10/28/24 15:06	1
Nitrobenzene	<1.7		5.0	1.7	ug/L		10/26/24 04:48	10/28/24 15:06	1
2-Nitrophenol	<1.7		10	1.7	ug/L		10/26/24 04:48	10/28/24 15:06	1
4-Nitrophenol	<7.2		7.2	7.2	ug/L		10/26/24 04:48	10/28/24 15:06	1
N-Nitrosodiethylamine	<1.8		10	1.8	ug/L		10/26/24 04:48	10/28/24 15:06	1
N-Nitrosodimethylamine	<2.0		10	2.0	ug/L		10/26/24 04:48	10/28/24 15:06	1
N-Nitrosodi-n-butylamine	<1.5		10	1.5	ug/L		10/26/24 04:48	10/28/24 15:06	1
N-Nitrosodi-n-propylamine	<2.9		10	2.9	ug/L		10/26/24 04:48	10/28/24 15:06	1

Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 860-196066/1-A
Matrix: Water
Analysis Batch: 196220

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 196066

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	<1.8		10	1.8	ug/L		10/26/24 04:48	10/28/24 15:06	1
Nonylphenol	<10		10	10	ug/L		10/26/24 04:48	10/28/24 15:06	1
2,2'-oxybis[1-chloropropane]	<1.8		10	1.8	ug/L		10/26/24 04:48	10/28/24 15:06	1
Pentachlorobenzene	<1.1		10	1.1	ug/L		10/26/24 04:48	10/28/24 15:06	1
Pentachlorophenol	<0.23		10	0.23	ug/L		10/26/24 04:48	10/28/24 15:06	1
Phenanthrene	<1.4		10	1.4	ug/L		10/26/24 04:48	10/28/24 15:06	1
Phenol	<0.42		4.5	0.42	ug/L		10/26/24 04:48	10/28/24 15:06	1
Pyrene	<0.18		5.0	0.18	ug/L		10/26/24 04:48	10/28/24 15:06	1
Pyridine	<10		10	10	ug/L		10/26/24 04:48	10/28/24 15:06	1
1,2,4,5-Tetrachlorobenzene	<1.3		10	1.3	ug/L		10/26/24 04:48	10/28/24 15:06	1
Total Cresols	<2.6		10	2.6	ug/L		10/26/24 04:48	10/28/24 15:06	1
2,4,5-Trichlorophenol	<2.0		10	2.0	ug/L		10/26/24 04:48	10/28/24 15:06	1
2,4,6-Trichlorophenol	<1.4		5.0	1.4	ug/L		10/26/24 04:48	10/28/24 15:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*97*		*29 - 112*	*10/26/24 04:48*	*10/28/24 15:06*	*1*
2-Fluorophenol	*56*		*28 - 114*	*10/26/24 04:48*	*10/28/24 15:06*	*1*
Nitrobenzene-d5	*100*		*15 - 314*	*10/26/24 04:48*	*10/28/24 15:06*	*1*
Phenol-d5	*36*		*8 - 424*	*10/26/24 04:48*	*10/28/24 15:06*	*1*
p-Terphenyl-d14 (Surr)	*113*		*20 - 141*	*10/26/24 04:48*	*10/28/24 15:06*	*1*
2,4,6-Tribromophenol	*101*		*31 - 132*	*10/26/24 04:48*	*10/28/24 15:06*	*1*

Lab Sample ID: LCS 860-196066/2-A
Matrix: Water
Analysis Batch: 196220

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 196066

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	40.0	50.5		ug/L		126	60 - 132
1,2,4-Trichlorobenzene	0.0400	0.0438		mg/L		109	57 - 130
Acenaphthylene	40.0	53.4	*+	ug/L		134	54 - 126
Anthracene	40.0	54.7	*+	ug/L		137	43 - 120
Benzidine	40.0	<20	*-	ug/L		21	25 - 125
Benzo[a]anthracene	40.0	52.8		ug/L		132	42 - 133
Benzo[a]pyrene	40.0	57.2		ug/L		143	32 - 148
3,4-Benzofluoranthene	40.0	55.2		ug/L		138	42 - 140
Benzo[g,h,i]perylene	40.0	56.7		ug/L		142	13 - 195
Benzo[k]fluoranthene	40.0	54.0		ug/L		135	25 - 146
Bis(2-chloroethoxy)methane	40.0	45.6		ug/L		114	49 - 165
Bis(2-chloroethyl)ether	40.0	51.8	*+	ug/L		130	43 - 126
Bis(2-ethylhexyl) phthalate	40.0	46.6		ug/L		117	29 - 137
4-Bromophenyl phenyl ether	0.0400	0.0541	*+	mg/L		135	65 - 120
Butyl benzyl phthalate	40.0	45.3		ug/L		113	12 - 140
2-Chloronaphthalene	40.0	51.9	*+	ug/L		130	65 - 120
2-Chlorophenol	40.0	46.2		ug/L		115	36 - 120
4-Chlorophenyl phenyl ether	40.0	52.4		ug/L		131	38 - 145
Chrysene	40.0	51.8		ug/L		129	44 - 140
Cresol, o-	40.0	44.2		ug/L		110	14 - 176
Dibenzo(a),h)anthracene	40.0	57.1		ug/L		143	16 - 200

Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 860-196066/2-A
Matrix: Water
Analysis Batch: 196220

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 196066

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
3,3'-Dichlorobenzidine	40.0	48.5		ug/L		121	18 - 213
2,4-Dichlorophenol	40.0	48.1		ug/L		120	53 - 122
Diethyl phthalate	40.0	52.3	*+	ug/L		131	17 - 120
2,4-Dimethylphenol	40.0	68.4	*+	ug/L		171	42 - 120
Dimethyl phthalate	40.0	51.5	*+	ug/L		129	25 - 120
Di-n-butyl phthalate	40.0	55.2	*+	ug/L		138	8 - 120
4,6-Dinitro-2-methylphenol	40.0	49.8		ug/L		125	53 - 130
2,4-Dinitrophenol	40.0	34.8		ug/L		87	12 - 173
2,4-Dinitrotoluene	40.0	52.8	*+	ug/L		132	48 - 127
2,6-Dinitrotoluene	40.0	52.5		ug/L		131	68 - 137
Di-n-octyl phthalate	40.0	44.3		ug/L		111	19 - 132
1,2-Diphenylhydrazine	40.0	48.1		ug/L		120	28 - 136
Fluoranthene	40.0	57.1	*+	ug/L		143	43 - 121
Fluorene	40.0	51.7	*+	ug/L		129	70 - 120
Hexachlorobenzene	40.0	54.8		ug/L		137	8 - 142
Hexachlorocyclopentadiene	40.0	86.2	*+	ug/L		216	41 - 125
Hexachloroethane	40.0	43.5		ug/L		109	55 - 120
Indeno[1,2,3-cd]pyrene	40.0	56.5		ug/L		141	13 - 151
Isophorone	40.0	44.8		ug/L		112	47 - 180
m & p - Cresol	40.0	39.3		ug/L		98	14 - 176
Nitrobenzene	40.0	46.0		ug/L		115	54 - 158
2-Nitrophenol	40.0	49.6		ug/L		124	45 - 167
4-Nitrophenol	40.0	33.9		ug/L		85	13 - 129
N-Nitrosodiethylamine	40.0	64.4	*+	ug/L		161	30 - 160
N-Nitrosodimethylamine	40.0	30.3		ug/L		76	20 - 125
N-Nitrosodi-n-butylamine	40.0	40.9		ug/L		102	33 - 141
N-Nitrosodi-n-propylamine	40.0	51.4		ug/L		128	14 - 198
N-Nitrosodiphenylamine	40.0	52.9		ug/L		132	2 - 196
2,2'-oxybis[1-chloropropane]	40.0	45.3		ug/L		113	63 - 139
Pentachlorobenzene	40.0	52.0		ug/L		130	25 - 131
Pentachlorophenol	40.0	42.7		ug/L		107	38 - 152
Phenanthrene	40.0	50.7	*+	ug/L		127	65 - 120
Phenol	40.0	27.1		ug/L		68	17 - 120
Pyrene	40.0	53.0	*+	ug/L		133	70 - 120
Pyridine	80.0	26.0		ug/L		33	5 - 94
1,2,4,5-Tetrachlorobenzene	40.0	48.3		ug/L		121	41 - 125
2,4,5-Trichlorophenol	40.0	51.9	*+	ug/L		130	35 - 111
2,4,6-Trichlorophenol	40.0	53.1	*+	ug/L		133	52 - 129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*116*	*S1+*	*29 - 112*
2-Fluorophenol	*76*		*28 - 114*
Nitrobenzene-d5	*113*		*15 - 314*
Phenol-d5	*55*		*8 - 424*
p-Terphenyl-d14 (Surr)	*129*		*20 - 141*
2,4,6-Tribromophenol	*146*	*S1+*	*31 - 132*

Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 860-196066/3-A
Matrix: Water
Analysis Batch: 196220

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 196066

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	40.0	45.8		ug/L		114	60 - 132	10	29
1,2,4-Trichlorobenzene	0.0400	0.0392		mg/L		98	57 - 130	11	30
Acenaphthylene	40.0	47.7		ug/L		119	54 - 126	11	30
Anthracene	40.0	49.6	*+	ug/L		124	43 - 120	10	30
Benzidine	40.0	<20	*1	ug/L		33	25 - 125	43	30
Benzo[a]anthracene	40.0	48.2		ug/L		120	42 - 133	9	30
Benzo[a]pyrene	40.0	52.1		ug/L		130	32 - 148	9	30
3,4-Benzofluoranthene	40.0	49.3		ug/L		123	42 - 140	11	30
Benzo[g,h,i]perylene	40.0	53.1		ug/L		133	13 - 195	7	30
Benzo[k]fluoranthene	40.0	48.8		ug/L		122	25 - 146	10	30
Bis(2-chloroethoxy)methane	40.0	40.7		ug/L		102	49 - 165	11	30
Bis(2-chloroethyl)ether	40.0	46.3		ug/L		116	43 - 126	11	30
Bis(2-ethylhexyl) phthalate	40.0	42.1		ug/L		105	29 - 137	10	30
4-Bromophenyl phenyl ether	0.0400	0.0485	*+	mg/L		121	65 - 120	11	26
Butyl benzyl phthalate	40.0	42.3		ug/L		106	12 - 140	7	30
2-Chloronaphthalene	40.0	46.4		ug/L		116	65 - 120	11	15
2-Chlorophenol	40.0	42.1		ug/L		105	36 - 120	9	30
4-Chlorophenyl phenyl ether	40.0	47.5		ug/L		119	38 - 145	10	30
Chrysene	40.0	47.1		ug/L		118	44 - 140	9	30
Cresol, o-	40.0	40.5		ug/L		101	14 - 176	9	30
Dibenzo(a),h)anthracene	40.0	53.5		ug/L		134	16 - 200	7	30
3,3'-Dichlorobenzidine	40.0	45.6		ug/L		114	18 - 213	6	30
2,4-Dichlorophenol	40.0	43.5		ug/L		109	53 - 122	10	30
Diethyl phthalate	40.0	47.3		ug/L		118	17 - 120	10	30
2,4-Dimethylphenol	40.0	63.2	*+	ug/L		158	42 - 120	8	30
Dimethyl phthalate	40.0	47.1		ug/L		118	25 - 120	9	30
Di-n-butyl phthalate	40.0	50.3	*+	ug/L		126	8 - 120	9	28
4,6-Dinitro-2-methylphenol	40.0	46.2		ug/L		115	53 - 130	8	30
2,4-Dinitrophenol	40.0	34.7		ug/L		87	12 - 173	0	30
2,4-Dinitrotoluene	40.0	48.6		ug/L		121	48 - 127	8	25
2,6-Dinitrotoluene	40.0	48.2		ug/L		121	68 - 137	8	29
Di-n-octyl phthalate	40.0	40.5		ug/L		101	19 - 132	9	30
1,2-Diphenylhydrazine	40.0	42.6		ug/L		107	28 - 136	12	30
Fluoranthene	40.0	52.3	*+	ug/L		131	43 - 121	9	30
Fluorene	40.0	47.5		ug/L		119	70 - 120	9	23
Hexachlorobenzene	40.0	49.3		ug/L		123	8 - 142	10	30
Hexachlorocyclopentadiene	40.0	80.5	*+	ug/L		201	41 - 125	7	30
Hexachloroethane	40.0	38.6		ug/L		96	55 - 120	12	30
Indeno[1,2,3-cd]pyrene	40.0	52.4		ug/L		131	13 - 151	7	30
Isophorone	40.0	40.6		ug/L		102	47 - 180	10	30
m & p - Cresol	40.0	35.9		ug/L		90	14 - 176	9	30
Nitrobenzene	40.0	41.9		ug/L		105	54 - 158	9	30
2-Nitrophenol	40.0	45.3		ug/L		113	45 - 167	9	30
4-Nitrophenol	40.0	36.6		ug/L		91	13 - 129	7	30
N-Nitrosodiethylamine	40.0	56.9		ug/L		142	30 - 160	12	30
N-Nitrosodimethylamine	40.0	26.8		ug/L		67	20 - 125	12	30
N-Nitrosodi-n-butylamine	40.0	37.8		ug/L		95	33 - 141	8	30
N-Nitrosodi-n-propylamine	40.0	44.8		ug/L		112	14 - 198	14	30

Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 860-196066/3-A
Matrix: Water
Analysis Batch: 196220

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 196066

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
N-Nitrosodiphenylamine			40.0	47.9		ug/L		120	2 - 196	10	30
2,2'-oxybis[1-chloropropane]			40.0	39.9		ug/L		100	63 - 139	13	30
Pentachlorobenzene			40.0	46.4		ug/L		116	25 - 131	11	30
Pentachlorophenol			40.0	39.1		ug/L		98	38 - 152	9	30
Phenanthrene			40.0	46.0		ug/L		115	65 - 120	10	30
Phenol			40.0	26.1		ug/L		65	17 - 120	4	30
Pyrene			40.0	48.1		ug/L		120	70 - 120	10	30
Pyridine			80.0	26.6		ug/L		33	5 - 94	2	30
1,2,4,5-Tetrachlorobenzene			40.0	44.7		ug/L		112	41 - 125	8	30
2,4,5-Trichlorophenol			40.0	49.1	*+	ug/L		123	35 - 111	6	30
2,4,6-Trichlorophenol			40.0	49.3		ug/L		123	52 - 129	7	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*109*		*29 - 112*
2-Fluorophenol	*74*		*28 - 114*
Nitrobenzene-d5	*104*		*15 - 314*
Phenol-d5	*55*		*8 - 424*
p-Terphenyl-d14 (Surr)	*119*		*20 - 141*
2,4,6-Tribromophenol	*136*	*S1+*	*31 - 132*

Method: 608.3 - Organochlorine Pesticides in Water

Lab Sample ID: MB 860-196539/1-A
Matrix: Water
Analysis Batch: 196986

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 196539

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.00081		0.010	0.00081	ug/L		10/29/24 12:50	10/31/24 11:10	1
4,4'-DDE	<0.0011		0.010	0.0011	ug/L		10/29/24 12:50	10/31/24 11:10	1
4,4'-DDT	<0.0038		0.020	0.0038	ug/L		10/29/24 12:50	10/31/24 11:10	1
Aldrin	<0.0011		0.010	0.0011	ug/L		10/29/24 12:50	10/31/24 11:10	1
alpha-BHC	<0.0014		0.0090	0.0014	ug/L		10/29/24 12:50	10/31/24 11:10	1
beta-BHC	<0.0039		0.018	0.0039	ug/L		10/29/24 12:50	10/31/24 11:10	1
Chlordane	<0.10		0.25	0.10	ug/L		10/29/24 12:50	10/31/24 11:10	1
delta-BHC	<0.0025		0.25	0.0025	ug/L		10/29/24 12:50	10/31/24 11:10	1
Dicofol	<0.050		0.10	0.050	ug/L		10/29/24 12:50	10/31/24 11:10	1
Dieldrin	<0.00095		0.010	0.00095	ug/L		10/29/24 12:50	10/31/24 11:10	1
Endosulfan I	<0.0011		0.010	0.0011	ug/L		10/29/24 12:50	10/31/24 11:10	1
Endosulfan II	<0.0012		0.010	0.0012	ug/L		10/29/24 12:50	10/31/24 11:10	1
Endosulfan sulfate	<0.0011		0.010	0.0011	ug/L		10/29/24 12:50	10/31/24 11:10	1
Endrin	<0.0016		0.010	0.0016	ug/L		10/29/24 12:50	10/31/24 11:10	1
Endrin aldehyde	<0.0012		0.010	0.0012	ug/L		10/29/24 12:50	10/31/24 11:10	1
gamma-BHC (Lindane)	<0.0030		0.010	0.0030	ug/L		10/29/24 12:50	10/31/24 11:10	1
Heptachlor	<0.0045		0.0090	0.0045	ug/L		10/29/24 12:50	10/31/24 11:10	1
Heptachlor epoxide	<0.0013		0.010	0.0013	ug/L		10/29/24 12:50	10/31/24 11:10	1
Methoxychlor	<0.0039		0.020	0.0039	ug/L		10/29/24 12:50	10/31/24 11:10	1
Mirex	<0.020		0.020	0.020	ug/L		10/29/24 12:50	10/31/24 11:10	1
Toxaphene	<0.077		0.20	0.077	ug/L		10/29/24 12:50	10/31/24 11:10	1

Method: 608.3 - Organochlorine Pesticides in Water (Continued)

Lab Sample ID: MB 860-196539/1-A
Matrix: Water
Analysis Batch: 196986

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 196539

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	113		15 - 136	10/29/24 12:50	10/31/24 11:10	1
Tetrachloro-m-xylene	112		18 - 126	10/29/24 12:50	10/31/24 11:10	1

Lab Sample ID: LCS 860-196539/2-A
Matrix: Water
Analysis Batch: 196986

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 196539

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.100	0.103		ug/L		103	31 - 141
4,4'-DDE	0.100	0.0977		ug/L		98	30 - 145
4,4'-DDT	0.100	0.0915		ug/L		91	25 - 160
Aldrin	0.100	0.0944		ug/L		94	42 - 140
alpha-BHC	0.100	0.0985		ug/L		99	37 - 140
beta-BHC	0.100	0.106		ug/L		106	17 - 147
delta-BHC	0.100	0.104	J	ug/L		104	19 - 140
Dieldrin	0.100	0.101		ug/L		101	36 - 146
Endosulfan I	0.100	0.106		ug/L		106	45 - 153
Endosulfan II	0.100	0.109		ug/L		109	22 - 171
Endosulfan sulfate	0.100	0.101		ug/L		101	26 - 144
Endrin	0.100	0.119		ug/L		119	30 - 147
Endrin aldehyde	0.100	0.0971		ug/L		97	60 - 130
gamma-BHC (Lindane)	0.100	0.104		ug/L		104	34 - 140
Heptachlor	0.100	0.104		ug/L		104	34 - 140
Heptachlor epoxide	0.100	0.104		ug/L		104	37 - 142
Methoxychlor	0.100	0.0903		ug/L		90	50 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	106		15 - 136
Tetrachloro-m-xylene	102		18 - 126

Lab Sample ID: LCSD 860-196539/3-A
Matrix: Water
Analysis Batch: 196986

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 196539

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	0.100	0.0964		ug/L		96	31 - 141	7	30
4,4'-DDE	0.100	0.0886		ug/L		89	30 - 145	10	30
4,4'-DDT	0.100	0.0915		ug/L		91	25 - 160	0	30
Aldrin	0.100	0.0882		ug/L		88	42 - 140	7	30
alpha-BHC	0.100	0.0920		ug/L		92	37 - 140	7	30
beta-BHC	0.100	0.0981		ug/L		98	17 - 147	8	30
delta-BHC	0.100	0.0959	J	ug/L		96	19 - 140	8	30
Dieldrin	0.100	0.0942		ug/L		94	36 - 146	7	30
Endosulfan I	0.100	0.0979		ug/L		98	45 - 153	8	30
Endosulfan II	0.100	0.0998		ug/L		100	22 - 171	9	30
Endosulfan sulfate	0.100	0.0928		ug/L		93	26 - 144	8	30
Endrin	0.100	0.111		ug/L		111	30 - 147	7	30
Endrin aldehyde	0.100	0.0880		ug/L		88	60 - 130	10	30

Method: 608.3 - Organochlorine Pesticides in Water (Continued)

Lab Sample ID: LCSD 860-196539/3-A
Matrix: Water
Analysis Batch: 196986

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 196539

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
gamma-BHC (Lindane)			0.100	0.0976		ug/L		98	34 - 140	7	30
Heptachlor			0.100	0.0975		ug/L		98	34 - 140	6	30
Heptachlor epoxide			0.100	0.0970		ug/L		97	37 - 142	7	30
Methoxychlor			0.100	0.0898		ug/L		90	50 - 130	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*99*		*15 - 136*
Tetrachloro-m-xylene	*96*		*18 - 126*

Method: 615 - Herbicides (GC)

Lab Sample ID: MB 860-196525/1-A
Matrix: Water
Analysis Batch: 196724

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 196525

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.054		0.20	0.054	ug/L		10/29/24 07:46	10/30/24 11:56	1
Silvex (2,4,5-TP)	<0.042		0.20	0.042	ug/L		10/29/24 07:46	10/30/24 11:56	1
Hexachlorophene	<0.81		5.0	0.81	ug/L		10/29/24 07:46	10/30/24 11:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*106*		*45 - 150*	*10/29/24 07:46*	*10/30/24 11:56*	*1*

Lab Sample ID: LCS 860-196525/2-A
Matrix: Water
Analysis Batch: 196724

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 196525

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-D			2.00	1.69		ug/L		84	55 - 145
Silvex (2,4,5-TP)			2.00	1.82		ug/L		91	55 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*96*		*45 - 150*

Lab Sample ID: LCS 860-196525/4-A
Matrix: Water
Analysis Batch: 196724

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 196525

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachlorophene			8.00	7.60		ug/L		95	60 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*83*		*45 - 150*

Method: 615 - Herbicides (GC) (Continued)

Lab Sample ID: LCSD 860-196525/3-A
Matrix: Water
Analysis Batch: 196724

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 196525

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-D			2.00	1.64		ug/L		82	55 - 145	3	25
Silvex (2,4,5-TP)			2.00	1.83		ug/L		91	55 - 140	1	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*92*		*45 - 150*

Lab Sample ID: LCSD 860-196525/5-A
Matrix: Water
Analysis Batch: 196724

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 196525

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Hexachlorophene			8.00	8.28		ug/L		104	60 - 135	9	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*91*		*45 - 150*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-196771/3
Matrix: Water
Analysis Batch: 196771

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<100		500	100	ug/L			10/30/24 11:40	1

Lab Sample ID: MB 860-196771/60
Matrix: Water
Analysis Batch: 196771

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<100		500	100	ug/L			10/30/24 18:39	1

Lab Sample ID: LCS 860-196771/4
Matrix: Water
Analysis Batch: 196771

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride			10000	10200		ug/L		102	90 - 110		

Lab Sample ID: LCS 860-196771/61
Matrix: Water
Analysis Batch: 196771

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride			10000	10200		ug/L		102	90 - 110		

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 860-196771/5
Matrix: Water
Analysis Batch: 196771

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride			10000	10200		ug/L		102	90 - 110	0	20

Lab Sample ID: LCSD 860-196771/62
Matrix: Water
Analysis Batch: 196771

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride			10000	10200		ug/L		102	90 - 110	0	20

Lab Sample ID: LLCS 860-196771/7
Matrix: Water
Analysis Batch: 196771

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride			500	520		ug/L		104	50 - 150		

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 240-632794/1-A
Matrix: Water
Analysis Batch: 633007

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 632794

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00014		0.00050	0.00014	ug/L		10/28/24 15:30	10/29/24 11:30	1

Lab Sample ID: LCS 240-632794/2-A
Matrix: Water
Analysis Batch: 633007

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 632794

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00500	0.00437		ug/L		87	77 - 123		

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 860-196107/1-A
Matrix: Water
Analysis Batch: 196364

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 196107

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<3.0		20	3.0	ug/L		10/27/24 10:00	10/28/24 18:03	1
Antimony	<1.1		2.0	1.1	ug/L		10/27/24 10:00	10/28/24 18:03	1
Arsenic	<0.93		4.0	0.93	ug/L		10/27/24 10:00	10/28/24 18:03	1
Barium	<0.95		4.0	0.95	ug/L		10/27/24 10:00	10/28/24 18:03	1
Beryllium	<0.38		2.0	0.38	ug/L		10/27/24 10:00	10/28/24 18:03	1
Cadmium	<0.26		2.0	0.26	ug/L		10/27/24 10:00	10/28/24 18:03	1
Chromium	<0.89		4.0	0.89	ug/L		10/27/24 10:00	10/28/24 18:03	1
Copper	<0.69		4.0	0.69	ug/L		10/27/24 10:00	10/28/24 18:03	1
Lead	<0.37		2.0	0.37	ug/L		10/27/24 10:00	10/28/24 18:03	1
Molybdenum	<0.50		2.0	0.50	ug/L		10/27/24 10:00	10/28/24 18:03	1
Nickel	<0.49		2.0	0.49	ug/L		10/27/24 10:00	10/28/24 18:03	1

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 860-196107/1-A
Matrix: Water
Analysis Batch: 196364

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 196107

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.69		2.0	0.69	ug/L		10/27/24 10:00	10/28/24 18:03	1
Silver	<0.35		2.0	0.35	ug/L		10/27/24 10:00	10/28/24 18:03	1
Thallium	<0.22		2.0	0.22	ug/L		10/27/24 10:00	10/28/24 18:03	1
Zinc	2.07	J	4.0	0.89	ug/L		10/27/24 10:00	10/28/24 18:03	1

Lab Sample ID: LCS 860-196107/2-A
Matrix: Water
Analysis Batch: 196364

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 196107

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	500	497		ug/L		99	85 - 115
Antimony	100	91.3		ug/L		91	85 - 115
Arsenic	100	99.1		ug/L		99	85 - 115
Barium	100	99.4		ug/L		99	85 - 115
Beryllium	100	99.8		ug/L		100	85 - 115
Cadmium	100	96.9		ug/L		97	85 - 115
Chromium	100	96.6		ug/L		97	85 - 115
Copper	100	96.9		ug/L		97	85 - 115
Lead	100	95.9		ug/L		96	85 - 115
Molybdenum	100	96.1		ug/L		96	85 - 115
Nickel	100	95.9		ug/L		96	85 - 115
Selenium	100	96.1		ug/L		96	85 - 115
Silver	50.0	49.4		ug/L		99	85 - 115
Thallium	100	97.3		ug/L		97	85 - 115
Zinc	100	99.1		ug/L		99	85 - 115

Lab Sample ID: LCSD 860-196107/3-A
Matrix: Water
Analysis Batch: 196364

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 196107

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	500	500		ug/L		100	85 - 115	1	20
Antimony	100	92.5		ug/L		93	85 - 115	1	20
Arsenic	100	99.0		ug/L		99	85 - 115	0	20
Barium	100	98.8		ug/L		99	85 - 115	1	20
Beryllium	100	98.1		ug/L		98	85 - 115	2	20
Cadmium	100	96.7		ug/L		97	85 - 115	0	20
Chromium	100	96.9		ug/L		97	85 - 115	0	20
Copper	100	96.0		ug/L		96	85 - 115	1	20
Lead	100	95.4		ug/L		95	85 - 115	1	20
Molybdenum	100	95.8		ug/L		96	85 - 115	0	20
Nickel	100	95.7		ug/L		96	85 - 115	0	20
Selenium	100	96.1		ug/L		96	85 - 115	0	20
Silver	50.0	49.2		ug/L		98	85 - 115	0	20
Thallium	100	97.2		ug/L		97	85 - 115	0	20
Zinc	100	98.6		ug/L		99	85 - 115	0	20

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: LLCS 860-196107/4-A
Matrix: Water
Analysis Batch: 196364

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 196107

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	20.0	21.1		ug/L		105	50 - 150
Antimony	2.00	1.88	J	ug/L		94	50 - 150
Arsenic	4.00	4.02		ug/L		100	50 - 150
Barium	4.00	4.05		ug/L		101	50 - 150
Beryllium	2.00	2.02		ug/L		101	50 - 150
Cadmium	2.00	2.02		ug/L		101	50 - 150
Chromium	4.00	4.61		ug/L		115	50 - 150
Copper	4.00	4.20		ug/L		105	50 - 150
Lead	2.00	2.00		ug/L		100	50 - 150
Molybdenum	2.00	2.02		ug/L		101	50 - 150
Nickel	2.00	1.96	J	ug/L		98	50 - 150
Selenium	2.00	1.90	J	ug/L		95	50 - 150
Silver	2.00	2.14		ug/L		107	50 - 150
Thallium	2.00	2.03		ug/L		102	50 - 150
Zinc	4.00	3.93	J	ug/L		98	50 - 150

Lab Sample ID: MB 860-196260/1-A
Matrix: Water
Analysis Batch: 196589

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 196260

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<3.0		20	3.0	ug/L		10/28/24 13:00	10/29/24 12:25	1
Antimony	<1.1		2.0	1.1	ug/L		10/28/24 13:00	10/29/24 12:25	1
Arsenic	<0.93		4.0	0.93	ug/L		10/28/24 13:00	10/29/24 12:25	1
Barium	<0.95		4.0	0.95	ug/L		10/28/24 13:00	10/29/24 12:25	1
Beryllium	<0.38		2.0	0.38	ug/L		10/28/24 13:00	10/29/24 12:25	1
Cadmium	<0.26		2.0	0.26	ug/L		10/28/24 13:00	10/29/24 12:25	1
Chromium	<0.89		4.0	0.89	ug/L		10/28/24 13:00	10/29/24 12:25	1
Copper	<0.69		4.0	0.69	ug/L		10/28/24 13:00	10/29/24 12:25	1
Lead	<0.37		2.0	0.37	ug/L		10/28/24 13:00	10/29/24 12:25	1
Molybdenum	<0.50		2.0	0.50	ug/L		10/28/24 13:00	10/29/24 12:25	1
Nickel	<0.49		2.0	0.49	ug/L		10/28/24 13:00	10/29/24 12:25	1
Selenium	<0.69		2.0	0.69	ug/L		10/28/24 13:00	10/29/24 12:25	1
Silver	<0.35		2.0	0.35	ug/L		10/28/24 13:00	10/29/24 12:25	1
Thallium	<0.22		2.0	0.22	ug/L		10/28/24 13:00	10/29/24 12:25	1
Zinc	<0.89		4.0	0.89	ug/L		10/28/24 13:00	10/29/24 12:25	1

Lab Sample ID: LLCS 860-196260/4-A
Matrix: Water
Analysis Batch: 196589

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 196260

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	20.0	20.6		ug/L		103	50 - 150
Antimony	2.00	1.90	J	ug/L		95	50 - 150
Arsenic	4.00	4.20		ug/L		105	50 - 150
Barium	4.00	4.05		ug/L		101	50 - 150
Beryllium	2.00	2.03		ug/L		101	50 - 150
Cadmium	2.00	2.04		ug/L		102	50 - 150
Chromium	4.00	4.08		ug/L		102	50 - 150

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: LLCS 860-196260/4-A
Matrix: Water
Analysis Batch: 196589

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 196260

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Copper	4.00	4.30		ug/L		108	50 - 150
Lead	2.00	2.03		ug/L		102	50 - 150
Molybdenum	2.00	2.07		ug/L		104	50 - 150
Nickel	2.00	2.03		ug/L		102	50 - 150
Selenium	2.00	1.93	J	ug/L		97	50 - 150
Silver	2.00	2.15		ug/L		107	50 - 150
Thallium	2.00	2.06		ug/L		103	50 - 150
Zinc	4.00	4.00		ug/L		100	50 - 150

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 860-196613/3
Matrix: Water
Analysis Batch: 196613

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	<50		100	50	ug/L			10/29/24 14:22	1

Lab Sample ID: LCS 860-196613/4
Matrix: Water
Analysis Batch: 196613

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	1000	1020		ug/L		102	90 - 110

Lab Sample ID: LCSD 860-196613/5
Matrix: Water
Analysis Batch: 196613

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	1000	981		ug/L		98	90 - 110	4	20

Method: SM 3500 CR B - Chromium, Hexavalent

Lab Sample ID: MB 560-218059/10
Matrix: Water
Analysis Batch: 218059

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium VI	<3.0		5.0	3.0	ug/L			10/24/24 15:56	1

Lab Sample ID: LCS 560-218059/11
Matrix: Water
Analysis Batch: 218059

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium VI	200	190		ug/L		95	85 - 115

Method: SM 3500 CR B - Chromium, Hexavalent (Continued)

Lab Sample ID: 560-122010-3 MS
Matrix: Water
Analysis Batch: 218059

Client Sample ID: Broadway Final
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chromium VI	<3.0		200	191		ug/L		96	85 - 115		

Lab Sample ID: 560-122010-3 MSD
Matrix: Water
Analysis Batch: 218059

Client Sample ID: Broadway Final
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium VI	<3.0		200	191		ug/L		96	85 - 115	0	20

Accreditation/Certification Summary

Client: Water Utilities Laboratory
Project/Site: Broadway Final, 10/24/24

Job ID: 560-122010-1

Laboratory: Eurofins Corpus Christi

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704210-22-30	03-31-25

Laboratory: Eurofins Cleveland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2927	02-28-25
Connecticut	State	PH-0806	12-31-26
Georgia	State	4062	02-27-25
Illinois	NELAP	200004	08-31-25
Iowa	State	421	06-01-25
Kentucky (UST)	State	112225	02-27-25
Kentucky (WW)	State	KY98016	12-30-24
Minnesota	NELAP	039-999-348	12-31-24
New Hampshire	NELAP	225024	09-30-25
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-02-25
Ohio VAP	State	ORELAP 4062	02-27-25
Oregon	NELAP	4062	02-27-25
Pennsylvania	NELAP	68-00340	08-31-25
Texas	NELAP	T104704517-22-19	08-31-25
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-25
West Virginia DEP	State	210	12-31-24

Laboratory: Eurofins Houston

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00759	08-03-25
Florida	NELAP	E871002	06-30-25
Louisiana (All)	NELAP	03054	06-30-25
Oklahoma	NELAP	1306	08-31-25
Texas	NELAP	T104704215	06-30-25
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26

Method Summary

Client: Water Utilities Laboratory
Project/Site: Broadway Final, 10/24/24

Job ID: 560-122010-1

Method	Method Description	Protocol	Laboratory
625.1	Semivolatile Organic Compounds (GC/MS)	EPA	EET HOU
608.3	Organochlorine Pesticides in Water	EPA	EET HOU
615	Herbicides (GC)	EPA-01	EET HOU
300.0	Anions, Ion Chromatography	EPA	EET HOU
1631E	Mercury, Low Level (CVAFS)	EPA	EET CLE
200.8	Metals (ICP/MS)	EPA	EET HOU
353.2	Nitrogen, Nitrate-Nitrite	EPA	EET HOU
SM 3500 CR B	Chromium, Hexavalent	SM	EET CC
Subcontract	614 Parathion and Malathion (Ana Lab)	None	SPL
Subcontract	622 Guthion, Chlorpyrifos, Demeton, Diazinon (Ana Lab)	None	SPL
Subcontract	632 Danitol (Ana Lab)	None	SPL
1631E	Preparation, Mercury, Low Level	EPA	EET CLE
200.8	Preparation, Total Recoverable Metals	EPA	EET HOU
3511	Microextraction of Organic Compounds	SW846	EET HOU
608	Liquid-Liquid Extraction (Separatory Funnel)	EPA	EET HOU
625	Liquid-Liquid Extraction	EPA	EET HOU

Protocol References:

EPA = US Environmental Protection Agency

EPA-01 = "Methods For The Determination Of Nonconventional Pesticides In Municipal And Industrial Wastewater", EPA/821/R/92/002, April 1992.

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CC = Eurofins Corpus Christi, 1733 N. Padre Island Drive, Corpus Christi, TX 78408, TEL (361)289-2471

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

SPL = SPL Kilgore, 2600 Dudley Rd, Kilgore, TX 75662

Sample Summary

Client: Water Utilities Laboratory
Project/Site: Broadway Final, 10/24/24

Job ID: 560-122010-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
560-122010-1	Broadway Final	Water	10/24/24 06:00	10/24/24 08:00
560-122010-2	Broadway Final Field Blank	Water	10/24/24 06:00	10/24/24 08:00
560-122010-3	Broadway Final	Water	10/24/24 06:00	10/24/24 08:00

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

Project
1123137

TAML-G

Eurofins TestAmerica,Corpus Christi
Lindy Maingot
1733 N. Padre Island Drive
Corpus Christi, TX 78408

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7:09

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2600 Dudley Rd. Kilgore, Texas 75662
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SAMPLE CROSS REFERENCE

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Printed 11/5/2024 Page 1 of 1
ww

Eurofins TestAmerica, Corpus Christi
Lindy Maingot
1733 N. Padre Island Drive
Corpus Christi, TX 78408

Sample	Sample ID	Taken	Time	Received
2348365	*BROADWAY FINAL 560-122010-1*	10/25/2024	06:00:00	10/25/2024

Bottle 01 Client supplied H2SO4 Amber Glass
Bottle 02 Client supplied H2SO4 Amber Glass
Bottle 03 Client supplied H2SO4 Amber Glass
Bottle 04 Client supplied H2SO4 Amber Glass
Bottle 05 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1144929) Volume: 1.00000 mL <== Derived from 02 (1061 ml)
Bottle 06 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1144935) Volume: 1.00000 mL <== Derived from 02 (1061 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 632	05	1144929	10/28/2024	1146081	10/29/2024
EPA 614	06	1144935	10/28/2024	1145545	10/31/2024
EPA 622	06	1144935	10/28/2024	1145547	10/31/2024

Email: Kilgore.ProjectManagement@spllabs.com

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RESULTS

Sample Results

2348365 BROADWAY FINAL 560-122010-1 — Received: 10/25/2024

Non-Potable Water | Collected by: Client | Eurofins TestAmerica | PO: US1313848678
Taken: 10/25/2024 06:00:00

EPA 614 — Prepared: 1144935 10/28/2024 13:00:00 — Analyzed 1145545 10/31/2024 03:31:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Malathion	<0.0471	ug/L	0.0471		121-75-5	06
NELAC	Parathion, ethyl	<0.0471	ug/L	0.0471		56-38-2	06
NELAC	Parathion, methyl	<0.0471	ug/L	0.0471		298-00-0	06

EPA 622 — Prepared: 1144935 10/28/2024 13:00:00 — Analyzed 1145547 10/31/2024 03:31:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Azinphos-methyl (Guthion)	<0.0471	ug/L	0.0471		86-50-0	06
NELAC	Chlorpyrifos	<0.0471	ug/L	0.0471		2921-88-2	06
NELAC	Demeton	<0.0471	ug/L	0.0471		8065-48-3	06
NELAC	Diazinon	<0.0471	ug/L	0.0471		333-41-5	06
NELAC	Malathion	<0.0471	ug/L	0.0471		121-75-5	06
NELAC	Parathion, ethyl	<0.0471	ug/L	0.0471		56-38-2	06
NELAC	Parathion, methyl	<0.0471	ug/L	0.0471		298-00-0	06

EPA 632 — Prepared: 1144929 10/28/2024 13:00:00 — Analyzed 1146081 10/29/2024 22:45:00 BRU

	Parameter	Results	Units	RL	Flags	CAS	Bottle
z	Danitol	<0.0943	ug/L	0.0943		64357-84-7	05

Sample Preparation

2348365 BROADWAY FINAL 560-122010-1 — Received: 10/25/2024

US1313848678

10/25/2024

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2348365 **BROADWAY FINAL 560-122010-1**

Received: 10/25/2024

US1313848678

10/25/2024

		Prepared:		*10/25/2024*	*16:02:04*	*Calculated*		*10/25/2024*	*16:02:04* *CAL*
z	**Environmental Fee (per Project)**	**Verified**							
EPA 608.3		*Prepared:*	*1144935*	*10/28/2024*	*13:00:00*	*Analyzed*	*1144935*	*10/28/2024*	*13:00:00* *LSM*
	Solvent Extraction	**1/1061**	**ml**						02
EPA 614		*Prepared:*	*1144935*	*10/28/2024*	*13:00:00*	*Analyzed*	*1145545*	*10/31/2024*	*03:31:00* *KAP*
z	**Parathion/Malathion EXP**	**Entered**							06
EPA 622		*Prepared:*	*1144935*	*10/28/2024*	*13:00:00*	*Analyzed*	*1145547*	*10/31/2024*	*03:31:00* *KAP*
z	**Table 1 Organophosphorous Pestic**	**Entered**							06
EPA 632		*Prepared:*	*1144929*	*10/28/2024*	*13:00:00*	*Analyzed*	*1144929*	*10/28/2024*	*13:00:00* *LSM*
	Liquid-Liquid Extr. W/Hex Ex	**1/1061**	**ml**						02
EPA 632		*Prepared:*	*1144929*	*10/28/2024*	*13:00:00*	*Analyzed*	*1146081*	*10/29/2024*	*22:45:00* *BRU*
z	**Danitol Exp**	**Entered**							05

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Project
1123137

Eurofins TestAmerica, Corpus Christi
Lindy Maingot
1733 N. Padre Island Drive
Corpus Christi, TX 78408

Printed: 11/05/2024

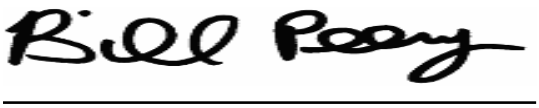
Qualifiers:

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

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

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

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



Bill Peery, MS, VP Technical Services

QUALITY CONTROL

TAML-G

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Project
1123137

Printed 11/05/2024

Analytical Set 1145545 — EPA 614

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Malathion	1144935	ND	24.8	50.0	ug/L	126958625
Parathion, ethyl	1144935	ND	23.9	50.0	ug/L	126958625
Parathion, methyl	1144935	ND	27.4	50.0	ug/L	126958625

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Malathion	1000	1000	ug/L	100	49.5 - 160	126958610
Malathion	1170	1000	ug/L	117	49.5 - 160	126958617
Malathion	1140	1000	ug/L	114	49.5 - 160	126958624
Malathion	1240	1000	ug/L	124	49.5 - 160	126958630
Parathion, ethyl	989	1000	ug/L	98.9	56.0 - 142	126958610
Parathion, ethyl	1190	1000	ug/L	119	56.0 - 142	126958617
Parathion, ethyl	1140	1000	ug/L	114	56.0 - 142	126958624
Parathion, ethyl	1260	1000	ug/L	126	56.0 - 142	126958630
Parathion, methyl	991	1000	ug/L	99.1	12.6 - 194	126958610
Parathion, methyl	1070	1000	ug/L	107	12.6 - 194	126958617
Parathion, methyl	1110	1000	ug/L	111	12.6 - 194	126958624
Parathion, methyl	1260	1000	ug/L	126	12.6 - 194	126958630

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Malathion	1144935	602	674	1000	0.100 - 130	60.2	67.4	ug/L	11.3	30.0
Parathion, ethyl	1144935	680	747	1000	0.100 - 122	68.0	74.7	ug/L	9.39	30.0
Parathion, methyl	1144935	625	685	1000	0.100 - 131	62.5	68.5	ug/L	9.16	30.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Tributylphosphate		CCV	1010	2000	ug/L	50.5	0.100 - 106	126958610
Tributylphosphate		CCV	972	2000	ug/L	48.6	0.100 - 106	126958617
Tributylphosphate		CCV	983	2000	ug/L	49.2	0.100 - 106	126958624
Tributylphosphate		CCV	1050	2000	ug/L	52.5	0.100 - 106	126958630
Triphenylphosphate		CCV	971	2000	ug/L	48.6	0.100 - 172	126958610
Triphenylphosphate		CCV	1110	2000	ug/L	55.5	0.100 - 172	126958617
Triphenylphosphate		CCV	1120	2000	ug/L	56.0	0.100 - 172	126958624
Triphenylphosphate		CCV	1140	2000	ug/L	57.0	0.100 - 172	126958630
Tributylphosphate	1144935	Blank	547	2000	ug/L	27.4	0.100 - 106	126958625
Tributylphosphate	1144935	LCS	569	2000	ug/L	28.4	0.100 - 106	126958626
Tributylphosphate	1144935	LCS Dup	653	2000	ug/L	32.6	0.100 - 106	126958627
Triphenylphosphate	1144935	Blank	633	2000	ug/L	31.6	0.100 - 172	126958625
Triphenylphosphate	1144935	LCS	581	2000	ug/L	29.0	0.100 - 172	126958626
Triphenylphosphate	1144935	LCS Dup	632	2000	ug/L	31.6	0.100 - 172	126958627
Tributylphosphate	2348365	Unknown	0.612	1.89	ug/L	32.4	0.100 - 106	126958629
Triphenylphosphate	2348365	Unknown	0.551	1.89	ug/L	29.2	0.100 - 172	126958629

Analytical Set 1145547 — EPA 622

Email: Kilgore.ProjectManagement@spllabs.com

QUALITY CONTROL

TAML-G

Eurofins TestAmerica,Corpus Christi
Lindy Maingot
1733 N. Padre Island Drive
Corpus Christi, TX 78408

Project
1123137

Printed 11/05/2024

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Azinphos-methyl (Guthion)	1144935	ND	0.0001844	0.050	ug/L	126958680
Chlorpyrifos	1144935	ND	0.0904	50.0	ug/L	126958680
Demeton	1144935	ND	0.0001628	0.050	ug/L	126958680
Diazinon	1144935	ND	0.0001728	0.050	ug/L	126958680
Malathion	1144935	ND	0.0001864	0.050	ug/L	126958680
Parathion, ethyl	1144935	ND	0.0001168	0.050	ug/L	126958680
Parathion, methyl	1144935	ND	0.000198	0.050	ug/L	126958680

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Azinphos-methyl (Guthion)	980	1000	ug/L	98.0	37.0 - 150	126958665
Azinphos-methyl (Guthion)	1290	1000	ug/L	129	37.0 - 150	126958672
Azinphos-methyl (Guthion)	1200	1000	ug/L	120	37.0 - 150	126958679
Azinphos-methyl (Guthion)	1380	1000	ug/L	138	37.0 - 150	126958685
Chlorpyrifos	1010	1000	ug/L	101	48.0 - 150	126958665
Chlorpyrifos	1160	1000	ug/L	116	48.0 - 150	126958672
Chlorpyrifos	1150	1000	ug/L	115	48.0 - 150	126958679
Chlorpyrifos	1270	1000	ug/L	127	48.0 - 150	126958685
Demeton	982	1000	ug/L	98.2	16.0 - 150	126958665
Demeton	1150	1000	ug/L	115	16.0 - 150	126958672
Demeton	1110	1000	ug/L	111	16.0 - 150	126958679
Demeton	1280	1000	ug/L	128	16.0 - 150	126958685
Diazinon	983	1000	ug/L	98.3	50.0 - 150	126958665
Diazinon	1060	1000	ug/L	106	50.0 - 150	126958672
Diazinon	1060	1000	ug/L	106	50.0 - 150	126958679
Diazinon	1130	1000	ug/L	113	50.0 - 150	126958685
Malathion	1000	1000	ug/L	100	50.0 - 150	126958665
Malathion	1170	1000	ug/L	117	50.0 - 150	126958672
Malathion	1140	1000	ug/L	114	50.0 - 150	126958679
Malathion	1240	1000	ug/L	124	50.0 - 150	126958685
Parathion, ethyl	989	1000	ug/L	98.9	50.0 - 150	126958665
Parathion, ethyl	1190	1000	ug/L	119	50.0 - 150	126958672
Parathion, ethyl	1140	1000	ug/L	114	50.0 - 150	126958679
Parathion, ethyl	1260	1000	ug/L	126	50.0 - 150	126958685
Parathion, methyl	991	1000	ug/L	99.1	50.0 - 150	126958665
Parathion, methyl	1070	1000	ug/L	107	50.0 - 150	126958672
Parathion, methyl	1110	1000	ug/L	111	50.0 - 150	126958679
Parathion, methyl	1260	1000	ug/L	126	50.0 - 150	126958685

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Azinphos-methyl (Guthion)	1144935	0.627	0.703	1.00	0.100 - 167	62.7	70.3	ug/L	11.4	30.0
Chlorpyrifos	1144935	653	716	1000	0.100 - 128	65.3	71.6	ug/L	9.20	30.0
Demeton	1144935	0.582	0.649	1.00	0.100 - 119	58.2	64.9	ug/L	10.9	30.0
Diazinon	1144935	0.624	0.681	1.00	0.100 - 143	62.4	68.1	ug/L	8.74	30.0

QUALITY CONTROL

TAML-G

Eurofins TestAmerica,Corpus Christi
Lindy Maingot
1733 N. Padre Island Drive
Corpus Christi, TX 78408

Project
1123137

Printed 11/05/2024

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Malathion	1144935	0.602	0.674	1.00	0.100 - 156	60.2	67.4	ug/L	11.3	30.0
Parathion, ethyl	1144935	0.680	0.747	1.00	0.100 - 148	68.0	74.7	ug/L	9.39	30.0
Parathion, methyl	1144935	0.625	0.685	1.00	0.100 - 154	62.5	68.5	ug/L	9.16	30.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Tributylphosphate		CCV	1010	1000	ug/L	101	0.100 - 115	126958665
Tributylphosphate		CCV	972	1000	ug/L	97.2	0.100 - 115	126958672
Tributylphosphate		CCV	983	1000	ug/L	98.3	0.100 - 115	126958679
Tributylphosphate		CCV	1050	1000	ug/L	105	0.100 - 115	126958685
Triphenylphosphate		CCV	971	1000	ug/L	97.1	0.100 - 115	126958665
Triphenylphosphate		CCV	1110	1000	ug/L	111	0.100 - 115	126958672
Triphenylphosphate		CCV	1120	1000	ug/L	112	0.100 - 115	126958679
Triphenylphosphate		CCV	1140	1000	ug/L	114	0.100 - 115	126958685
Tributylphosphate	1144935	Blank	547	1000	ug/L	54.7	0.100 - 115	126958680
Tributylphosphate	1144935	LCS	569	1000	ug/L	56.9	0.100 - 115	126958681
Tributylphosphate	1144935	LCS Dup	653	1000	ug/L	65.3	0.100 - 115	126958682
Triphenylphosphate	1144935	Blank	633	1000	ug/L	63.3	0.100 - 115	126958680
Triphenylphosphate	1144935	LCS	581	1000	ug/L	58.1	0.100 - 115	126958681
Triphenylphosphate	1144935	LCS Dup	632	1000	ug/L	63.2	0.100 - 115	126958682

Analytical Set 1146081 — EPA 632

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Danitol	1144929	180	100	100	ug/L	126974402

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Danitol	1020	1000	ug/L	102	70.0 - 130	126974401
Danitol	1060	1000	ug/L	106	70.0 - 130	126974405
Danitol	1050	1000	ug/L	105	70.0 - 130	126974408

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Danitol	1144929	980	1840	1000	0.100 - 334	98.0	184	ug/L	61.0 *	30.0

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

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); CCV - Continuing Calibration Verification (same standard used to prepare the curve; typically a mid-range concentration; verifies the continued validity of the calibration curve); LCS Dup - Laboratory Control Sample Duplicate (replicate LCS; analyzed when there is insufficient sample for duplicate or MSD; quantifies accuracy and precision.); Surrogate - Surrogate (mimics the analyte of interest but is unlikely to be found in environmental samples; added to analytical samples for QC purposes. **ANSI/ASQC E4 1994 Ref #4 TRADE QA Resources Guide.)

1123137 CoC Print Group 001 of 001

Eu[illegible]ns Corpus Christi
1733 N. Padre Island Drive
Corpus Christi, TX 78408
Phone: 361-289-2471 Fax: 361-289-2673

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Maingot, Lindy	Carrier Tracking No(s): N/A	COC No: 560-30611.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Lindy.Maingot@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 1
Company: Ana-Lab Corporation		Accreditations Required (See note): NELAP - Texas		Job #: 560-122010-1
Address: 2600 Dudley Rd, ,	Due Date Requested: 11/6/2024			Preservation Codes: -
City: Kilgore	TAT Requested (days): N/A			
State, Zip: TX, 75662				
Phone: N/A	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Broadway Final, 10/24/24	Project #: 56009919			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	SUB (627 Guthion, Chlorpyrifos, Demeton, Diazinon (Ana Lab))/ 622 Guthion, Chlorpyrifos, Demeton, Diaz Parathion and Malathion (Ana Lab)/ 614 Parathion and Malathion (Ana Lab)	SUB (632 Dantitol (Ana Lab))/ 632 Dantitol (Ana Lab)	Special Instructions/Note:
Broadway Final (560-122010-1)	10/24/24	06:00 Central	G	Water	X	X	2348305

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:			
Relinquished by:	Date/Time: 10/24/24 1900	Company	Received by: Fed Ex	Date/Time: 10/24/24 1700	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by: Fed Ex	Date/Time: 10/25/24 1031	Company	Received by:	Date/Time: 10/25/24 1030 1030	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		PT 10/25/24

Ver: 10/10/2024


ORIGIN ID:CRPA (361) 289-2672
SHIPPING/RECEIVING
EUROFINS
1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI TX 78408
UNITED STATES US
SHIP DATE: 24OCT24
ACTWGT: 30.65 LB
CAD: 0425844/CAFE3855
BILL SENDER
TO
ANA - L
2600 DU
KILGOR
(361) 289-2673
INV:
PO #:
10/29 1047 RT
Date Time Tech
Temp: 5.7 5.8 C
Therm#: 6443 Corr Fact: 0.1 C
FedEx
Express
TRK# 0201 4114 7160 8098
FRI - 25 OCT 10:30A
PRIORITY OVERNIGHT
AH GGGA
75662
TX-US SHV
Part # 154284-364 RIT EXP 04/25

Eurofins Corpus Christi
1733 N. Padre Island Drive
Corpus Christi, TX 78408
Phone (361) 289-2471 Phone (361) 289-2673

Chain of Custody Record

560-122010 Chain of Custody

eurofins | Environment Testing

Client Information	Sampler	Lab PM: Maingot, Lindy	COC No: 560-50360-8807 1
Client Contact: Crystal Ybanez	Phone:	E-Mail: Lindy.Maingot@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: Water Utilities Laboratory	PWSID:			Job #: 122010
Address: 13101 Leopard St.	Due Date Requested:			
City: Corpus Christi	TAT Requested (days):			
State, Zip: TX, 78410	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Pretreatment			
Email: CrystalY@cctexas.com	WO #:			
Project Name: Broadway Final	Project #: 56009919			
Site: PRETREATMENT	SSOW#:			

Analysis Requested

Preservation Codes:
N None
S H2SO4
HA AscbAcd&HCL
D HNO3

Other: 524.2 - BOTTLES ON ORDER

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Wewater, Sesolid, Owaste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	1631E 1631 E Mercury, Low Level (Canton)	SUBCONTRACT 614 Parathion and Malathion (Ana Lab)	SUBCONTRACT 622 Guthion, Chlorpyrifos, Demeton, Diaz	SUBCONTRACT 632 Danitol (Ana Lab)	3500_CR_B 3500_CR_B Chromium, Hexavalent	524.2_Pres_PREC Trihalomethanes	524.2_TTHM_Sum Total Trihalomethanes Summary	615_MOD 615.2 Herbicides + Hexachlorophene C. 1	608.3 608.3/3511 Pesticides/PCBs C.1 and 2 Lis	353.2 353.2 Nitrogen, Nitrate-Nitrite (Houston	300_ORGFM_28D 300 Fluoride (Houston)	200.8 200.8 Metals (15)	625.1 (MOD) 625.1 C, 1 and 2 SVOCs (Includes N	Total Number of containers	Special Instructions/Note:
			Preservation Code:			N	S	S	S	N	HA	N	N	N	S	N	D	N		
Broadway Final	24OCT24	0600	G	Water		X	X	X	X				X	X	X	X		X		PH-7.4
Broadway Final Field Blank	24OCT24	0600	G	Water		X														
BROADWAY FINAL	24OCT24	0600	C	WATER						X							X			

Loc. 560
122010

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I II III, IV Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
ALFREDO ORACIO GARCIA	24OCT24/0800	CITY OF CC		10/24/24 0800	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 4.3/4.5 CF IR-44

Ver: 05/06/2024

11/5/2024

Eurofins Corpus Christi
1733 N Padre Island Drive
Corpus Christi, TX 78408
Phone: 361-289-2471 Fax: 361-289-2673

Chain of Custody Record

1400 10/24

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Maingot, Lindy	Carrier Tracking No(s): N/A	COC No: 560-30612 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Lindy.Maingot@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP Texas		Job #: 560-122010-1
Address: 180 S. Van Buren Avenue,	Due Date Requested: 11/6/2024			Preservation Codes:
City: Barberton	TAT Requested (days): N/A			
State, Zip: OH 44203				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Broadway Final, 10/24/24	Project #: 56009919			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

LLHG

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1631E/1631E_Prep 1631 E Mercury, Low Level (Canton)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
Broadway Final (560-122010-1)	10/24/24	06:00 Central	G	Water			X	1	
Broadway Final Field Blank (560-122010-2)	10/24/24	06:00 Central	G	Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I II III, IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		10/24/24 1700			10-28-24 945	EC
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ▵ Yes ▵ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Eurofins – Cleveland Sample Receipt Form/Narrative **Login # :**
Barberton Facility

Client Ec Corpus Christi Site Name

Cooler Received on 10-28-24 Opened on 10-28-24

Cooler unpacked by:

FedEx. 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other

Receipt After-hours Drop-off Date/Time Storage Location

Eurofins Cooler # Foam Box Client Cooler Box Other

Packing material used. Bubble Wrap Foam Plastic Bag None Other

COOLANT: Wet Ice Blue Ice Dry Ice (Water) None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # 17 (CF +0.1 °C) Observed Cooler Temp. 14.0 °C Corrected Cooler Temp 14.1 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity	(Yes)	No
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
-Were tamper/custody seals intact and uncompromised?	(Yes)	No NA
3 Shippers' packing slip attached to the cooler(s)?	(Yes)	No
4 Did custody papers accompany the sample(s)?	(Yes)	No
5 Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	(No)
7 Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp(Y/N)?	(Y)	(N)
10 Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11 Sufficient quantity received to perform indicated analyses?	(Yes)	No
12. Are these work share samples and all listed on the COC?	(Yes)	No
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# HC447997
14 Were VOAs on the COC?	Yes	No
15 Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this.	Yes	No NA
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #	Yes	No
17 Was a LL Hg or Me Hg trip blank present?	Yes	No

Tests that are not checked for pH by Receiving:

VOAs
Oil and Grease
TOC

Contacted PM Date by via Verbal Voice Mail Other

Concerning

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Samples processed by:

19 SAMPLE CONDITION

Sample(s) were received after the recommended holding time had expired.

Sample(s) were received in a broken container

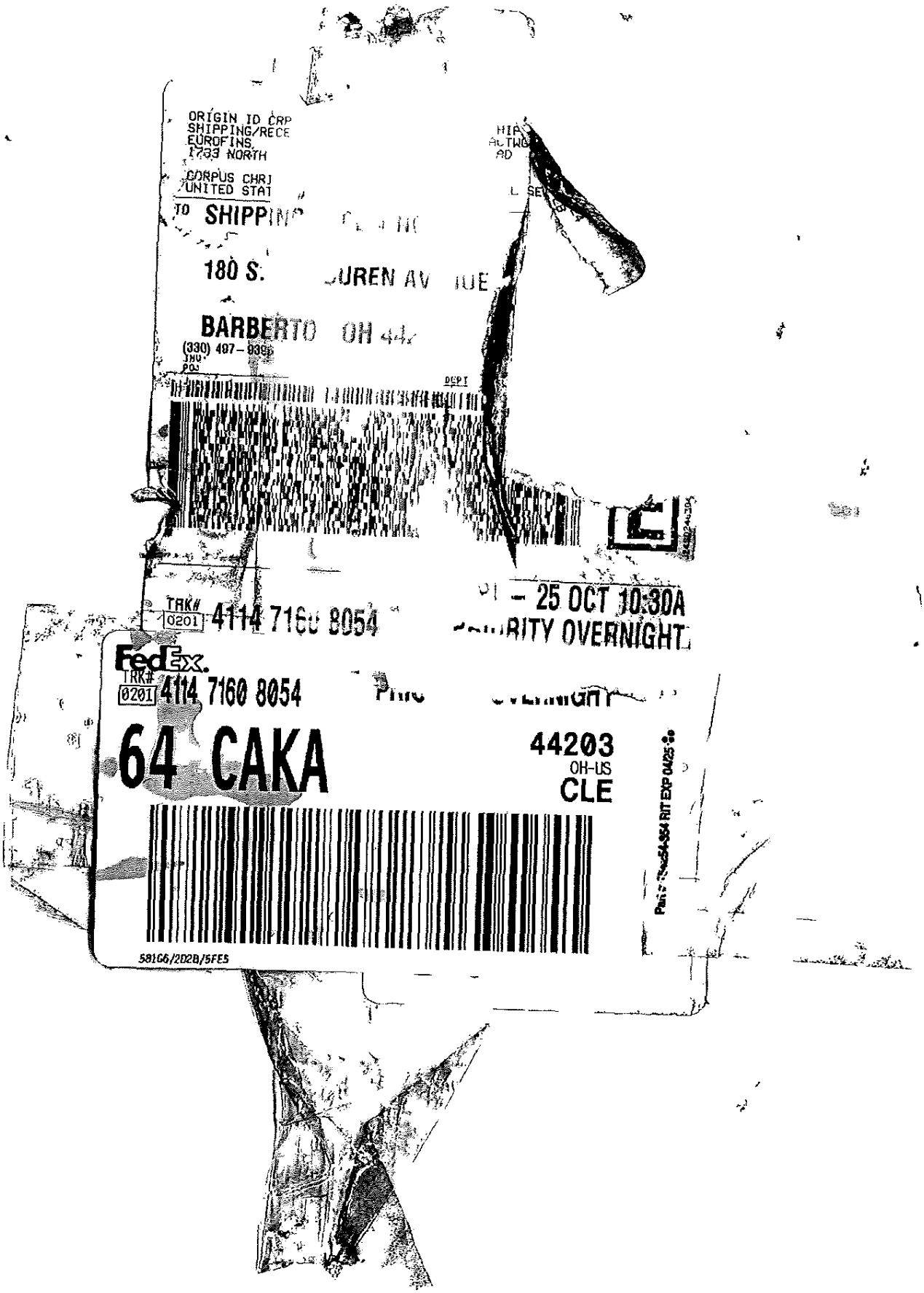
Sample(s) were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) were further preserved in the laboratory

Time preserved. Preservative(s) added/Lot number(s):

VOA Sample Preservation - Date/Time VOAs Frozen.


ORIGIN ID CRP
SHIPPING/RECE
EUROFINS
1733 NORTH
CORPUS CHRI
UNITED STAT
TO SHIPPIN
180 S.
BARBERTO OH 44
(330) 497-939
DEPT
TRK# 0201 4114 7160 8054
25 OCT 10:30A
FedEx.
TRK# 0201 4114 7160 8054
64 CAKA
44203
OH-US
CLE
581G6/202B/5FE5

Login Sample Receipt Checklist

Client: Water Utilities Laboratory

Job Number: 560-122010-1

Login Number: 122010

List Source: Eurofins Corpus Christi

List Number: 1

Creator: Stacy, Taylor

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.

Login Sample Receipt Checklist

Client: Water Utilities Laboratory

Job Number: 560-122010-1

Login Number: 122010
List Number: 2
Creator: Torrez, Lisandra

List Source: Eurofins Houston
List Creation: 10/25/24 08:50 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Corpus Christi Water Department
City of Corpus Christi
Water Utilities Laboratory
13101 Leopard Street
361-826-1200 Fax: 361-242-9131

Analytical Report

Client Info Broadway WWTP
1402 W. Broadway
Corpus Christi, TX 78401

Phone: **EMAIL:** broadwayreports@cctexas.com

Report# /Lab ID#: AC39805 **Report Date:** 9/19/24
Sample Name: EFF
Date Received: 09/05/2024 **Time:** 09:58
Date Sampled: 09/04/2024 **Time:** 06:00

Parameter	Result	Unit	Flag	RL 5	Date/Time Analyzed	Method	Analyst	Analysis Comments
Ammonia by Probe	0.10	mg/L		0.1	9/10/24 08:49	SM 4500 NH3 D -2	FK	
Chloride by Titration	2278	mg/l		10	9/6/24 13:50	SM 4500 Cl-B	VP	
Nitrate by IC	7.6	mg/L	O, H	0.10	9/10/24 10:49	EPA 300.0	EUROFINS	
Nitrite by IC	0.12	mg/L	O, H	0.10	9/10/24 10:49	EPA 300.0	EUROFINS	
Sulfate	170	mg/L	O	0.50	9/10/24 10:49	EPA 300.0	EUROFINS	
Total Alkalinity (to a pH of 4.5)	134	mg/l		20	9/6/24 12:50	SM 2320 B	VM	
Total Dissolved Solids	4212	mg/L	H		9/12/24 11:45	SM 2540 C	VP	
Total Kjeldahl Nitrogen	1.09	mg/L		0.20	9/12/24 09:18	EPA 351.4	FK	
Total Phosphorus	1.7	mg/L			9/5/24 11:15	EPA 365.1	VM	
Total Suspended Solids	2.9	mg/L		2.5	9/9/24 08:47	SM 2540 D	FK, VM	

Sample Comments: SAMPLE WAS RAN WITHIN HOLDING TIME, BUT HAD TO RE ANALYZE SAMPLE DUE TO RESIDUE EXCEDING HIGHER THAN 0.2 RESIDUE.

This analytical report is respectfully submitted by the Water Utilities Laboratory. The enclosed results reflect only the sample(s) identified above. The results have been carefully reviewed and, unless otherwise indicated, meet the NELAC requirements as described by the Water Utilities Lab's QA/QC program. No part of this report shall be reproduced or transmitted in any form or by any means without the written consent of the City of Corpus Christi-Water Utilities Lab.

Respectfully Submitted,

Crystal Ybanez

Technical Director (or designee)

1. Quality assurance data for the sample batch which included this sample.
2. Precision (PREC) is the absolute value of the relative percent difference between duplicate results .
3. Recovery (RECOV) is the percent of analyte recovered from a spiked sample.
4. Laboratory Control Sample (LCS) results are expressed as the percent recovery of analyte.
5. Reporting Limit (RL), typically at or above the Limit of Quantitation (LOQ) of the analytical method.
6. Data Qualifiers:

N=Analysis not performed as per client request. **H**=Sample exceeded holding time. **P**=Analysis is from an unpreserved sample. **J**=Value reported is less than the RL but greater than the MDL .
X=MS/MSD recovery or duplicates analysis exceeded the acceptance limit or Standard failed. **LA**=Lab accident. **LE**=Lab error. **OA**=Outside the scope of the lab's NELAC accreditation.
U=Unsuitable; sample turned turbid after incubation. **T**=Sample below temp requirement; not on ice. **EQ**=Equipment failure. **I**=Information on sample bottle and COC does not match.
S=Slow to filter; sample contains floc and/or large amount of residue on filter. **O**=Analysis performed by an outside NELAC accredited lab; **O^**=Analysis flagged by outside laboratory.
Z=Too many colonies present to provide a result (TNTC). **A**=Value reported is the mean of two or more determinations . **R**=Reagent water contamination suspected. **B**=Sample broken in transit.
NI=Not analyzed due to interferences. **K**=BOD result estimated due to blank exceeding the allowable oxygen depletion. **D**=Sample dilution required for analysis/ quality control.
SC=BOD/CBOD calculated using a seed correction factor not within acceptable range. **QB**=No QC data assigned to sample; sample result not affected.
EL=Oxygen usage is less than 2mg/L for all dilutions analyzed. The reported value is an estimated less than value and is calculated for the dilution containing the greatest concentration of sample.
EG=Less than 1mg/L DO remained for all dilutions analyzed. The reported value is an estimated greater than value and is calculated for the dilution containing the least concentration of sample.
E= The data exceed the upper calibration limit; therefore the concentration is reported as an estimate.

CHAIN OF CUSTODY RECORD

Client Name: BROADWAY WWTP (PRETREATMENT)
Address: 801 RESACA ST.
City: C.C. State: TX Zip: 78401
Phone: (361) 826-4131 Fax: N/A

Send Email report to

Water Utilities Laboratory
13101 Leopard St.
Corpus Christi, TX 78410
Ph: (361) 826-1200
Fax: (361) 242-9131

Sampler (PLEASE PRINT) ALFREDO GARCIA GARCIA

Sample ID	Lab ID# (Lab Use Only)	Date Sampled	Time Sampled	Grab	Composite	Other	No. of Containers/ Preservative: H_2SO_4	HNO_3	Thio	None	Matrix: WW Influent	WW Effluent	Water	Other -Specify	Residual Chlorine: Total mg/L	Free mg/L	Analyze For: CBOD	BOD	TSS	TDS	Ammonia-N	TKN	Chloride	Sulfate	Phosphorus	Nitrate	Nitrite	Total Alkalinity	TOC	Fecal Coliform	Total Coliform	Enterococci	E. coli	Other* HEM
1 EFF	AC39804 #5	4SEP24	0600		X		X					X									X	X			X								
2 EFF	↓	4SEP24	0600		X					X		X					X		X	X			X	X		X	X						
3 EFF	AC39805 #6	5SEP24	0740	X					X			X																				X		
4 EFF	AC39806 #7	5SEP24	0740	X			X					X																						X
5 EFF	AC39804 #5	4SEP24	0600	X						X		X															X						
6																																	

Relinquished By: [signature] Date: 5SEP24 Time: 0958
Received By: Renee [signature] Date: 9/5/24 Time: 0958
Relinquished By: Date: Time:
Received By: Date: Time:

Special Instructions/Comments: PH- 7.8 DISSOLVED OXYGEN - 10.17
FIELD TEST TIME - 0750

***** For Laboratory Use Only *****

Sample(s) on ice: (YES) NO pH Strip Lot/ ID: W28608
Receiving Temp (°C): 4.3 pH < 2? (YES) NO Line(s) #: 1
Corrected Temp (°C): 4.3
Temp. Device ID: A

Corpus Christi Water
CCW
Serving the Coastal Bend

City of Corpus Christi
Water Utilities Laboratory
13101 Leopard Street
361-826-1200 Fax: 361-242-9131

Analytical Report

Client Info Broadway WWTP
1402 W. Broadway
Corpus Christi, TX 78401

Phone:

EMAIL: broadwayreports@cctexas.com

Report# /Lab ID#: AC39806 **Report Date:** 9/6/24
Sample Name: EFF
Date Received: 09/05/2024 **Time:** 09:58
Date Sampled: 09/05/2024 **Time:** 07:40

Parameter	Result	Unit	Flag	RL [5]	Date/Time Analyzed	Method	Analyst	Analysis Comments
Enterococci	2.0	MPN		1.0	9/5/24 14:40	Enterolert	VM/MS	

Sample Comments:

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Respectfully Submitted,

Technical Director (or designee)

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Phone: (361) 826-4131 Fax: N/A

Send Email report to

Water Utilities Laboratory
13101 Leopard St.
Corpus Christi, TX 78410
Ph: (361) 826-1200
Fax: (361) 242-9131

Sampler (PLEASE PRINT) ALFREDO GARCIA GARCIA

Sample ID	Lab ID# (Lab Use Only)	Date Sampled	Time Sampled	Grab	Composite	Other	No. of Containers/ Preservative: H_2SO_4	HNO_3	Thio	None	Matrix: WW Influent	WW Effluent	Water	Other -Specify	Residual Chlorine: Total mg/L	Free mg/L	Analyze For: CBOD	BOD	TSS	TDS	Ammonia-N	TKN	Chloride	Sulfate	Phosphorus	Nitrate	Nitrite	Total Alkalinity	TOC	Fecal Coliform	Total Coliform	Enterococci	E. coli	Other* HEM
1 EFF	AC39804 #5	4SEP24	0600		X		X					X									X	X			X								
2 EFF	↓	4SEP24	0600		X					X		X					X		X	X			X	X		X	X						
3 EFF	AC39805 #6	5SEP24	0740	X					X			X																				X		
4 EFF	AC39806 #7	5SEP24	0740	X			X					X																						X
5 EFF	AC39804 #5	4SEP24	0600	X						X		X																X						
6																																		

Relinquished By: [signature] Date: 5SEP24 Time: 0958
Received By: [signature] Date: 9/5/24 Time: 0958
Relinquished By: Date: Time:
Received By: Date: Time:

Special Instructions/Comments: PH- 7.8 DISSOLVED OXYGEN - 10.17
FIELD TEST TIME - 0750

***** For Laboratory Use Only *****

Sample(s) on ice: (YES) NO pH Strip Lot/ ID: W28608
Receiving Temp (°C): 4.3 pH < 2? (YES) NO Line(s) #: 1
Corrected Temp (°C): 4.3
Temp. Device ID: A

Corpus Christi Water
CCW
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ANALYTICAL REPORT

PREPARED FOR

Attn: Crystal Ybanez
Water Utilities Laboratory
13101 Leopard St.
Corpus Christi, Texas 78410

Generated 11/22/2024 4:08:58 PM

JOB DESCRIPTION

Broadway Final, 10/31/24

JOB NUMBER

560-122179-1

Eurofins Corpus Christi
1733 N. Padre Island Drive
Corpus Christi TX 78408

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated
11/22/2024 4:08:58 PM

Authorized for release by
Lindy Maingot, Project Manager II
Lindy.Maingot@et.eurofinsus.com
(210)344-9751

Definitions/Glossary

Client: Water Utilities Laboratory
Project/Site: Broadway Final, 10/31/24

Job ID: 560-122179-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
560-122179-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The sample was received on 10/31/2024 2:43 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.6°C.

GC/MS VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
Method 4500_CN_I: Reanalysis of the following sample(s) was performed outside of the analytical holding time due to a failing Laboratory Control Spike (LCS) on the initial trial. : Broadway Final (560-122179-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Water Utilities Laboratory
Project/Site: Broadway Final, 10/31/24

Job ID: 560-122179-1

Client Sample ID: Broadway Final **Lab Sample ID: 560-122179-1**

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Water Utilities Laboratory
Project/Site: Broadway Final, 10/31/24

Job ID: 560-122179-1

Client Sample ID: Broadway Final

Date Collected: 10/31/24 13:25
Date Received: 10/31/24 14:43

Lab Sample ID: 560-122179-1

Matrix: Water

Method: EPA-DW 524.2 - Total Trihalomethanes

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trihalomethanes, Total	<0.20		0.50	0.20	ug/L			11/01/24 22:06	1

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	<0.10		0.50	0.10	ug/L			11/01/24 22:06	1
Bromoform	<0.20		0.50	0.20	ug/L			11/01/24 22:06	1
Chloroform	<0.20		0.50	0.20	ug/L			11/01/24 22:06	1
Dibromochloromethane	<0.10		0.50	0.10	ug/L			11/01/24 22:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*11/01/24 22:06*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*11/01/24 22:06*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*11/01/24 22:06*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*89*		*70 - 130*		*11/01/24 22:06*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Weak Acid Dissociable (SM 4500-CN E-2016)	<5.0	H F1	10	5.0	ug/L		11/21/24 18:45	11/22/24 11:48	1

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 810-121051/5
Matrix: Water
Analysis Batch: 121051

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	<0.10		0.50	0.10	ug/L			11/01/24 15:13	1
Bromoform	<0.20		0.50	0.20	ug/L			11/01/24 15:13	1
Chloroform	<0.20		0.50	0.20	ug/L			11/01/24 15:13	1
Dibromochloromethane	<0.10		0.50	0.10	ug/L			11/01/24 15:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*11/01/24 15:13*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*11/01/24 15:13*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*11/01/24 15:13*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*102*		*70 - 130*		*11/01/24 15:13*	*1*

Method: 4500-CN E-2016 - Cyanide, Weak Acid Dissociable

Lab Sample ID: MB 410-578093/2-A
Matrix: Water
Analysis Batch: 578501

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 578093

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Weak Acid Dissociable	<5.0		10	5.0	ug/L		11/21/24 18:45	11/22/24 11:47	1

Lab Sample ID: LCS 410-578093/1-A
Matrix: Water
Analysis Batch: 578501

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 578093

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Weak Acid Dissociable			200	208		ug/L		104	80 - 120		

Lab Sample ID: 560-122179-1 MS
Matrix: Water
Analysis Batch: 578501

Client Sample ID: Broadway Final
Prep Type: Total/NA
Prep Batch: 578093

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Weak Acid Dissociable	<5.0	H F1	200	250		ug/L		125	75 - 125		

Lab Sample ID: 560-122179-1 MSD
Matrix: Water
Analysis Batch: 578501

Client Sample ID: Broadway Final
Prep Type: Total/NA
Prep Batch: 578093

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Weak Acid Dissociable	<5.0	H F1	200	265	F1	ug/L		132	75 - 125	6	20

Accreditation/Certification Summary

Client: Water Utilities Laboratory
Project/Site: Broadway Final, 10/31/24

Job ID: 560-122179-1

Laboratory: Eurofins Eaton Analytical South Bend

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	ISO/IEC 17025	5794.01	07-31-26
Alabama	State	40700	06-30-25
Alaska	State	IN00035	06-30-25
Arizona	State	AZ0432	07-26-25
Arkansas (DW)	State	EPA IN00035	06-30-25
California	State	2920	06-30-25
Colorado	State	IN00035	02-28-25
Connecticut	State	PH-0132	11-10-24
Delaware (DW)	State	IN00035	06-30-25
Florida	NELAP	E87775	06-30-25
Georgia (DW)	State	929	06-30-25
Guam	State	23-011R	07-15-25
Hawaii	State	IN035	06-30-25
Idaho (DW)	State	IN00035	12-31-24
IL Dept. of Public Health (Micro)	State	17767	06-30-25
Illinois	NELAP	200001	09-30-25
Indiana	State	C-71-01	12-31-25
Indiana (Micro)	State	M-76-07	12-31-25
Iowa	State	IA Lab #098	11-01-25
Kansas	NELAP	E-10233	10-31-25
Kentucky (DW)	State	KY90056	12-31-24
Louisiana (DW)	State	LA014	12-31-24
Maine	State	IN00035	11-13-24
Maryland	State	209	06-30-25
Massachusetts	State	M-IN035	06-30-25
MI - RadChem Recognition	State	9926	06-01-25
Michigan	State	9926	12-31-25
Minnesota	NELAP	1989807	11-12-24
Mississippi	State	IN00035	06-30-25
Missouri	State	880	09-30-27
Montana (DW)	State	CERT0026	01-01-25
Nebraska	State	NE-OS-05-04	06-30-25
Nevada	State	IN000352024-01	07-31-25
New Hampshire	NELAP	2124	11-05-24
New Jersey	NELAP	IN598	06-30-25
New Mexico	State	IN00035	06-30-25
New York	NELAP	11398	11-10-24
North Carolina (DW)	State	18700	07-31-25
North Dakota	State	R-035	06-30-24 *
Northern Mariana Islands (DW)	State	IN00035	06-30-25
Ohio	State	87775	06-30-25
Oklahoma	NELAP	D9508	12-31-24
Oregon	NELAP	4156	09-16-25
Pennsylvania	NELAP	68-00466	04-30-25
Puerto Rico	State	IN00035	04-01-25
Rhode Island	State	LAO00343	12-30-24
South Dakota (DW)	State	IN00035	06-30-25
Tennessee	State	TN02973	06-30-25
Texas	NELAP	T104704187-22-16	12-31-24
Texas	TCEQ Water Supply	TX207	06-30-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: Water Utilities Laboratory
Project/Site: Broadway Final, 10/31/24

Job ID: 560-122179-1

Laboratory: Eurofins Eaton Analytical South Bend (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
USEPA UCMR 5	US Federal Programs	IN00035	12-31-25
Utah	NELAP	IN00035	07-31-25
Vermont	State	VT-8775	11-14-24
Virginia	NELAP	460275	03-14-25
Washington	State	C837	01-01-25
West Virginia (DW)	State	9927 C	11-14-24
Wisconsin	State	999766900	08-31-25
Wisconsin (Micro)	State	10121	12-31-24
Wyoming	State	8TMS-L	06-30-25

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	11-30-26
A2LA	Dept. of Energy	0001.01	11-30-26
A2LA	ISO/IEC 17025	0001.01	11-30-26
Alabama	State	43200	01-31-25
Alaska	State	PA00009	06-30-25
Alaska (UST)	State	17-027	02-28-25
Arizona	State	AZ0780	03-12-25
Arkansas DEQ	State	88-00660	08-09-25
California	State	2792	11-30-24
Colorado	State	PA00009	06-30-25
Connecticut	State	PH-0746	06-30-25
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-25
Delaware (DW)	State	N/A	01-31-25
Florida	NELAP	E87997	06-30-25
Georgia (DW)	State	C048	01-31-25
Hawaii	State	N/A	01-31-25
Illinois	NELAP	200027	01-31-25
Iowa	State	361	03-01-26
Kansas	NELAP	E-10151	10-31-25
Kentucky (DW)	State	KY90088	12-31-24
Kentucky (UST)	State	0001.01	11-30-26
Kentucky (WW)	State	KY90088	12-31-24
Louisiana (All)	NELAP	02055	06-30-25
Maine	State	2019012	03-12-25
Maryland	State	100	06-30-25
Massachusetts	State	M-PA009	06-30-25
Michigan	State	9930	01-31-25
Minnesota	NELAP	042-999-487	12-31-24
Mississippi	State	023	01-31-25
Missouri	State	450	01-31-25
Montana (DW)	State	0098	01-01-25
Nebraska	State	NE-OS-32-17	01-31-25
New Hampshire	NELAP	2730	01-10-25
New Jersey	NELAP	PA011	06-30-25
New York	NELAP	10670	04-01-25
North Carolina (DW)	State	42705	07-31-25

Accreditation/Certification Summary

Client: Water Utilities Laboratory
Project/Site: Broadway Final, 10/31/24

Job ID: 560-122179-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
North Carolina (WW/SW)	State	521	12-31-25
North Dakota	State	R-205	01-31-24 *
Oklahoma	NELAP	9804	08-31-24 *
Oregon	NELAP	PA200001	09-11-25
Pennsylvania	NELAP	36-00037	01-31-25
Quebec Ministry of Environment and Fight against Climate Change	PALA	507	09-16-29
Rhode Island	State	LAO00338	12-30-24
South Carolina	State	89002	01-31-25
Tennessee	State	02838	01-31-25
Texas	NELAP	T104704194-23-46	08-31-25
USDA	US Federal Programs	525-22-298-19481	10-25-25
Vermont	State	VT - 36037	10-28-25
Virginia	NELAP	460182	06-14-25
Washington	State	C457	04-11-25
West Virginia (DW)	State	9906 C	01-31-25
West Virginia DEP	State	055	07-31-25
Wyoming	State	8TMS-L	01-31-25
Wyoming (UST)	A2LA	0001.01	11-30-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Water Utilities Laboratory
Project/Site: Broadway Final, 10/31/24

Job ID: 560-122179-1

Method	Method Description	Protocol	Laboratory
524.2	Total Trihalomethanes	EPA-DW	EA SB
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	EA SB
4500-CN E-2016	Cyanide, Weak Acid Dissociable	SM	ELLE
4500 CN I-2016	Cyanide, Distillation for Weak Acid Dissociable	SM	ELLE

Protocol References:

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EA SB = Eurofins Eaton Analytical South Bend, 110 S Hill Street, South Bend, IN 46617, TEL (574)233-4777

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Water Utilities Laboratory
Project/Site: Broadway Final, 10/31/24

Job ID: 560-122179-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
560-122179-1	Broadway Final	Water	10/31/24 13:25	10/31/24 14:43

Eurofins Corpus Christi
1733 N. Padre Island Drive
Corpus Christi, TX 78408
Phone (361) 289-2471 Phone (361) 289-2673

Chain of Custody Record

560-122179 Chain of Custody

eurofins | Environment Testing

Client Information	Sampler	Lab PM: Maingot, Lindy	COC No: 560-50360-8807 1
Client Contact: Crystal Ybanez	Phone:	E-Mail: Lindy.Maingot@et.eurofinsus.com	Page: Page 1 of 2
Company: Water Utilities Laboratory	PWSID:	Analysis Requested	Job #: 122179
Address: 13101 Leopard St.	Due Date Requested:		Preservation Codes: N None; S H2SO4; HA - AscbAcd&HCL; D HNO3
City: Corpus Christi	TAT Requested (days):		
State, Zip: TX, 78410	Compliance Project: Δ Yes Δ No		
Phone:	PO #: Pretreatment		
Email: CrystalY@cctexas.com	WO #:		
Project Name: Broadway Final	Project #: 56009919		
Site: PRETREATMENT	SSOW#:		Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	524.2_Pres_PREC Trihalomethanes	524.2_TTHM_Sum Total Trihalomethanes Summary	4500_CN_I 4500_CN_I Cyanide, Weak Acid Dissociabl	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
Broadway Final	31OCT24	1335	G	Water		X	X	X		PH-69

Loc 560
122179

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I II III, IV Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: ALFREDO GARCIA JUNIOR	Date/Time: 1442 / 31OCT24	Company: CITY OF CC-TX	Received by:	Date/Time: 10/31/24 1443	Company: ET
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 1.4/1.6 CF IR-14

Ver: 05/06/2024

11/22/2024

Eurofins Corpus Christi
1733 N. Padre Island Drive
Corpus Christi, TX 78408
Phone: 361-289-2471 Fax: 361-289-2673

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Maingot, Lindy	Carrier Tracking No(s): N/A	COC No: 560-30647.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Lindy.Maingot@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP - Texas		Job #: 560-122179-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 11/14/2024			Preservation Codes: -
City: Lancaster	TAT Requested (days): N/A			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Broadway Final, 10/31/24	Project #: 56009919			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	4500_CN_U4500_CN_I_Prep 4500_CN_I Cyanide, Weak Acid Dissociabl	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
Broadway Final (560-122179-1)	10/31/24	13:25 Central	G	Water			X		

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
FRC	10/31/24 1700	ET			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 11/1/24 10:00	Company ECET

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: C: 1.8

Eurofins Corpus Christi
1733 N. Padre Island Drive
Corpus Christi, TX 78408
Phone: 361-289-2471 Fax: 361-289-2673

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Maingot, Lindy	Carrier Tracking No(s): N/A	COC No: 560-30645.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Lindy.Maingot@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 1
Company: Eurofins Eaton Analytical		Accreditations Required (See note): NELAP - Texas		Job #: 560-122179-1
Address: 110 S Hill Street,	Due Date Requested: 11/12/2024			Preservation Codes:
City: South Bend	TAT Requested (days): N/A			
State, Zip: IN, 46617				
Phone: 574-233-4777(Tel) 574-233-8207(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Broadway Final, 10/31/24	Project #: 56009919			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Perform MS/MSD (Yes or No)	Field Filtered Sample (Yes or No)	524.2_Pres_PREC/ Trihalomethanes	524.2_TTHM_Sum/ Total Trihalomethanes - Summary	Special Instructions/Note:
			Preservation Code:						
Broadway Final (560-122179-1)	10/31/24	13:25 Central	G	Water			X	X	

1.8
Initial Temp: 1.2
Corrected Temp:
IR Gun # 18

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: FAL	Date/Time: 10/31/24 1700	Company: Ft	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: RT	Date/Time: 11-1-24 0900	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: WET

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Water Utilities Laboratory

Job Number: 560-122179-1

Login Number: 122179

List Source: Eurofins Corpus Christi

List Number: 1

Creator: Stacy, Taylor

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.

Login Sample Receipt Checklist

Client: Water Utilities Laboratory

Job Number: 560-122179-1

Login Number: 122179
List Number: 2
Creator: DePriest, Kellie

List Source: Eurofins Eaton Analytical South Bend
List Creation: 11/01/24 11:32 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Samples do not require splitting or compositing.	True	
Container provided by EEA	True	

Login Sample Receipt Checklist

Client: Water Utilities Laboratory

Job Number: 560-122179-1

Login Number: 122179
List Number: 3
Creator: Arroyo, Haley

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 11/01/24 11:45 AM

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

City of Corpus Christi
Water Utilities Laboratory
13101 Leopard Street
361-826-1200 Fax: 361-242-9131

Analytical Report

Client Info Broadway WWTP
1402 W. Broadway
Corpus Christi, TX 78401

Phone: **EMAIL:** broadwayreports@cctexas.com

Report# /Lab ID#: AC39807 **Report Date:** 9/11/24
Sample Name: EFF
Date Received: 09/05/2024 **Time:** 09:58
Date Sampled: 09/05/2024 **Time:** 07:40

Parameter	Result	Unit	Flag	RL 5	Date/Time Analyzed	Method	Analyst	Analysis Comments
Oil and Grease	4.0	mg/l	K,J	5.0	9/10/24 08:26	EPA 1664 B	FK/VP	

Sample Comments:

This analytical report is respectfully submitted by the Water Utilities Laboratory. The enclosed results reflect only the sample(s) identified above. The results have been carefully reviewed and, unless otherwise indicated, meet the NELAC requirements as described by the Water Utilities Lab's QA/QC program. No part of this report shall be reproduced or transmitted in any form or by any means without the written consent of the City of Corpus Christi-Water Utilities Lab.

Respectfully Submitted,

Technical Director (or designee)

1. Quality assurance data for the sample batch which included this sample.
2. Precision (PREC) is the absolute value of the relative percent difference between duplicate results .
3. Recovery (RECOV) is the percent of analyte recovered from a spiked sample.
4. Laboratory Control Sample (LCS) results are expressed as the percent recovery of analyte.
5. Reporting Limit (RL), typically at or above the Limit of Quantitation (LOQ) of the analytical method.
6. Data Qualifiers:

N=Analysis not performed as per client request. **H**=Sample exceeded holding time. **P**=Analysis is from an unpreserved sample. **J**=Value reported is less than the RL but greater than the MDL.
X=MS/MSD recovery or duplicates analysis exceeded the acceptance limit or Standard failed. **LA**=Lab accident. **LE**=Lab error. **OA**=Outside the scope of the lab's NELAC accreditation.
U=Unsuitable; sample turned turbid after incubation. **T**=Sample below temp requirement; not on ice. **EQ**=Equipment failure. **I**=Information on sample bottle and COC does not match.
S=Slow to filter; sample contains floc and/or large amount of residue on filter. **O**=Analysis performed by an outside NELAC accredited lab; **O^**=Analysis flagged by outside laboratory.
Z=Too many colonies present to provide a result (TNTC). **A**=Value reported is the mean of two or more determinations. **R**=Reagent water contamination suspected. **B**=Sample broken in transit.
NI=Not analyzed due to interferences. **K**=BOD result estimated due to blank exceeding the allowable oxygen depletion. **D**=Sample dilution required for analysis/ quality control.
SC=BOD/CBOD calculated using a seed correction factor not within acceptable range. **QB**=No QC data assigned to sample; sample result not affected.
EL=Oxygen usage is less than 2mg/L for all dilutions analyzed. The reported value is an estimated less than value and is calculated for the dilution containing the greatest concentration of sample.
EG=Less than 1mg/L DO remained for all dilutions analyzed. The reported value is an estimated greater than value and is calculated for the dilution containing the least concentration of sample.
E= The data exceed the upper calibration limit; therefore the concentration is reported as an estimate.

CHAIN OF CUSTODY RECORD

Client Name: BROADWAY WWTP (PRETREATMENT)
Address: 801 RESACA ST.
City: C.C. State: TX Zip: 78401
Phone: (361) 826-4131 Fax: N/A

Send Email report to

Water Utilities Laboratory
13101 Leopard St.
Corpus Christi, TX 78410
Ph: (361) 826-1200
Fax: (361) 242-9131

Sampler (PLEASE PRINT) ALFREDO GARCIA GARCIA

Sample ID	Lab ID# (Lab Use Only)	Date Sampled	Time Sampled	Grab	Composite	Other	No. of Containers/ Preservative: H_2SO_4	HNO_3	Thio	None	Matrix: WW Influent	WW Effluent	Water	Other -Specify	Residual Chlorine: Total mg/L	Free mg/L	Analyze For: CBOD	BOD	TSS	TDS	Ammonia-N	TKN	Chloride	Sulfate	Phosphorus	Nitrate	Nitrite	Total Alkalinity	TOC	Fecal Coliform	Total Coliform	Enterococci	E. coli	Other* HEM
1 EFF	AC39804 #5	4SEP24	0600		X		X					X									X	X			X								
2 EFF	↓	4SEP24	0600		X					X		X					X		X	X			X	X		X	X						
3 EFF	AC39805 #6	5SEP24	0740	X					X			X																				X		
4 EFF	AC39806 #7	5SEP24	0740	X			X					X																						X
5 EFF	AC39804 #5	4SEP24	0600	X						X		X																X						
6																																		

Relinquished By: [signature] Date: 5SEP24 Time: 0958
Received By: [signature] Date: 9/5/24 Time: 0958
Relinquished By: Date: Time:
Received By: Date: Time:

Special Instructions/Comments: PH- 7.8 DISSOLVED OXYGEN - 10.17
FIELD TEST TIME - 0750

***** For Laboratory Use Only *****

Sample(s) on ice: (YES) NO pH Strip Lot/ ID: W28608
Receiving Temp (°C): 4.3 pH < 2? (YES) NO Line(s) #: 1
Corrected Temp (°C): 4.3
Temp. Device ID: A

Corpus Christi Water
CCW
Serving the Coastal Bend

ATTACHMENT J

List of Facility Operators
Tech Rpt 1.0, Section 8

ATTACHMENT J
CITY OF CORPUS CHRISTI
NEW BROADWAY WASTEWATER TREATMENT FACILITY
TPDES PERMIT RENEWAL APPLICATION
LIST OF FACILITY OPERATORS

Name	Classification	License Number
Cookus, Charles William	A	WW0053335
Ordaz, Johnny	B	WW0074427
Garcia, Justin	C	WW0077294
Torres, Enrique	C	WW0076145
Estrada, Matthew Quinten	C	WW0076115
Hinson, Jonathon C	C	WW0070997
Mendez, Robert G	C	WW0013076
Martinez, Adrian	C	WW0074784
Rodriguez, Daniel J	C	WW0069324
Murphy, Caleb J	C	WW0073176
Ibarra, Abigail N	D	WW0076578

ATTACHMENT K

Summary of WET Test Results
Wks 5.0, Section 1 & 3

ATTACHMENT K
CITY OF CORPUS CHRISTI
NEW BROADWAY WASTEWATER TREATMENT PLANT
TPDES PERMIT RENEWAL APPLICATION
SUMMARY OF WET TEST RESULTS

7-DAY CHRONIC TEST RESULTS

Test Date	Test Species	NOEC Survival	NOEC Growth
1/17/2017	*Americamysis bahia*	11% Effluent	11% Effluent
1/17/2017	*Menidia berryllina*	11% Effluent	11% Effluent
4/4/2017	*Americamysis bahia*	11% Effluent	11% Effluent
4/4/2017	*Menidia berryllina*	11% Effluent	11% Effluent
7/18/2017	*Americamysis bahia*	11% Effluent	11% Effluent
7/18/2017	*Menidia berryllina*	11% Effluent	11% Effluent
10/10/2017	*Americamysis bahia*	11% Effluent	11% Effluent
10/10/2017	*Menidia berryllina*	11% Effluent	11% Effluent
1/16/2018	*Americamysis bahia*	11% Effluent	11% Effluent
1/16/2018	*Menidia berryllina*	11% Effluent	11% Effluent
10/30/2018	*Americamysis bahia*	11% Effluent	11% Effluent
2/26/2019	*Americamysis bahia*	11% Effluent	11% Effluent
2/26/2019	*Menidia berryllina*	11% Effluent	11% Effluent
7/23/2019	*Americamysis bahia*	11% Effluent	11% Effluent
2/25/2020	*Americamysis bahia*	11% Effluent	11% Effluent
2/25/2020	*Menidia berryllina*	11% Effluent	11% Effluent
7/14/2020	*Americamysis bahia*	11% Effluent	11% Effluent
12/8/2020	*Americamysis bahia*	85% Effluent	85% Effluent
12/8/2020	*Menidia berryllina*	85% Effluent	85% Effluent
2/9/2021	*Americamysis bahia*	85% Effluent	85% Effluent
2/9/2021	*Menidia berryllina*	85% Effluent	85% Effluent
6/24/2021	*Americamysis bahia*	85% Effluent	85% Effluent
6/24/2021	*Menidia berryllina*	85% Effluent	85% Effluent
7/27/2021	*Americamysis bahia*	85% Effluent	85% Effluent
7/27/2021	*Menidia berryllina*	85% Effluent	85% Effluent
2/8/2022	*Americamysis bahia*	85% Effluent	85% Effluent
2/8/2022	*Menidia berryllina*	85% Effluent	85% Effluent
7/12/2022	*Americamysis bahia*	85% Effluent	85% Effluent
3/28/2023	*Americamysis bahia*	85% Effluent	85% Effluent
3/28/2023	*Menidia berryllina*	85% Effluent	85% Effluent
8/22/2023	*Americamysis bahia*	85% Effluent	85% Effluent
2/6/2024	*Americamysis bahia*	85% Effluent	85% Effluent
2/6/2024	*Menidia berryllina*	85% Effluent	85% Effluent
8/20/2024	*Americamysis bahia*	85% Effluent	85% Effluent

ATTACHMENT K
CITY OF CORPUS CHRISTI
NEW BROADWAY WASTEWATER TREATMENT PLANT
TPDES PERMIT RENEWAL APPLICATION
SUMMARY OF WET TEST RESULTS

24-HOUR ACUTE TEST RESULT

Test Date	Test Species	NOEC Survival
1/17/2017	*Americamysis bahia*	100% Effluent
1/17/2017	*Menidia berryllina*	100% Effluent
7/18/2017	*Americamysis bahia*	100% Effluent
7/18/2017	*Menidia berryllina*	100% Effluent
1/16/2018	*Americamysis bahia*	100% Effluent
1/16/2018	*Menidia berryllina*	100% Effluent
10/30/2018	*Americamysis bahia*	100% Effluent
10/30/2018	*Menidia berryllina*	100% Effluent
2/26/2019	*Americamysis bahia*	100% Effluent
2/26/2019	*Menidia berryllina*	100% Effluent
7/23/2019	*Americamysis bahia*	100% Effluent
7/23/2019	*Menidia berryllina*	100% Effluent
2/27/2020	*Americamysis bahia*	100% Effluent
2/27/2020	*Menidia berryllina*	100% Effluent
7/14/2020	*Americamysis bahia*	100% Effluent
7/14/2020	*Menidia berryllina*	100% Effluent
2/9/2021	*Americamysis bahia*	100% Effluent
2/9/2021	*Menidia berryllina*	100% Effluent
7/27/2021	*Americamysis bahia*	100% Effluent
7/27/2021	*Menidia berryllina*	100% Effluent
2/8/2022	*Americamysis bahia*	100% Effluent
2/8/2022	*Menidia berryllina*	100% Effluent
7/12/2022	*Americamysis bahia*	100% Effluent
7/12/2022	*Menidia berryllina*	100% Effluent
3/28/2023	*Americamysis bahia*	100% Effluent
3/28/2023	*Menidia berryllina*	100% Effluent
8/22/2023	*Americamysis bahia*	100% Effluent
8/22/2023	*Menidia berryllina*	100% Effluent
2/6/2024	*Americamysis bahia*	100% Effluent
2/6/2024	*Menidia berryllina*	100% Effluent
8/20/2024	*Americamysis bahia*	100% Effluent

ATTACHMENT L

Effluent Parameters Above the MAL
Wks 6.0, Section 2.C

ATTACHMENT L
CITY OF CORPUS CHRISTI
NEW BROADWAY WASTEWATER TREATMENT FACILITY
TPDES PERMIT RENEWAL APPLICATION
EFFLUENT PARAMETERS ABOVE THE MAL

Pollutant	Concentration	MAL	Units	Date
Aluminum	19	2.5	µg/L	10/24/2024
Aluminum	20	2.5	µg/L	1/15/2025
Aluminum	24	2.5	µg/L	1/17/2025
Aluminum	25	2.5	µg/L	1/21/2025
Arsenic	8.1	0.5	µg/L	10/24/2024
Arsenic	5.4	0.5	µg/L	1/15/2025
Arsenic	4.1	0.5	µg/L	1/17/2025
Arsenic	4.2	0.5	µg/L	1/21/2025
Barium	94	3	µg/L	10/24/2024
Barium	88	3	µg/L	1/15/2025
Barium	72	3	µg/L	1/17/2025
Barium	75	3	µg/L	1/21/2025
Chromium	3.3	3	µg/L	1/17/2025
Copper	28	2	µg/L	10/24/2024
Copper	23	2	µg/L	1/15/2025
Copper	15	2	µg/L	1/17/2025
Copper	16	2	µg/L	1/21/2025
Nickel	8.5	2	µg/L	10/24/2024
Nickel	12	2	µg/L	1/15/2025
Nickel	9.2	2	µg/L	1/17/2025
Nickel	7.3	2	µg/L	1/21/2025
Nitrate-Nitrogen	180	100	µg/L	10/24/2024
Selenium	28	5	µg/L	10/24/2024
Selenium	16	5	µg/L	1/15/2025
Selenium	13	5	µg/L	1/17/2025
Selenium	13	5	µg/L	1/21/2025
Zinc	28	5	µg/L	10/24/2024
Zinc	41	5	µg/L	1/15/2025
Zinc	31	5	µg/L	1/17/2025
Zinc	22	5	µg/L	1/21/2025

Rainee Trevino

From: Garoutte, Alexandra <ahughes@plummer.com>
Sent: Tuesday, March 18, 2025 11:50 AM
To: Rainee Trevino
Cc: Earl Richardson; Lewis, Ashley
Subject: Application to Renew Permit No. WQ0010401005-Notice of Deficiency Letter
Attachments: 20250314_NOD Response Ltr_Compiled.pdf; Enc C_Spanish NORI_New Broadway.docx

Categories: NOD Response Review

Good afternoon,

Please see the attached response to the Notice of Deficiency Letter dated March 13, 2025, for the City of Corpus Christi's New Broadway Wastewater Treatment Facility. Please let me know if you have any questions.

Thank you,

PLUMMER

Alexandra Garoutte
Scientist in Training III

8911 N Capital of Texas Hwy, Ste 1250
Austin, Texas 78759
P: 512.452.5905
D: 737.304.7204

www.plummer.com

PLUMMER

0537-062-01

March 18, 2025

Ms. Rainee Trevino
Texas Commission on Environmental Quality
Applications Review and Processing Team
Building F, Room 2101
12100 Park 35 Circle
Austin, Texas 78753

Re: Application to Renew Permit No. WQ0010401005
City of Corpus Christi (CN600131858)
New Broadway Wastewater Treatment Facility (RN101610186)

Dear Ms. Trevino:

On behalf of the City of Corpus Christi, Plummer Associates, Inc. (Plummer) provides the following responses to your Notice of Deficiency (NOD) letter dated March 13, 2025, regarding the application to renew the Texas Pollutant Discharge Elimination System (TPDES) permit for the above-referenced facility. The responses are provided in the order presented in your NOD letter. A copy of your NOD letter is provided as Enclosure A.

1. **Delinquent Fees:** The City of Corpus Christi's delinquent fee of $168.00 was paid on March 18, 2025 via ePay. A copy of the ePay voucher is included as Enclosure B.
2. **Notice of Receipt of Application and Intent to Obtain a Water Quality Permit (NORI):** Plummer has reviewed the proposed NORI language; no revisions are requested to the proposed language at this time.
3. **Spanish NORI**: The translated Spanish NORI is provided as Enclosure C.

Please feel free to contact me at alewis@plummer.com or (512) 687-2154, if you have any questions regarding this submittal.

Sincerely,

PLUMMER
TBPE Firm Registration No. F-13

Ashley Lewis
Water Quality/Permitting Team Leader

Enclosures (3)

cc: Mr. Earl Richardson, Wastewater Treatment Plant Manager, City of Corpus Christi

8911 N Capital of TX Hwy
Bldg 1 – Ste 1250
Austin, Texas 78752
Phone 512.452.5905
plummer.com
TBPE Firm No. 13

ENCLOSURE B
Delinquent Fee Payment

Your transaction is complete. Thank you for using TCEQ ePay.

Note: It may take up to 3 working days for this electronic payment to be processed and be reflected in the TCEQ ePay system. Print this receipt and the vouchers for your records. An email receipt has also been sent.

Transaction Information

Trace Number:	582EA000659840
Date:	03/18/2025 09:55 AM
Payment Method:	CC - Authorization 0000005761
ePay Actor:	EARL RICHARDSON
Actor Email:	earlri@cctexas.com
IP:	64.201.138.246
TCEQ Amount:	$168.00
Texas.gov Price:	$172.04*

* This service is provided by Texas.gov, the official website of Texas. The price of this service includes funds that support the ongoing operations and enhancements of Texas.gov, which is provided by a third party in partnership with the State.

Payment Contact Information

Name:	EARL RICHARDSON
Company:	CITY OF CORPUS CHRISTI - CCWATER
Address:	2726 HOLLY RD, CORPUS CHRISTI, TX 78415
Phone:	361-826-1848

Cart Items

Click on the voucher number to see the voucher details.

Voucher	Fee Description	AR Number	Amount
758041	WATER USE ASSESSMENT FEE (PREVIOUSLY PART OF 3376, WQA)	0609949R	$168.00
		TCEQ Amount:	$168.00

ePay Again | Exit ePay

Note: It may take up to 3 working days for this electronic payment to be processed and be reflected in the TCEQ ePay system. Print this receipt for your records.

ENCLOSURE C
Spanish NORI

Comisión de Calidad Ambiental del Estado de Texas

AVISO DE RECIBO DE LA SOLICITUD Y
EL INTENTO DE OBTENER PERMISO PARA LA CALIDAD DEL AGUA
RENOVACION

PERMISO NO. WQ0010401005

SOLICITUD. La Ciudad de Corpus Christi ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0010401005 (EPA I.D. No. TX 0047066) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 8,000,000 galones por día. La planta está ubicada 1402 W Broadway St en el Condado de Nueces, Texas. La ruta de descarga es del sitio de la planta a vía el emisario 001 directamente al puerto interior de Corpus Christi y vía el emisario 002 a Salt Flats Ditch, de allí al puerto interior de Corpus Christi. La TCEQ recibió esta solicitud el 4 de marzo de 2025. La solicitud para el permiso estará disponible para leerla y copiarla en 2726 Holly Road, Corpus Christi, en el Condado de Nueces antes de la fecha de publicación de este aviso en el periódico. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.
https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.400204,27.804149&level=18

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

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

OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO CONTENCIOSO. Después del plazo para presentar comentarios públicos, el Director Ejecutivo considerará todos los comentarios apropiados y preparará una respuesta a todo los comentarios públicos esenciales, pertinentes, o significativos. **A menos que la solicitud haya sido referida**

directamente a una audiencia administrativa de lo contencioso, la respuesta a los comentarios y la decisión del Director Ejecutivo sobre la solicitud serán enviados por correo a todos los que presentaron un comentario público y a las personas que están en la lista para recibir avisos sobre esta solicitud. Si se reciben comentarios, el aviso también proveerá instrucciones para pedir una reconsideración de la decisión del Director Ejecutivo y para pedir una audiencia administrativa de lo contencioso. Una audiencia administrativa de lo contencioso es un procedimiento legal similar a un procedimiento legal civil en un tribunal de distrito del estado.

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

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

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

CONTACTOS E INFORMACIÓN A LA AGENCIA. Todos los comentarios públicos y solicitudes deben ser presentadas electrónicamente vía

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

También se puede obtener información adicional del la Ciudad de Corpus Christi a la dirección indicada arriba o llamando a Earl Richardson al 361-826-1848.

Fecha de emission: