



# Administrative Package Cover Page

**This file contains the following documents:**

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



# Portada de Paquete Administrativo

**Este archivo contiene los siguientes documentos:**

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



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

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

Applicants should use this template to develop a plain language summary of your facility and application as required by Title 30, Texas Administrative Code (30 TAC), Chapter 39, Subchapter H. You may modify the template as necessary to accurately describe your 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 you 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. After filling in the information for your facility delete these instructions.

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.*

San Antonio River Authority (CN600790620) operates Salitrillo Creek Wastewater Treatment Plant (RN101514560), a wastewater treatment facility. The facility is located at 9638 Schaefer Road, in Converse, Bexar County, Texas 78109. The application request is for a renewal to discharge 7,330,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD<sub>5</sub>), total suspended solids (TSS), ammonia nitrogen (NH<sub>3</sub>-N) and Escherichia coli (E.coli). Domestic wastewater is treated by mechanical bar screen, aeration basins, final clarifiers and ultraviolet light disinfection. .



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

### AGUAS RESIDUALES DOMESTICAS /AGUAS PLUVIALES

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

San Antonio River Authority (CN600790620) opera Salitrillo Creek Wastewater Treatment Plant (RN101514560), una instalacion de tratamiento de aguas residuales. La instalación está ubicada en 9638 Schaefer Road, en Converse, Condado de Bexar, Texas 78109. Esta solicitud es para una renovacion para descargar 7,330,000 galones por dia de aguas resisduales domesticas tratadas .

Se espera que las descargas de la instalación contengan cinco-dia demanda bioquímica carbonosa de oxígeno (CBOD<sub>5</sub>), solidos totalmente suspendidos (TSS), nitrogeno ammoniacal (NH<sub>3</sub>-N y Escherichia coli (E.coli). Aguas residuales domesticas. **está** tratado por reja mecanica, tanques de aireacion, clarificadores finales y desinfeccion ultravioleta.

# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

**PERMIT NO. WQ0010749001**

**APPLICATION.** San Antonio River Authority, 100 East Guenther Street, San Antonio, Texas 78204, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0010749001 (EPA I.D. No. TX0053074) to authorize the discharge of treated wastewater at a volume not to exceed an annual average flow of 7,330,000 gallons per day. The domestic wastewater treatment facility is located at 9638 Schaefer Road, in the city of Converse, in Bexar County, Texas 78109. The discharge route is from the plant site to an unnamed ditch, thence to Salitrillo Creek, thence to Martinez Creek Soil Conservation Service Dam No. 6A Reservoir, thence to Salitrillo Creek, thence to Martinez Creek, thence to Lower Cibolo Creek. TCEQ received this application on February 4, 2025. The permit application will be available for viewing and copying at San Antonio River Authority Utilities Administration Building, Front Desk, 1720 Farm-to-Market Road 1516 North, Converse, in Bexar 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=-98.298611,29.508611&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](http://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](http://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 San Antonio River Authority at the address stated above or by calling Mr. Ernest Munoz, Quality Control Operator, at 210-302-4200.

Issuance Date: February 26, 2025

# Comisión de Calidad Ambiental del Estado de Texas



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

**PERMISO NO. WQ0010749001**

**SOLICITUD.** San Antonio River Authority, 100 East Guenther Street, San Antonio, TX 78204, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0010749001 (EPA I.D. No. TX0053074) 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 7,330,000 galones por día. La planta está ubicada en 9638 Schaefer Road, en la ciudad de Converse, en el Condado de Bexar, Texas. La ruta de descarga es del sitio de la planta a una zanja sin nombre, de allí a Salitrillo Creek, de allí a Martinez Creek Soil Conservation Service Dam No. 6A Reservoir, de allí a Salitrillo Creek, de allí a Martinez Creek, de allí a Lower Cibolo Creek. La TCEQ recibió esta solicitud el 4 de febrero, 2025. La solicitud para el permiso estará disponible para leerla y copiarla en la recepción de San Antonio River Authority Utilities Administration Building, 1720 Farm-to-Market Road 1516 North, Converse, en el Condado de Bexar, Texas antes de la fecha de publicación de este aviso en el periódico. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-98.298611,29.508611&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. Además, puede pedir que la TCEQ ponga su nombre en una o más de las listas de 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 específico. Si desea que se agregue su nombre en una de las listas designe cual lista(s) y envía por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

**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 San Antonio River Authority a la dirección indicada arriba o llamando a Ernest Muñoz, Quality Control Operator al (210) 302-4200.

Fecha de emission: 26 de febrero de 2025



Brooke T. Paup, *Chairwoman*  
Bobby Janecka, *Commissioner*  
Catarina R. Gonzales, *Commissioner*  
Kelly Keel, *Executive Director*



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

February 4, 2025

Re: Confirmation of Submission of the Renewal without changes for Public Domestic Wastewater Authorization.

Dear Applicant:

This is an acknowledgement that you have successfully completed Renewal without changes for the Public Domestic Wastewater authorization.

ER Account Number: ER105190  
Application Reference Number: 713717  
Authorization Number: WQ0010749001  
Site Name: Salatrillo Creek WWTP  
Regulated Entity: RN101514560 - Salitrillo Creek  
Customer(s): CN600790620 - San Antonio River Authority

Please be aware that TCEQ staff may contact your designated contact for any additional information.

If you have any questions, you may contact the Applications Review and Processing Team by email at [WQ-ARPTeam@tceq.texas.gov](mailto:WQ-ARPTeam@tceq.texas.gov) or by telephone at (512) 239-4671.

Sincerely,  
Applications Review and Processing Team  
Water Quality Division

**Texas Commission on Environmental Quality**  
Update Domestic or Industrial Individual Permit  
WQ0010749001

### Site Information (Regulated Entity)

|  |                       |
|--|-----------------------|
| What is the name of the site to be authorized? | SALATRILLO CREEK WWTP |
| Does the site have a physical address?         | Yes                   |
| <b>Physical Address</b>                        |                       |
| Number and Street                              | 9638 SCHAEFER RD      |
| City   | CONVERSE              |
| State  | TX                    |
| ZIP  | 78109                 |
| County   | BEXAR                 |
| Latitude (N) (##.#####)                        | 29.508611             |
| Longitude (W) (-###.#####)                     | -98.298611            |
| Primary SIC Code                               | 4952                  |
| Secondary SIC Code                             |                       |
| Primary NAICS Code                             | 221320                |
| Secondary NAICS Code                           |                       |

#### Regulated Entity Site Information

|  |                  |
|--|------------------|
| What is the Regulated Entity's Number (RN)?    | RN101514560      |
| What is the name of the Regulated Entity (RE)? | SALITRILLO CREEK |
| Does the RE site have a physical address?      | Yes              |

#### Physical Address

|  |                  |
|--|------------------|
| Number and Street                            | 9638 SCHAEFER RD |
| City   | CONVERSE         |
| State  | TX               |
| ZIP  | 78109            |
| County                                       | BEXAR            |
| Latitude (N) (##.#####)                      | 29.507726        |
| Longitude (W) (-###.#####)                   | -98.297768       |
| Facility NAICS Code                          |                  |
| What is the primary business of this entity? | DOMESTIC         |

### San Ant-Customer (Applicant) Information (Owner)

|  |                  |
|--|------------------|
| How is this applicant associated with this site? | Owner            |
| What is the applicant's Customer Number (CN)?    | CN600790620      |
| Type of Customer                                 | Other Government |

**Full legal name of the applicant:**

|  |                             |
|--|-----------------------------|
| Legal Name   | San Antonio River Authority |
| Texas SOS Filing Number  |                             |
| Federal Tax ID   | 746011311                   |
| State Franchise Tax ID   |                             |
| State Sales Tax ID   |                             |
| Local Tax ID   |                             |
| DUNS Number  | 74611047                    |
| Number of Employees  | 101-250                     |
| Independently Owned and Operated?  | Yes                         |
| I certify that the full legal name of the entity applying for this permit has been provided and is legally authorized to do business in Texas. | Yes                         |

**Responsible Authority Contact**

|                   |                                       |
|-------------------|---------------------------------------|
| Organization Name | San Antonio River Authority           |
| Prefix            | MR                                    |
| First             | Leamon                                |
| Middle            |                                       |
| Last              | Anderson                              |
| Suffix            |                                       |
| Credentials       |                                       |
| Title             | Deputy Director, Utilities Operations |

**Responsible Authority Mailing Address**

Enter new address or copy one from list:

|  |                       |
|--|-----------------------|
| Address Type   | Domestic              |
| Mailing Address (include Suite or Bldg. here, if applicable) | 100 E GUENTHER        |
| Routing (such as Mail Code, Dept., or Attn:)                 |                       |
| City   | SAN ANTONIO           |
| State  | TX                    |
| ZIP  | 78204                 |
| Phone (###-###-####)   | 2102271373            |
| Extension  |                       |
| Alternate Phone (###-###-####)                               |                       |
| Fax (###-###-####)   | 2106619324            |
| E-mail   | landerson@SARA-TX.ORG |

**Billing Contact****Responsible contact for receiving billing statements:**

|   |  |
|---|--|
| Select the permittee that is responsible for payment of the annual fee. | CN600790620, San Antonio River Authority |
|---|--|

|  |                             |
|--|-----------------------------|
| Organization Name  | SAN ANTONIO RIVER AUTHORITY |
| Prefix   |                             |
| First  | Leamon                      |
| Middle   |                             |
| Last   | Anderson                    |
| Suffix   |                             |
| Credentials  |                             |
| Title  |                             |
| Enter new address or copy one from list:                     |                             |
| <b>Mailing Address</b>                                       |                             |
| Address Type   | Domestic                    |
| Mailing Address (include Suite or Bldg. here, if applicable) | 100 E GUENTHER              |
| Routing (such as Mail Code, Dept., or Attn:)                 |                             |
| City   | SAN ANTONIO                 |
| State  | TX                          |
| ZIP  | 78204                       |
| Phone (###-###-####)   | 2102271373                  |
| Extension  |                             |
| Alternate Phone (###-###-####)                               |                             |
| Fax (###-###-####)   | 2106619324                  |
| E-mail   | landerson@SARA-TX.ORG       |

## Application Contact

### Person TCEQ should contact for questions about this application:

Same as another contact?

|  |                                       |
|--|---------------------------------------|
| Organization Name  | SAN ANTONIO RIVER AUTHORITY           |
| Prefix   | MR                                    |
| First  | Leamon                                |
| Middle   |                                       |
| Last   | Anderson                              |
| Suffix   |                                       |
| Credentials  |                                       |
| Title  | Deputy Director, Utilities Operations |
| Enter new address or copy one from list:                     |                                       |
| <b>Mailing Address</b>                                       |                                       |
| Address Type   | Domestic                              |
| Mailing Address (include Suite or Bldg. here, if applicable) | 100 E GUENTHER                        |
| Routing (such as Mail Code, Dept., or Attn:)                 |                                       |
| City   | SAN ANTONIO                           |

|                                |                                |
|--------------------------------|--------------------------------|
| State                          | TX                             |
| ZIP                            | 78204                          |
| Phone (###-###-####)           | 2103024200                     |
| Extension                      |                                |
| Alternate Phone (###-###-####) |                                |
| Fax (###-###-####)             | 2106619324                     |
| E-mail                         | landerson@sariverauthority.org |

## Technical Contact

### Person TCEQ should contact for questions about this application:

Same as another contact?

|                   |                             |
|-------------------|-----------------------------|
| Organization Name | SAN ANTONIO RIVER AUTHORITY |
| Prefix            | MR                          |
| First             | Ernest                      |
| Middle            |                             |
| Last              | Munoz                       |
| Suffix            |                             |
| Credentials       |                             |
| Title             | Quality Control Operator    |

Enter new address or copy one from list:

### Mailing Address

|  |                             |
|--|-----------------------------|
| Address Type   | Domestic                    |
| Mailing Address (include Suite or Bldg. here, if applicable) | 100 E GUENTHER              |
| Routing (such as Mail Code, Dept., or Attn:)                 |                             |
| City   | SAN ANTONIO                 |
| State  | TX                          |
| ZIP  | 78204                       |
| Phone (###-###-####)   | 2103024200                  |
| Extension  |                             |
| Alternate Phone (###-###-####)                               |                             |
| Fax (###-###-####)   | 2106619324                  |
| E-mail   | emunoz@sariverauthority.org |

## DMR Contact

### Person responsible for submitting Discharge Monitoring Report Forms:

Same as another contact?

|                   |                             |
|-------------------|-----------------------------|
| Organization Name | SAN ANTONIO RIVER AUTHORITY |
| Prefix            |                             |

|  |                             |
|--|-----------------------------|
| First  | Ernest                      |
| Middle   |                             |
| Last   | Munoz                       |
| Suffix   |                             |
| Credentials  |                             |
| Title  | Quality Control Operator    |
| Enter new address or copy one from list:                     | Application Contact         |
| <b>Mailing Address:</b>                                      |                             |
| Address Type   | Domestic                    |
| Mailing Address (include Suite or Bldg. here, if applicable) | 100 E GUENTHER              |
| Routing (such as Mail Code, Dept., or Attn:)                 |                             |
| City   | SAN ANTONIO                 |
| State  | TX                          |
| ZIP  | 78204                       |
| Phone (###-###-####)   | 2103024200                  |
| Extension  |                             |
| Alternate Phone (###-###-####)                               |                             |
| Fax (###-###-####)   | 2106619324                  |
| E-mail   | emunoz@sariverauthority.org |

## Section 1# Permit Contact

### Permit Contact#: 1

**Person TCEQ should contact throughout the permit term.**

|  |                             |
|--|-----------------------------|
| 1) Same as another contact?  |                             |
| 2) Organization Name   | San Antonio River Authority |
| 3) Prefix  |                             |
| 4) First   | Ernest                      |
| 5) Middle  |                             |
| 6) Last  | Munoz                       |
| 7) Suffix  |                             |
| 8) Credentials   |                             |
| 9) Title   | Quality Control Operator    |
| <b>Mailing Address</b>   |                             |
| 10) Enter new address or copy one from list                        | Application Contact         |
| 11) Address Type   | Domestic                    |
| 11.1) Mailing Address (include Suite or Bldg. here, if applicable) | 100 E GUENTHER              |
| 11.2) Routing (such as Mail Code, Dept., or Attn:)                 |                             |
| 11.3) City   | SAN ANTONIO                 |
| 11.4) State  | TX                          |

|                                    |                             |
|------------------------------------|-----------------------------|
| 11.5) ZIP                          | 78204                       |
| 12) Phone (###-###-####)           | 2103024200                  |
| 13) Extension                      |                             |
| 14) Alternate Phone (###-###-####) |                             |
| 15) Fax (###-###-####)             |                             |
| 16) E-mail                         | emunoz@sariverauthority.org |

## Section 2# Permit Contact

### Permit Contact#: 2

**Person TCEQ should contact throughout the permit term.**

|                             |                                       |
|-----------------------------|---------------------------------------|
| 1) Same as another contact? |                                       |
| 2) Organization Name        | San Antonio River Authority           |
| 3) Prefix                   | MR                                    |
| 4) First                    | Leamon                                |
| 5) Middle                   |                                       |
| 6) Last                     | Anderson                              |
| 7) Suffix                   |                                       |
| 8) Credentials              |                                       |
| 9) Title                    | Deputy Director, Utilities Operations |

### Mailing Address

|  |                                |
|--|--------------------------------|
| 10) Enter new address or copy one from list                        | Application Contact            |
| 11) Address Type   | Domestic                       |
| 11.1) Mailing Address (include Suite or Bldg. here, if applicable) | 100 E GUENTHER                 |
| 11.2) Routing (such as Mail Code, Dept., or Attn:)                 |                                |
| 11.3) City   | SAN ANTONIO                    |
| 11.4) State  | TX                             |
| 11.5) ZIP  | 78204                          |
| 12) Phone (###-###-####)   | 2103024200                     |
| 13) Extension  |                                |
| 14) Alternate Phone (###-###-####)                                 |                                |
| 15) Fax (###-###-####)   |                                |
| 16) E-mail   | landerson@sariverauhtority.org |

## Owner Information

### Owner of Treatment Facility

|                        |                             |
|------------------------|-----------------------------|
| 1) Prefix              |                             |
| 2) First and Last Name |                             |
| 3) Organization Name   | San Antonio River Authority |



|   |                                |
|---|--------------------------------|
| 4) Mailing Address  | 100 E Guenther                 |
| 5) City   | San Antonio                    |
| 6) State  | TX                             |
| 7) Zip Code   | 78204                          |
| 8) Phone (###-###-####)   | 2103024200                     |
| 9) Extension  |                                |
| 10) Email   | landerson@sariverauthority.org |
| 11) What is ownership of the treatment facility?                            | Public                         |
| <b>Owner of Land (where treatment facility is or will be)</b>               |                                |
| 12) Prefix  |                                |
| 13) First and Last Name   |                                |
| 14) Organization Name   | San Antonio River Authority    |
| 15) Mailing Address   | 100 E Guenther                 |
| 16) City  | San Antonio                    |
| 17) State   | TX                             |
| 18) Zip Code  | 78204                          |
| 19) Phone (###-###-####)  | 2103024200                     |
| 20) Extension   |                                |
| 21) Email   | landerson@sariverauthority.org |
| 22) Is the landowner the same person as the facility owner or co-applicant? | Yes                            |

## General Information Renewal-Amendment

|   |                                |
|---|--------------------------------|
| 1) Current authorization expiration date:   | 08/11/2025                     |
| 2) Current Facility operational status:   | Active                         |
| 3) Is the facility located on or does the treated effluent cross American Indian Land?        | No                             |
| 4) What is the application type that you are seeking?   | Renewal without changes        |
| 5) Current Authorization type:  | Public Domestic Wastewater     |
| 5.1) What is the proposed total flow in MGD discharged at the facility?                       | 7.33                           |
| 5.2) Select the applicable fee  | >= 1.0 MGD - Renewal - \$2,015 |
| 6) What is the classification for your authorization?   | TPDES                          |
| 6.1) What is the EPA Identification Number?   | TX0053074                      |
| 6.2) Is the wastewater treatment facility location in the existing permit accurate?           | Yes                            |
| 6.3) Are the point(s) of discharge and the discharge route(s) in the existing permit correct? | Yes                            |
| 6.4) City nearest the outfall(s):   | Converse TX                    |
| 6.5) County where the outfalls are located:   | BEXAR                          |
| 6.6) Is or will the treated wastewater discharge to a city, county, or                        | No                             |

state highway right-of-way, or a flood control district drainage ditch?

6.7) Is the daily average discharge at your facility of 5 MGD or more?

No

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

No

## Public Notice Information

### Individual Publishing the Notices

1) Prefix

MR

2) First and Last Name

Ernest Munoz

3) Credential

4) Title

Quality Control Operator

5) Organization Name

San Antonio River Authority

6) Mailing Address

100 E GUENTHER

7) Address Line 2

8) City

SAN ANTONIO

9) State

TX

10) Zip Code

78204

11) Phone (###-###-####)

2103024200

12) Extension

13) Fax (###-###-####)

14) Email

emunoz@sariverauthority.org

### Contact person to be listed in the Notices

15) Prefix

16) First and Last Name

Ernest Munoz

17) Credential

18) Title

Quality Control Operator

19) Organization Name

San Antonio River Authority

20) Phone (###-###-####)

2103024200

21) Fax (###-###-####)

22) Email

emunoz@sariverauthority.org

### Bilingual Notice Requirements

23) 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

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

Yes

23.2) Do the students at these schools attend a bilingual education program at another location?

No

23.3) 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)?

No

23.4) Which language is required by the bilingual program?

Spanish

## Section 1# Public Viewing Information

### County#: 1

|  |   |
|--|---|
| 1) County                              | BEXAR   |
| 2) Public building name                | San Antonio River Authority Utilities Administration Building |
| 3) Location within the building        | Front Desk  |
| 4) Physical Address of Building        | 1720 FM 1516 North  |
| 5) City                                | Converse  |
| 6) Contact Name                        | Ernest Munoz  |
| 7) Phone (###-###-####)                | 2103024200  |
| 8) Extension                           |   |
| 9) Is the location open to the public? | Yes   |

## Plain Language

### 1) Plain Language

[File Properties]

|           |  |
|-----------|--|
| File Name | LANG_Attachment 2_Plain Language Summary.pdf                     |
| Hash      | 0506F699F9B509CCF9A17D9D80DBC92EFB725475384D26A3B969EA84BA5A4524 |
| MIME-Type | application/pdf  |

## Supplemental Permit Information Form

### 1) Supplemental Permit Information Form (SPIF)

[File Properties]

|           |  |
|-----------|--|
| File Name | SPIF_Attachment 3-4_SPIIF and Salitrillo USGS Map.pdf            |
| Hash      | 4865562F6E9E1E15B567CD55AD142E40F2CCFE3B7CDD035685BEB8D3BB4B268A |
| MIME-Type | application/pdf  |

## Domestic Attachments

1) Attach an 8.5"x11", reproduced portion of the most current and original USGS Topographic Quadrangle Map(s) that meets the 1:24,000 scale.

[File Properties]

|           |  |
|-----------|--|
| File Name | MAP_Attachment 5_Salitrillo USGS Map.pdf                         |
| Hash      | DBFBB93F40BB2530680B5FB4F3FF055AE44D027B89CC71CD45167D00A2AA79FA |

|   |  |
|---|--|
| MIME-Type   | application/pdf  |
| 2) I confirm that all required sections of Technical Report 1.0 are complete and will be included in the Technical Attachment.    | Yes  |
| 2.1) I confirm that Worksheet 2.0 (Receiving Waters) is complete and included in the Technical Attachment.                        | Yes  |
| 2.2) Are you planning to include Worksheet 2.1 (Stream Physical Characteristics) in the Technical Attachment?                     | No   |
| 2.3) Are you planning to include Worksheet 4.0 (Pollutant Analyses Requirements) in the Technical Attachment?                     | Yes  |
| 2.4) Are you planning to include Worksheet 5.0 (Toxicity Testing Requirements) in the Technical Attachment?                       | Yes  |
| 2.5) I confirm that Worksheet 6.0 (Industrial Waste Contribution) is complete and included in the Technical Attachment.           | Yes  |
| 2.6) Are you planning to include Worksheet 7.0 (Class V Injection Well Inventory/Authorization Form) in the Technical Attachment? | No   |
| 2.7) Technical Attachment   |  |
| [File Properties]   |  |
| File Name   | TECH_Attachment 8_DTR 4.0.pdf                                    |
| Hash  | C9FFD309BB057567C7606505FC4F7E56E9E72E44E4CC2839FD5254C554A43B4B |
| MIME-Type   | application/pdf  |
| [File Properties]   |  |
| File Name   | TECH_Attachment 9_DTR 5.0.pdf                                    |
| Hash  | D5BA8DAA510ECFD2B33CE5783F0632E482963EA4D6B1CBD1879A65D5FD46AC57 |
| MIME-Type   | application/pdf  |
| [File Properties]   |  |
| File Name   | TECH_Attachment 10_DTR 6.0.pdf                                   |
| Hash  | 5A71AF8CCDBEBC53CD8172ACA1A95C7A010A4BA2AA13990270C17C9C83AA8AEA |
| MIME-Type   | application/pdf  |
| [File Properties]   |  |
| File Name   | TECH_Attachment 6_DTR 1.0.pdf                                    |
| Hash  | 82855F901FCF9B18E9E6F9E1334913A29955E14E2DBA446443946F27F3B25C68 |
| MIME-Type   | application/pdf  |
| [File Properties]   |  |
| File Name   | TECH_Attachment 7_DTR 2.0.pdf                                    |
| Hash  | 35DFF44683F096127C9F68FFE7A6BFB37B50B0265A7C988BA72C92B18D7FAE14 |
| MIME-Type   | application/pdf  |
| 3) Buffer Zone Map  |  |

## [File Properties]

|           |  |
|-----------|--|
| File Name | BUFF_ZM_Buffer Zone Map_NR.pdf                                   |
| Hash      | 6735B4025C5E8C84BA95C612B8A5F323D4EE678F9F6A21BE98E3321A87E0FCE3 |
| MIME-Type | application/pdf  |

## 4) Flow Diagram

## [File Properties]

|           |  |
|-----------|--|
| File Name | FLDIA_Attachment 13_Flow Diagram.pdf                             |
| Hash      | 3639F3B74C0B5A59FBBD5480D8D1D492182B2E5E869ED5BEC4C712EE08854198 |
| MIME-Type | application/pdf  |

## 5) Site Drawing

## [File Properties]

|           |  |
|-----------|--|
| File Name | SITEDR_Attachment 14_Site Drawing.pdf                            |
| Hash      | 8C177F69497284BB5098641D0C13F4CA85A6F843D043032FA20682B216E94E98 |
| MIME-Type | application/pdf  |

## 6) Design Calculations

## [File Properties]

|           |  |
|-----------|--|
| File Name | DES_CAL_Design Calculations_NR.pdf                               |
| Hash      | 66BB100A8517694EF73C8A48BF952C2F090CF490711C5A27E06360729E614005 |
| MIME-Type | application/pdf  |

## 7) Solids Management Plan

## 8) Water Balance

## [File Properties]

|           |  |
|-----------|--|
| File Name | WB_Water Balance_NR.pdf  |
| Hash      | 991E4B6279267B5E000F3E44A69B978717E374797A04155066C1087DD37AB46C |
| MIME-Type | application/pdf  |

## 9) Other Attachments

## [File Properties]

|           |  |
|-----------|--|
| File Name | OTHER_Attachment 11_Treatment<br>Description.pdf                 |
| Hash      | 5A70C2CF2DE517F81494A082744D9E861329678896E4565BF2C9D32DC1672D04 |
| MIME-Type | application/pdf  |

## [File Properties]

|           |  |
|-----------|--|
| File Name | OTHER_Attachment 12_Treatment<br>Dimensions.pdf                  |
| Hash      | F0B1C4FC021F31B70755893B7A3F806DB8D364EBB70BD4916A17C24886D4D159 |
| MIME-Type | application/pdf  |

## [File Properties]

|           |  |
|-----------|--|
| File Name | OTHER_Attachment 15_Pollutant Analysis.pdf                       |
| Hash      | BFAB99206B64BA93D17A0DD00776960FA5076F0DB037715F7A2250D02B057080 |
| MIME-Type | application/pdf  |

## [File Properties]

|           |  |
|-----------|--|
| File Name | OTHER_Attachment 16_OtherSIU.pdf                                 |
| Hash      | 2F4E34947013931AD4538522FED6A695CEB3F3FD50C96892702CBC77BC2DB691 |
| MIME-Type | application/pdf  |

## [File Properties]

|           |  |
|-----------|--|
| File Name | OTHER_Attachment 17_SIUs.pdf                                     |
| Hash      | 66B03BD321D29CF273681CCA4B60E7C017112381B5A7DCCAD3E867DB02579D81 |
| MIME-Type | application/pdf  |

## [File Properties]

|           |  |
|-----------|--|
| File Name | OTHER_Attachment<br>18_SummaryTransmittal.pdf                    |
| Hash      | 0B513BB9D55F4355635927DC10F10531A768739711CAD77085765187FE844601 |
| MIME-Type | application/pdf  |

## [File Properties]

|           |  |
|-----------|--|
| File Name | OTHER_Attachment 19_Notice of<br>Completion.pdf                  |
| Hash      | 5E20034968DC1FA21EA15FF7191D2A9902012427641953DB42BE000A50AF323F |
| MIME-Type | application/pdf  |

## [File Properties]

|           |  |
|-----------|--|
| File Name | OTHER_Attachment<br>20_SummaryAgreedOrders.pdf                   |
| Hash      | F0DB9C3E5426F1756CF81B6DA4D7F9DDE49B6ABF20FDD7B84EAD096705F91256 |
| MIME-Type | application/pdf  |

## Certification

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

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.

1. I am Leamon M Anderson, the owner of the STEERS account ER105182.

2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.
7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.
8. I am knowingly and intentionally signing Update Domestic or Industrial Individual Permit WQ0010749001.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEQ.

OWNER Signature: Leamon M Anderson OWNER

|                                      |  |
|--------------------------------------|--|
| Customer Number:                     | CN600790620  |
| Legal Name:                          | San Antonio River Authority                                      |
| Account Number:                      | ER105182   |
| Signature IP Address:                | 209.245.218.234  |
| Signature Date:                      | 2025-02-04   |
| Signature Hash:                      | F287F6022DBBB503604AF4BBA86AB90913F024DA6ACEF4F4BEB268E6358CE326 |
| Form Hash Code at time of Signature: | 76B323DE3452D522A7CEC6B50E8C005963E26F0A0BBCEA5312B8A051A660A31B |

## Fee Payment

|               |  |
|---------------|--|
| Fee Amount:   | \$2000.00                                  |
| Check Date:   | The application fee was paid on 2025-01-14 |
| Check Number: | The check number is M551048                |

## Submission

|                      |  |
|----------------------|--|
| Reference Number:    | The application reference number is 713717                       |
| Submitted by:        | The application was submitted by ER105190/<br>Ernest Munoz       |
| Submitted Timestamp: | The application was submitted on 2025-02-04 at<br>14:15:50 CST   |
| Submitted From:      | The application was submitted from IP address<br>209.245.218.234 |
| Confirmation Number: | The confirmation number is 626027                                |
| Steers Version:      | The STEERS version is 6.86                                       |
| Permit Number:       | The permit number is WQ0010749001                                |

## Additional Information



Application Creator: This account was created by Ernest Munoz

Salitrillo Wastewater Discharge Permit Renewal 02/2025  
TPDES No. WQ0010749-001 (EPA I.D. TX0053074)

## Attachment 2

### Plain Language Summary

Reference: Domestic Administrative Report 1.0

### Section 8F



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

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

Applicants should use this template to develop a plain language summary of your facility and application as required by Title 30, Texas Administrative Code (30 TAC), Chapter 39, Subchapter H. You may modify the template as necessary to accurately describe your 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 you 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. After filling in the information for your facility delete these instructions.

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.*

San Antonio River Authority (CN600790620) operates Salitrillo Creek Wastewater Treatment Plant (RN101514560), a wastewater treatment facility. The facility is located at 9638 Schaefer Road, in Converse, Bexar County, Texas 78109. The application request is for a renewal to discharge 7,330,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD<sub>5</sub>), total suspended solids (TSS), ammonia nitrogen (NH<sub>3</sub>-N) and Escherichia coli (E.coli). Domestic wastewater is treated by mechanical bar screen, aeration basins, final clarifiers and ultraviolet light disinfection. .

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

### AGUAS RESIDUALES DOMESTICAS /AGUAS PLUVIALES

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

San Antonio River Authority (CN600790620) opera Salitrillo Creek Wastewater Treatment Plant (RN101514560), una instalacion de tratamiento de aguas residuales. La instalación está ubicada en 9638 Schaefer Road, en Converse, Condado de Bexar, Texas 78109. Esta solicitud es para una renovacion para descargar 7,330,000 galones por dia de aguas resisduales domesticas tratadas .

Se espera que las descargas de la instalación contengan cinco-dia demanda bioquímica carbonosa de oxígeno (CBOD<sub>5</sub>), solidos totalmente suspendidos (TSS), nitrogeno ammoniacal (NH<sub>3</sub>-N y Escherichia coli (E.coli). Aguas residuales domesticas. **está** tratado por reja mecanica, tanques de aireacion, clarificadores finales y desinfeccion ultravioleta.

Salitrillo Wastewater Discharge Permit Renewal 02/2025  
TPDES No. WQ0010749-001 (EPA I.D. TX0053074)

Attachment 5A and 5B

USGS Topographic Quadrangle Map (1:2400 Scale)

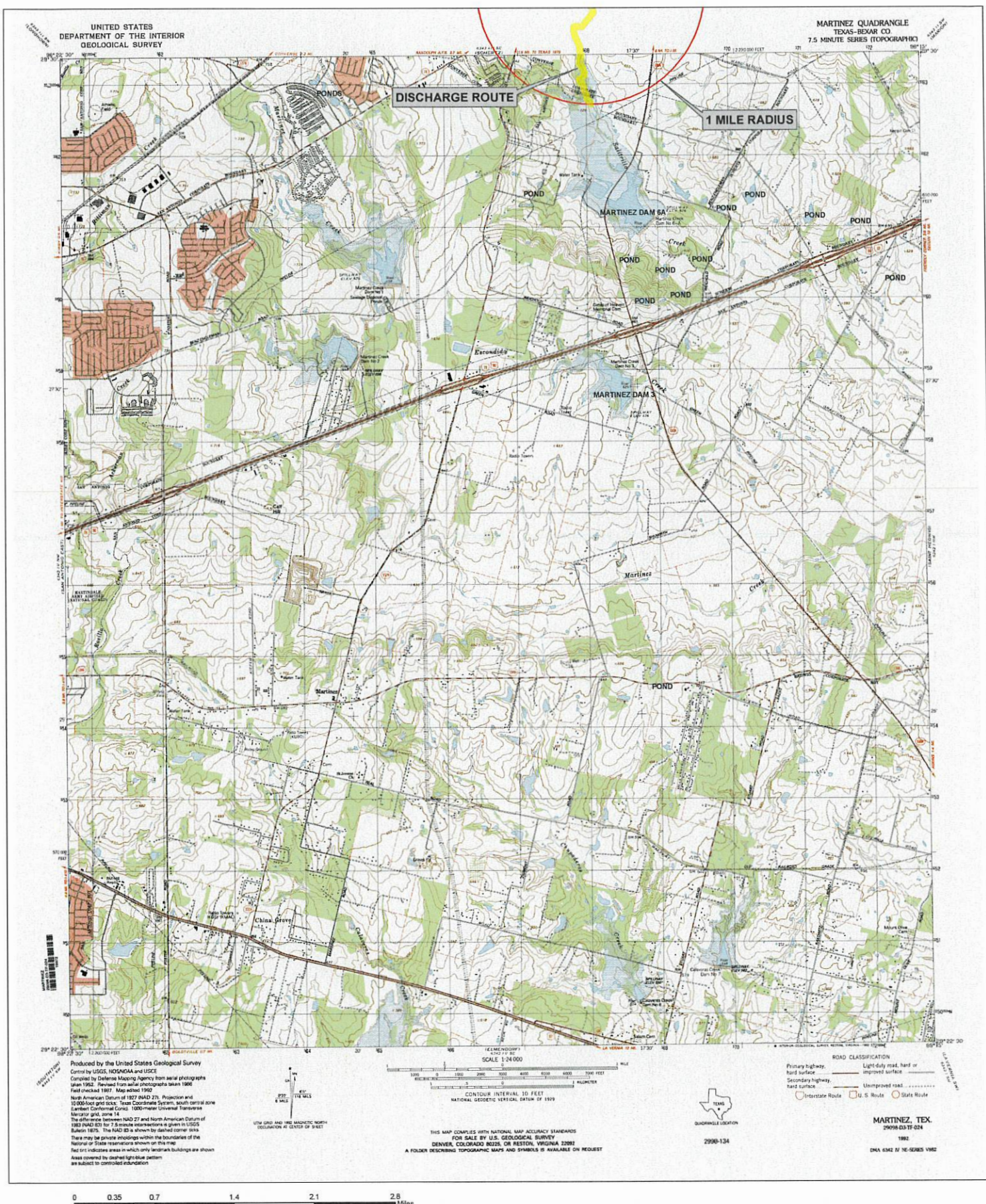
Reference: Domestic Technical Report 1.0

Section 13











Salitrillo Wastewater Discharge Permit Renewal 02/2025  
TPDES No. WQ0010749-001 (EPA I.D. TX0053074)

## Attachment 3

Supplemental Permit Information Form (SPIF)

Reference: Domestic Administrative Report 1.0

TCEQ Form 20971

# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

## SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

### FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

**TCEQ USE ONLY:**

Application type: \_\_\_\_Renewal \_\_\_\_Major Amendment \_\_\_\_Minor Amendment \_\_\_\_New

County: \_\_\_\_\_ Segment Number: \_\_\_\_\_

Admin Complete Date: \_\_\_\_\_

Agency Receiving SPIF:

\_\_\_\_ Texas Historical Commission

\_\_\_\_ U.S. Fish and Wildlife

\_\_\_\_ Texas Parks and Wildlife Department

\_\_\_\_ U.S. Army Corps of Engineers

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

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

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

The following applies to all applications:

1. Permittee: San Antonio River Authority

Permit No. WQ00 10749-001

EPA ID No. TX 0053074

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

9638 Schaefer Road, Converse, TX 78109 in East Bexar County

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

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

First and Last Name: Ernest Munoz

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

Title: Quality Control Operator

Mailing Address: 100 E Guenther

City, State, Zip Code: San Antonio, TX 78204

Phone No.: (210) 302-4200 Ext.:  Fax No.: (210) 661-9324

E-mail Address: emunoz@sariverauthority.org

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

Discharged from treatment facility to an unnamed ditch; thence to Salitrillo Creek; thence to Martinez Creek Soil Conservation Dam No. 6A Reservoir; thence to Salitrillo Creek; thence to Martinez Creek; thence to Lower Cibolo Creek in Segment No. 1902 of the San Antonio River Basin.

5. Please provide a separate 7.5-minute USGS quadrangle map with the project boundaries plotted and a general location map showing the project area. Please highlight the discharge route from the point of discharge for a distance of one mile downstream. (This map is required in addition to the map in the administrative report). See Attachment 4

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

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

- ☐ Proposed access roads, utility lines, construction easements
- ☐ Visual effects that could damage or detract from a historic property's integrity
- ☐ Vibration effects during construction or as a result of project design
- ☐ Additional phases of development that are planned for the future
- ☐ Sealing caves, fractures, sinkholes, other karst features

☐ Disturbance of vegetation or wetlands

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

N/A

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

N/A

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

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

N/A

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

N/A

Salitrillo Wastewater Discharge Permit Renewal 02/2025  
TPDES No. WQ0010749-001 (EPA I.D. TX0053074)

Attachment 4A and 4B

USGS Map and General Location Map

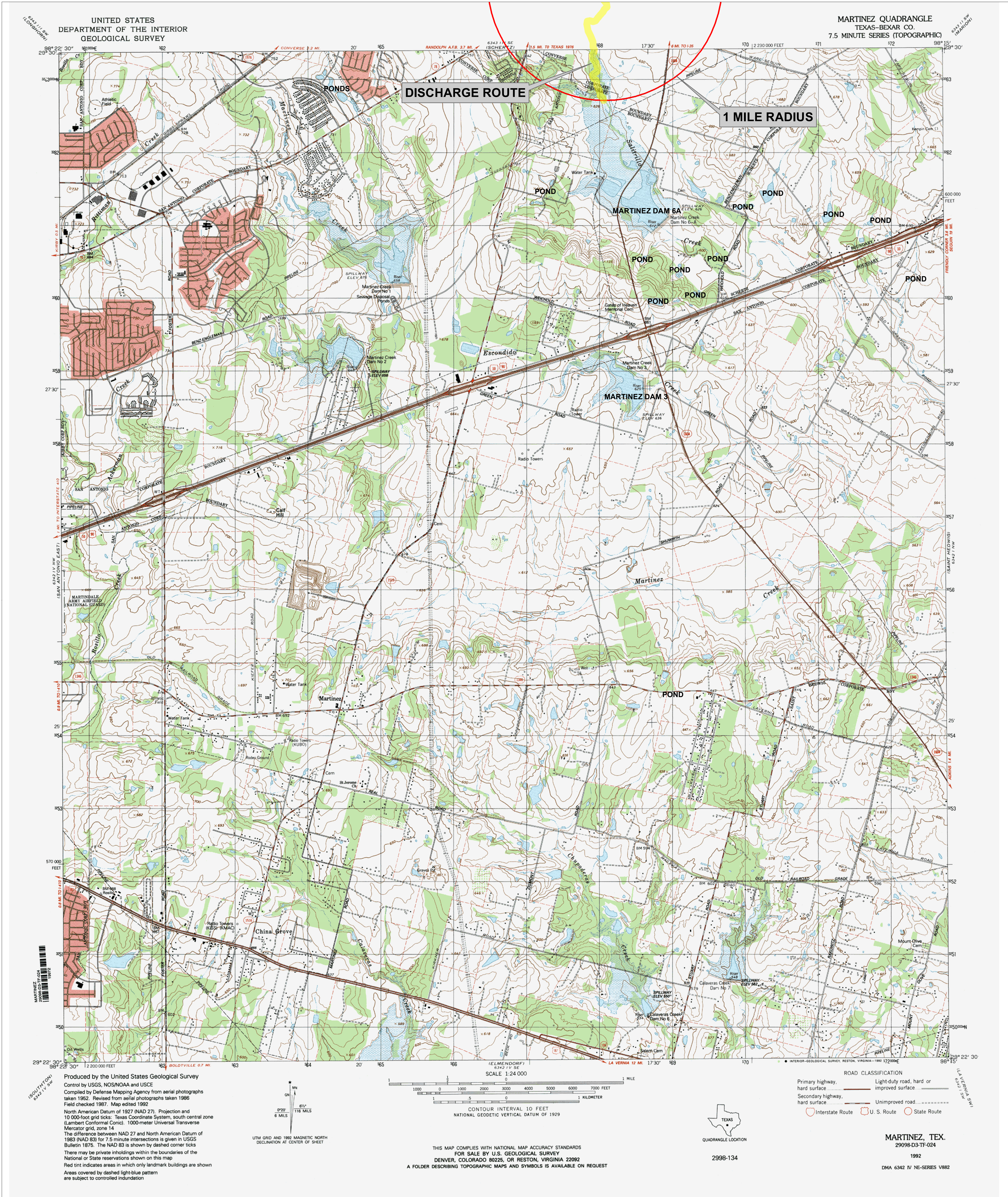
Reference: Supplemental Permit Information Form (SPIF)

TCEQ Form 20971, Item 5

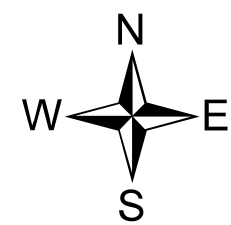








Original USGS Topographic Map



Attachment 4B



Salitrillo Wastewater Discharge Permit Renewal 02/2025  
TPDES No. WQ0010749-001 (EPA I.D. TX0053074)

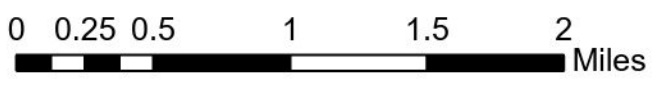
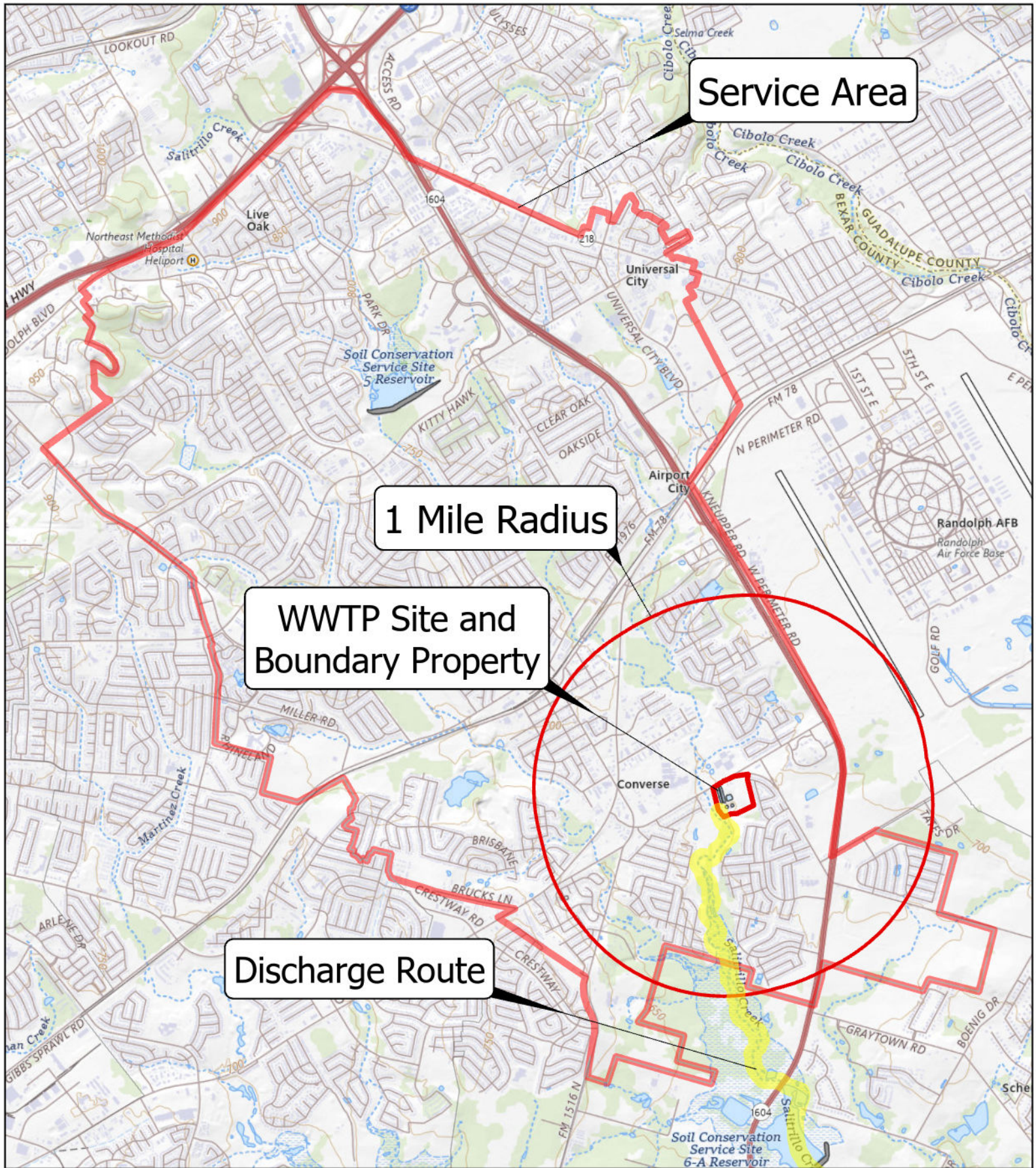
Attachment 14A and 14B

Site Drawing

Reference: Domestic Technical Report 1.0

Section 3

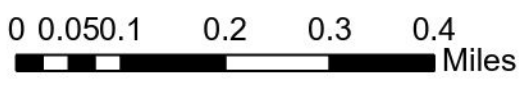
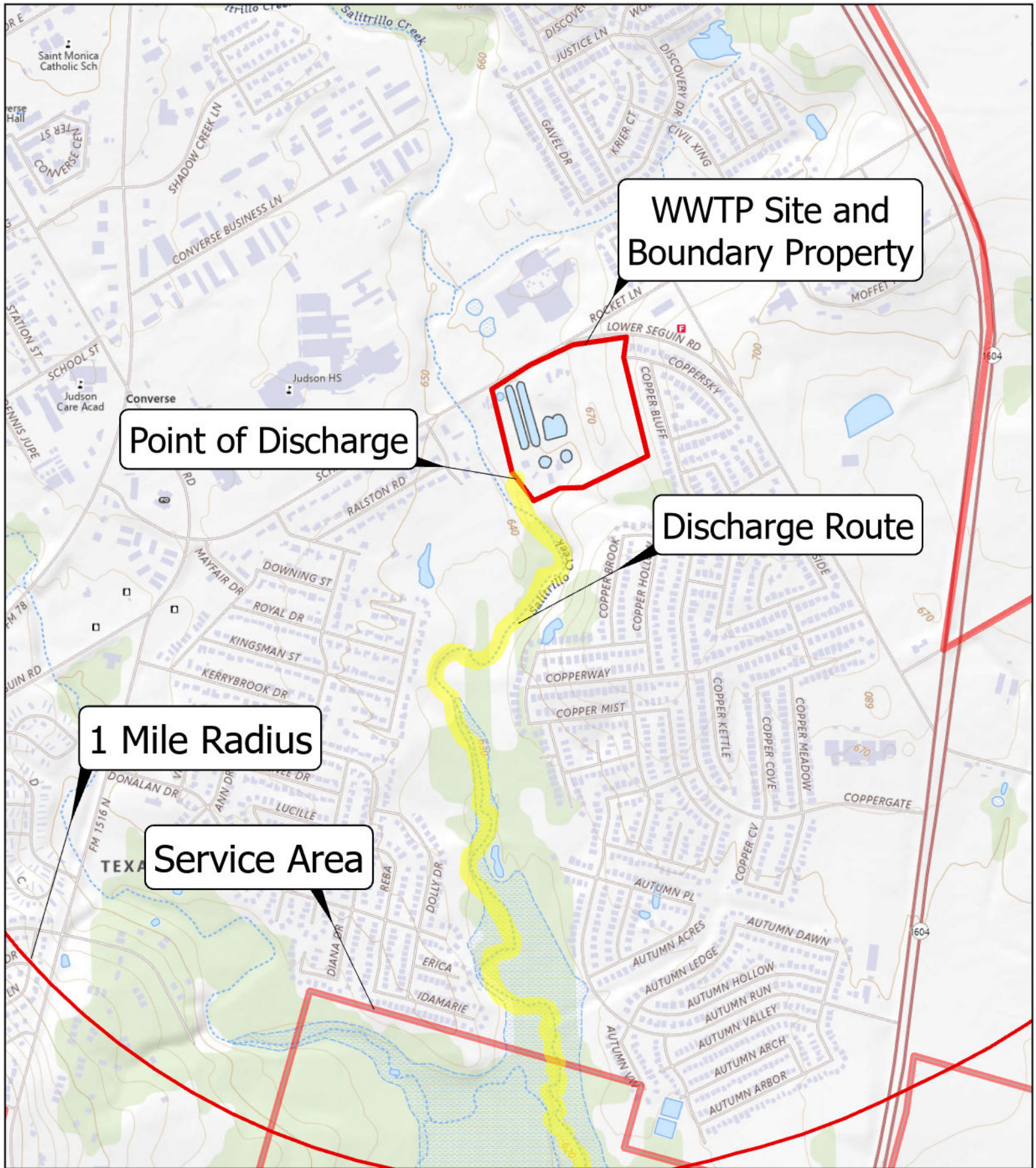




Attachment 14A

Facility Site Drawing  
and  
Service Area





Attachment 14B

Facility Site Drawing  
and  
Service Area

Salitrillo Wastewater Discharge Permit Renewal 02/2025  
TPDES No. WQ0010749-001 (EPA I.D. TX0053074)

Attachment 19

Notice of Completion

Form TCEQ-20007

Reference: Domestic Technical Report 1.0

Section 12C





UT-SALA-TCEQ

March 20, 2024

**CERTIFIED MAIL: RETURN RECEIPT REQUESTED (9598 0710 5270 0946 9901 03)**

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

Reference: Salitrillo WWTP; Permit No. WQ0010749-001;  
RN101514560; CN600790620

Enclosed is the Notification of Completion/Phase of Wastewater Treatment Facility form for the above referenced plant scheduled to be placed in operation on May 17, 2024.

Please call Daniel Flores at (210) 302-4200, should you have any questions and or require any additional information.

Sincerely,

DANIEL FLORES  
Utilities Quality Control Superintendent

CC: Texas Commission on Environmental Quality, Region 13, Attn: Javier Anguiano, 14250 Judson Rd., San Antonio, Texas 78233

**EXECUTIVE  
COMMITTEE**

**CHAIRMAN**

Jim Campbell

**VICE-CHAIR**

Gaylon J. Oehlke

**SECRETARY**

Jerry G. Gonzales

**TREASURER**

Derek J. Gaudlitz

**MEMBERS AT-LARGE**

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Alicia Lott Cowley

**GENERAL MANAGER**

Derek Boese, JD, PMP



**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY  
NOTIFICATION OF COMPLETION/PHASE OF WASTEWATER  
TREATMENT FACILITY**

---

If you have questions about completing this form please contact the Applications Review and Processing Team at 512-239-4671.

**Current Permit Information**

What is the TCEQ Water Quality Permit Number? WQ0010749001

What is the EPA I.D. Number? TX 0053074

Current Name on Permit: Salitrillo Creek Wastewater Treatment Facility

**Notification**

Indicate the phase the facility will be operating.

- ☐ Interim Phase I Flow
- ☐ Interim Phase II Flow
- ☐ Interim Phase III Flow
- ☒ Final Phase Flow

Indicate the date that the operation began or will begin operating under the selected phase:

Month/Day/Year: May 17, 2024

Comments:

**Certification and Signature**

Responsible Official Name (Print or Type): Derek Boese

Responsible Official Title: General Manager

Responsible Official Email: dboese@sariverauthority.org

I 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.

Signature (use blue ink):

Date: 19 MAR 24

Email completed form to:  
or

[WQ-ARPTeam@tceq.texas.gov](mailto:WQ-ARPTeam@tceq.texas.gov)

**Fax completed form to:**  
or mail completed form to:

**512-239-0884**

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

Salitrillo Wastewater Discharge Permit Renewal 02/2025  
TPDES No. WQ0010749-001 (EPA I.D. TX0053074)

## Buffer Zone Map

This application is for a renewal, Buffer Zone  
Map is not required.

Salitrillo Wastewater Discharge Permit Renewal 02/2025  
TPDES No. WQ0010749-001 (EPA I.D. TX0053074)

## Attachment 6

### Domestic Technical Report 1.0



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 42)

#### A. Existing/Interim I Phase

Design Flow (MGD): 7.33

2-Hr Peak Flow (MGD): 18.33

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

#### B. Interim II Phase

Design Flow (MGD): N/A

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

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

#### C. Final Phase

Design Flow (MGD): N/A

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

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

#### D. Current Operating Phase

Provide the startup date of the facility: 08/01/1999

### Section 2. Treatment Process (Instructions Page 42)

#### 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.**

Attachment 11

## 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 12   |                 |                        |
|                     |                 |                        |
|                     |                 |                        |
|                     |                 |                        |
|                     |                 |                        |
|                     |                 |                        |

## C. Process Flow Diagram

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

**Attachment:** 13

## Section 3. Site Information and Drawing (Instructions Page 43)

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

- Latitude: 29.507145
- Longitude: -98.298655

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:** 14

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

Cities of Converse, Universal City, Live Oak and portions of East Bexar County.

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 |
|------------------------|------------|-----------------|-------------------|
| Salitrillo             | SARA       | Publicly Owned  | 54,441            |
|                        |            | Choose an item. |                   |
|                        |            | Choose an item. |                   |
|                        |            | Choose an item. |                   |

Section 4. Unbuilt Phases (Instructions Page 44)

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

N/A

Section 5. Closure Plans (Instructions Page 44)

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.

A closure plan was not submitted, however, a description of the removal of treatment equipment was noted in a summary transmittal letter. See Section 6-A below.

## Section 6. Permit Specific Requirements (Instructions Page 44)

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:

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.**

A summary transmittal letter dated November 30, 2021, was sent to the TCEQ Water Quality Division MC – 148 noting the changes within the facility. An approval letter from TCEQ was sent dated March 10, 2022. Please see Attachment 18 to view correspondence.

### B. Buffer zones

Have the buffer zone requirements been met?

☒ Yes ☐ No

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

N/A

### C. Other actions required by the current permit

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

☒ Yes ☐ No

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

Other Requirements item 7: A summary transmittal letter dated November 30, 2021, was submitted to TCEQ and an approval letter dated March 10, 2022, was received from TCEQ in response. Please see Attachment 18.

Other Requirements item 8: A Notice of Completion form 20007 was submitted to TCEQ on March 20, 2024. Please see Attachment 19.

### 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.

#### 3. Grit disposal

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

☐ Yes ☐ No

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

Describe the method of grit disposal.

**4. Grease and decanted liquid disposal**

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

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

Click to enter text.

**E. Stormwater management**

**1. Applicability**

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

☒ Yes ☐ No

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

☐ Yes ☒ No

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

**2. MSGP coverage**

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

☒ Yes ☐ No

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

TXR05 K745 or TXRNE Click to enter text.

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

☐ Yes ☐ No

**3. Conditional exclusion**

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

☐ Yes ☒ No

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

Click to enter text.

**4. Existing coverage in individual permit**

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

☐ Yes ☒ No

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

Click to enter text.

**5. Zero stormwater discharge**

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

☐ Yes ☒ No

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

Click to enter text.

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

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

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

☐ Yes ☒ No

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

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

[Click to enter text.](#)

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

#### F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

☐ Yes ☒ No

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

[Click to enter text.](#)

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

##### 1. Acceptance of sludge from other WWTPs

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

☐ Yes ☒ No

**If yes, attach sewage sludge solids management plan. See Example 5 of 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<sub>5</sub> concentration of the sludge, and the design BOD<sub>5</sub> concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

[Click to enter text.](#)

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

##### 2. Acceptance of septic waste

Is the facility accepting or will it accept septic waste?

☐ Yes ☒ No

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

☐ Yes ☐ No

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

☐ Yes ☐ No

If **yes to any of the above**, provide the date the plant started or is anticipated to start accepting septic waste, an estimate of monthly septic waste acceptance (gallons or millions of gallons), an estimate of the BOD<sub>5</sub> concentration of the septic waste, and the design BOD<sub>5</sub> concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

Click to enter text.

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

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

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

☐ Yes ☒ No

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

Click to enter text.

## Section 7. Pollutant Analysis of Treated Effluent (Instructions Page 49)

Is the facility in operation?

☒ Yes ☐ No

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

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

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



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

| Pollutant                              | Average Conc. | Max Conc. | No. of Samples | Sample Type | Sample Date/Time    |
|--|---------------|-----------|----------------|-------------|---------------------|
| CBOD <sub>5</sub> , mg/l               | 3             | 3         | 1              | Comp        | 09/17/2024 07:00 AM |
| Total Suspended Solids, mg/l           | 1             | 1         | 1              | Comp        | 09/17/2024 07:00 AM |
| Ammonia Nitrogen, mg/l                 | 0.90          | 0.90      | 1              | Comp        | 09/17/2024 07:00 AM |
| Nitrate Nitrogen, mg/l                 | 5.3           | 5.3       | 1              | Comp        | 09/17/2024 07:00 AM |
| Total Kjeldahl Nitrogen, mg/l          | 5             | 5         | 1              | Comp        | 09/17/2024 07:00 AM |
| Sulfate, mg/l                          | 75            | 75        | 1              | Comp        | 09/17/2024 07:00 AM |
| Chloride, mg/l                         | 208           | 208       | 1              | Comp        | 09/17/2024 07:00 AM |
| Total Phosphorus, mg/l                 | 3.23          | 3.23      | 1              | Comp        | 09/17/2024 07:00 AM |
| pH, standard units                     | 7.4 min       | 8.2 max   | 21             | Grab        | Sep 2024            |
| Dissolved Oxygen*, mg/l                | 6.10 min      | 7.03 max  | 17             | Grab        | Sep 2024            |
| Chlorine Residual, mg/l                | N/A           | N/A       | N/A            | N/A         | N/A                 |
| <i>E.coli</i> (CFU/100ml) freshwater   | 2             | 45        | 30             | Grab        | Sep 2024            |
| Enterococci (CFU/100ml) saltwater      | N/A           | N/A       | N/A            | N/A         | N/A                 |
| Total Dissolved Solids, mg/l           | 3.558         | 3.558     | 1              | Comp        | 09/17/2024 07:00 AM |
| Electrical Conductivity, µmohs/cm, †   | 1093          | 1093      | 1              | Comp        | 09/17/2024 07:00 AM |
| Oil & Grease, mg/l                     | 5.0           | 5.0       | 1              | Comp        | 09/17/2024 07:00 AM |
| Alkalinity (CaCO <sub>3</sub> )*, mg/l | 186           | 186       | 1              | Comp        | 09/17/2024 07:00 AM |

\*TPDES permits only

†TLAP permits only

See Attachment 15

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

| Pollutant                    | Average Conc. | Max Conc. | No. of Samples | Sample Type | Sample Date/Time |
|------------------------------|---------------|-----------|----------------|-------------|------------------|
| Total Suspended Solids, mg/l |               |           | N/A            |             |                  |
| Total Dissolved Solids, mg/l |               |           | N/A            |             |                  |

| Pollutant                             | Average Conc. | Max Conc. | No. of Samples | Sample Type | Sample Date/Time |
|---------------------------------------|---------------|-----------|----------------|-------------|------------------|
| pH, standard units                    |               |           | N/A            |             |                  |
| Fluoride, mg/l                        |               |           | N/A            |             |                  |
| Aluminum, mg/l                        |               |           | N/A            |             |                  |
| Alkalinity (CaCO <sub>3</sub> ), mg/l |               |           | N/A            |             |                  |

## Section 8. Facility Operator (Instructions Page 49)

Facility Operator Name: Travis Krueger

Facility Operator's License Classification and Level: Class A Wastewater

Facility Operator's License Number: WW0048037

## Section 9. Sludge and Biosolids Management and Disposal (Instructions Page 50)

### A. WWTP's Sewage Sludge or Biosolids Management Facility Type

Check all that apply. See instructions for guidance

- ☒ Design flow  $\geq$  1 MGD
- ☒ Serves  $\geq$  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 Sewage Sludge or Biosolids Treatment Process

Check all that apply. See instructions for guidance.

- ☐ Aerobic Digestion
- ☐ Air Drying (or sludge drying beds)
- ☐ Lower Temperature Composting
- ☐ Lime Stabilization
- ☐ Higher Temperature Composting
- ☐ Heat Drying
- ☐ Thermophilic Aerobic Digestion
- ☐ Beta Ray Irradiation
- ☐ Gamma Ray Irradiation
- ☐ Pasteurization
- ☐ Preliminary Operation (e.g. grinding, de-gritting, blending)

- ☒ Thickening (e.g. gravity thickening, centrifugation, filter press, vacuum filter)
- ☐ Sludge Lagoon
- ☐ Temporary Storage (< 2 years)
- ☐ Long Term Storage (>= 2 years)
- ☐ Methane or Biogas Recovery
- ☐ Other Treatment Process: [Click to enter text.](#)

### C. Sewage Sludge or Biosolids Management

Provide information on the *intended* sewage sludge or biosolids management practice. Do not enter every management practice that you want authorized in the permit, as the permit will authorize all sewage sludge or 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                          |
|-------------------------------------|--|---------------------------------|--------------------------|---|---|
| Distribution & Marketing-Composting | Off-site Third-Party Handler or Preparer | Not Applicable                  | 800                      | N/A: Transported to another facility for further processing | N/A: Transported to another facility for further processing |
| Disposal in Landfill                | Off-site Third-Party Handler or Preparer | Not Applicable                  | 50                       | N/A: Disposal in Landfill                                   | N/A: Disposal in Landfill                                   |
| <a href="#">Choose an item.</a>     | <a href="#">Choose an item.</a>          | <a href="#">Choose an item.</a> |                          | <a href="#">Choose an item.</a>                             | <a href="#">Choose an item.</a>                             |

If "Other" is selected for Management Practice, please explain (e.g. monofill or transport to another WWTP): [Click to enter text.](#)

### D. Disposal site

Disposal site name: [Republic, Tessman Rd. Landfill/Gardenville-Martinez II WWTP Compost Facility](#)

TCEQ permit or registration number: [1410/WQ0010749-004](#)

County where disposal site is located: [Bexar](#)

### E. Transportation method

Method of transportation (truck, train, pipe, other): [Truck/trailer](#)

Name of the hauler: [San Antonio River Authority](#)

Hauler registration number: [21858](#)

Sludge is transported as a:

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

## Section 10. Permit Authorization for Sewage Sludge Disposal (Instructions Page 52)

### A. Beneficial use authorization

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

☐ Yes ☐ No

### B. Sludge processing authorization

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

|  |                              |  |
|--|------------------------------|--|
| Sludge Composting                          | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Marketing and Distribution of Biosolids    | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Sludge Surface Disposal or Sludge Monofill | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Temporary storage in sludge lagoons        | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |

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

☐ Yes ☐ No

## Section 11. Sewage Sludge Lagoons (Instructions Page 53)

Does this facility include sewage sludge lagoons?

☐ Yes ☒ No

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

### A. Location information

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

- Original General Highway (County) Map:

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

- USDA Natural Resources Conservation Service Soil Map:

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

- Federal Emergency Management Map:

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

- Site map:

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

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

- ☐ Overlap a designated 100-year frequency flood plain
- ☐ Soils with flooding classification
- ☐ Overlap an unstable area
- ☐ Wetlands
- ☐ Located less than 60 meters from a fault
- ☐ None of the above

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

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

[Click to enter text.](#)

## B. Temporary storage information

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

Nitrate Nitrogen, mg/kg: [Click to enter text.](#)

Total Kjeldahl Nitrogen, mg/kg: [Click to enter text.](#)

Total Nitrogen (=nitrate nitrogen + TKN), mg/kg: [Click to enter text.](#)

Phosphorus, mg/kg: [Click to enter text.](#)

Potassium, mg/kg: [Click to enter text.](#)

pH, standard units: [Click to enter text.](#)

Ammonia Nitrogen mg/kg: [Click to enter text.](#)

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

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

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

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

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

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

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

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

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

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

Total PCBs: [Click to enter text.](#)

Provide the following information:

Volume and frequency of sludge to the lagoon(s): [Click to enter text.](#)

Total dry tons stored in the lagoons(s) per 365-day period: [Click to enter text.](#)

Total dry tons stored in the lagoons(s) over the life of the unit: [Click to enter text.](#)

### C. Liner information

Does the active/proposed sludge lagoon(s) have a liner with a maximum hydraulic conductivity of  $1 \times 10^{-7}$  cm/sec?

☐ Yes ☐ No

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

[Click to enter text.](#)

### D. Site development plan

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

[Click to enter text.](#)

Attach the following documents to the application.

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

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

- Copy of the closure plan

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

- Copy of deed recordation for the site

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

- Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons

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

- Description of the method of controlling infiltration of groundwater and surface water from entering the site

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

- Procedures to prevent the occurrence of nuisance conditions

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

#### E. Groundwater monitoring

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

☐ Yes ☐ No

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

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

## Section 12. Authorizations/Compliance/Enforcement (Instructions Page 54)

#### 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:

Reuse Water Authorization No. R10749-001

#### 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:

See Attachment 20

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

### A. RCRA hazardous wastes

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

☐ Yes ☒ No

### B. Remediation activity wastewater

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

☐ Yes ☒ No

### C. Details about wastes received

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

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



## Section 14. Laboratory Accreditation (Instructions Page 55)

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: Leamon Anderson

Title: Deputy Director, Utilities Operations

Signature: \_\_\_\_\_

Date: 1-27-25

Salitrillo Wastewater Discharge Permit Renewal 02/2025  
TPDES No. WQ0010749-001 (EPA I.D. TX0053074)

## Attachment 7

### Domestic Technical Report 2.0

# DOMESTIC WASTEWATER PERMIT APPLICATION

## WORKSHEET 2.0: RECEIVING WATERS

The following information is required for all TPDES permit applications.

### Section 1. Domestic Drinking Water Supply (Instructions Page 63)

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 to Section 2. If **yes**, provide the following:

Owner of the drinking water supply: [Click to enter text.](#)

Distance and direction to the intake: [Click to enter text.](#)

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

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

### Section 2. Discharge into Tidally Affected Waters (Instructions Page 63)

Does the facility discharge into tidally affected waters?

☐ Yes ☒ No

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

#### A. Receiving water outfall

Width of the receiving water at the outfall, in feet: [Click to enter text.](#)

#### B. Oyster waters

Are there oyster waters in the vicinity of the discharge?

☐ Yes ☐ No

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

[Click to enter text.](#)

#### C. Sea grasses

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

☐ Yes ☐ No

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

Click to enter text.

### Section 3. Classified Segments (Instructions Page 63)

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 63)

Name of the immediate receiving waters: [Click to enter text.](#)

#### A. Receiving water type

Identify the appropriate description of the receiving waters.

- ☐ Stream
- ☐ Freshwater Swamp or Marsh
- ☐ Lake or Pond

Surface area, in acres: [Click to enter text.](#)

Average depth of the entire water body, in feet: [Click to enter text.](#)

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

- ☐ Man-made Channel or Ditch
- ☐ Open Bay
- ☐ Tidal Stream, Bayou, or Marsh
- ☐ Other, specify: [Click to enter text.](#)

#### B. Flow characteristics

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

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

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

- ☐ USGS flow records

- ☐ Historical observation by adjacent landowners
- ☐ Personal observation
- ☐ Other, specify: [Click to enter text.](#)

#### C. Downstream perennial confluences

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

#### D. Downstream characteristics

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

- ☐ Yes ☐ No

If yes, discuss how.

[Click to enter text.](#)

#### E. Normal dry weather characteristics

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

[Click to enter text.](#)

Date and time of observation: [Click to enter text.](#)

Was the water body influenced by stormwater runoff during observations?

- ☐ Yes ☐ No

## Section 5. General Characteristics of the Waterbody (Instructions Page 65)

#### 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.

- |   |  |
|---|--|
| <input type="checkbox"/> Oil field activities | <input type="checkbox"/> Urban runoff        |
| <input type="checkbox"/> Upstream discharges  | <input type="checkbox"/> Agricultural runoff |

☐ Septic tanks

☐ Other(s), specify: [Click to enter text.](#)

## B. Waterbody uses

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

☐ Livestock watering

☐ Contact recreation

☐ Irrigation withdrawal

☐ Non-contact recreation

☐ Fishing

☐ Navigation

☐ Domestic water supply

☐ Industrial water supply

☐ Park activities

☐ Other(s), specify: [Click to enter text.](#)

## C. Waterbody aesthetics

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

☐ Wilderness: outstanding natural beauty; usually wooded or unpastured area; water clarity exceptional

☐ Natural Area: trees and/or native vegetation; some development evident (from fields, pastures, dwellings); water clarity discolored

☐ Common Setting: not offensive; developed but uncluttered; water may be colored or turbid

☐ Offensive: stream does not enhance aesthetics; cluttered; highly developed; dumping areas; water discolored



Salitrillo Wastewater Discharge Permit Renewal 02/2025  
TPDES No. WQ0010749-001 (EPA I.D. TX0053074)

## Attachment 8

### Domestic Technical Report 4.0



## 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: **9/17/2024 @ 0945 - grab @0700 Comp**

**Table 4.0(1) – Toxics Analysis**

| Pollutant                  | AVG<br>Effluent<br>Conc. (µg/l) | MAX<br>Effluent<br>Conc. (µg/l) | Number of<br>Samples | MAL<br>(µg/l) |
|----------------------------|---------------------------------|---------------------------------|----------------------|---------------|
| Acrylonitrile              | <50                             |                                 | 1                    | 50            |
| Aldrin                     | <0.01                           |                                 | 1                    | 0.01          |
| Aluminum                   | 11.0                            |                                 | 1                    | 2.5           |
| Anthracene                 | <10                             |                                 | 1                    | 10            |
| Antimony                   | <5                              |                                 | 1                    | 5             |
| Arsenic                    | 0.5                             |                                 | 1                    | 0.5           |
| Barium                     | 79                              |                                 | 1                    | 3             |
| Benzene                    | <10                             |                                 | 1                    | 10            |
| Benzidine                  | <50                             |                                 | 1                    | 50            |
| Benzo(a)anthracene         | <5                              |                                 | 1                    | 5             |
| Benzo(a)pyrene             | <5                              |                                 | 1                    | 5             |
| Bis(2-chloroethyl)ether    | <10                             |                                 | 1                    | 10            |
| Bis(2-ethylhexyl)phthalate | <10                             |                                 | 1                    | 10            |
| Bromodichloromethane       | <10                             |                                 | 1                    | 10            |
| Bromoform                  | <10                             |                                 | 1                    | 10            |
| Cadmium                    | <1                              |                                 | 1                    | 1             |
| Carbon Tetrachloride       | <2                              |                                 | 1                    | 2             |
| Carbaryl                   | <5                              |                                 | 1                    | 5             |
| Chlordane*                 | <0.2                            |                                 | 1                    | 0.2           |
| Chlorobenzene              | <10                             |                                 | 1                    | 10            |
| Chlorodibromomethane       | <10                             |                                 | 1                    | 10            |

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

| Pollutant                             | AVG Effluent Conc. (µg/l) | MAX Effluent Conc. (µg/l) | Number of Samples | MAI (µg/l) |
|---------------------------------------|---------------------------|---------------------------|-------------------|------------|
| Endosulfan II (beta)                  | <0.02                     |                           | 1                 | 0.02       |
| Endosulfan Sulfate                    | <0.1                      |                           | 1                 | 0.1        |
| Endrin                                | <0.02                     |                           | 1                 | 0.02       |
| Ethylbenzene                          | <10                       |                           | 1                 | 10         |
| Fluoride                              | 360                       |                           | 1                 | 200        |
| Guthion                               | <0.1                      |                           | 1                 | 0.1        |
| Heptachlor                            | <0.01                     |                           | 1                 | 0.01       |
| Heptachlor Epoxide                    | <0.01                     |                           | 1                 | 0.01       |
| Hexachlorobenzene                     | <5                        |                           | 1                 | 5          |
| Hexachlorobutadiene                   | <10                       |                           | 1                 | 10         |
| Hexachlorocyclohexane (alpha)         | <0.05                     |                           | 1                 | 0.05       |
| Hexachlorocyclohexane (beta)          | <0.05                     |                           | 1                 | 0.05       |
| gamma-Hexachlorocyclohexane (Lindane) | <0.05                     |                           | 1                 | 0.05       |
| Hexachlorocyclopentadiene             | <10                       |                           | 1                 | 10         |
| Hexachloroethane                      | <20                       |                           | 1                 | 20         |
| Hexachlorophene                       | <10                       |                           | 1                 | 10         |
| Lead                                  | <0.5                      |                           | 1                 | 0.5        |
| Malathion                             | <0.1                      |                           | 1                 | 0.1        |
| Mercury                               | <0.005                    |                           | 1                 | 0.005      |
| Methoxychlor                          | <2                        |                           | 1                 | 2          |
| Methyl Ethyl Ketone                   | <50                       |                           | 1                 | 50         |
| Mirex                                 | <0.02                     |                           | 1                 | 0.02       |
| Nickel                                | 3                         |                           | 1                 | 2          |
| Nitrate-Nitrogen                      | 5,300                     |                           | 1                 | 100        |
| Nitrobenzene                          | <10                       |                           | 1                 | 10         |
| N-Nitrosodiethylamine                 | <20                       |                           | 1                 | 20         |
| N-Nitroso-di-n-Butylamine             | <20                       |                           | 1                 | 20         |
| Nonylphenol                           | <333                      |                           | 1                 | 333        |
| Parathion (ethyl)                     | <0.1                      |                           | 1                 | 0.1        |
| Pentachlorobenzene                    | <20                       |                           | 1                 | 20         |
| Pentachlorophenol                     | <5                        |                           | 1                 | 5          |
| Phenanthrene                          | <10                       |                           | 1                 | 10         |

| Pollutant                                      | AVG<br>Effluent<br>Conc. (µg/l) | MAX<br>Effluent<br>Conc. (µg/l) | Number of<br>Samples | MAL<br>(µg/l) |
|--|---------------------------------|---------------------------------|----------------------|---------------|
| Polychlorinated Biphenyls (PCB's) (*3)         | <0.2                            |                                 | 1                    | 0.2           |
| Pyridine                                       | <20                             |                                 | 1                    | 20            |
| Selenium                                       | <5                              |                                 | 1                    | 5             |
| Silver   | <0.5                            |                                 | 1                    | 0.5           |
| 1,2,4,5-Tetrachlorobenzene                     | <20                             |                                 | 1                    | 20            |
| 1,1,2,2-Tetrachloroethane                      | <10                             |                                 | 1                    | 10            |
| Tetrachloroethylene                            | <10                             |                                 | 1                    | 10            |
| Thallium                                       | <0.5                            |                                 | 1                    | 0.5           |
| Toluene  | <10                             |                                 | 1                    | 10            |
| Toxaphene                                      | <0.3                            |                                 | 1                    | 0.3           |
| 2,4,5-TP (Silvex)                              | <0.3                            |                                 | 1                    | 0.3           |
| Tributyltin (see instructions for explanation) | <0.01                           |                                 | 1                    | 0.01          |
| 1,1,1-Trichloroethane                          | <10                             |                                 | 1                    | 10            |
| 1,1,2-Trichloroethane                          | <10                             |                                 | 1                    | 10            |
| Trichloroethylene                              | <10                             |                                 | 1                    | 10            |
| 2,4,5-Trichlorophenol                          | <50                             |                                 | 1                    | 50            |
| TTHM (Total Trihalomethanes)                   | <10                             |                                 | 1                    | 10            |
| Vinyl Chloride                                 | <10                             |                                 | 1                    | 10            |
| Zinc   | 25                              |                                 | 1                    | 5             |

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

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

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

## Section 2. Priority Pollutants

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

Grab ☐ Composite ☐

Date and time sample(s) collected: 9/17/2024 @ 0945 - grab @0700 Comp

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

| Pollutant           | AVG<br>Effluent<br>Conc. (µg/l) | MAX<br>Effluent<br>Conc. (µg/l) | Number of<br>Samples | MAL<br>(µg/l) |
|---------------------|---------------------------------|---------------------------------|----------------------|---------------|
| Antimony            | <5                              |                                 | 1                    | 5             |
| Arsenic             | 0.5                             |                                 | 1                    | 0.5           |
| Beryllium           | <0.5                            |                                 | 1                    | 0.5           |
| Cadmium             | <1                              |                                 | 1                    | 1             |
| Chromium (Total)    | <3                              |                                 | 1                    | 3             |
| Chromium (Hex)      | <3                              |                                 | 1                    | 3             |
| Chromium (Tri) (*1) | 5                               |                                 | 1                    | N/A           |
| Copper              | <2                              |                                 | 1                    | 2             |
| Lead                | <0.5                            |                                 | 1                    | 0.5           |
| Mercury             | <0.005                          |                                 | 1                    | 0.005         |
| Nickel              | 3                               |                                 | 1                    | 2             |
| Selenium            | <5                              |                                 | 1                    | 5             |
| Silver              | <0.5                            |                                 | 1                    | 0.5           |
| Thallium            | <0.5                            |                                 | 1                    | 0.5           |
| Zinc                | 25                              |                                 | 1                    | 5             |
| Cyanide (*2)        | <10                             |                                 | 1                    | 10            |
| Phenols, Total      | 16                              |                                 | 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<br>Effluent<br>Conc. (µg/l) | MAX<br>Effluent<br>Conc. (µg/l) | Number of<br>Samples | MAL<br>(µg/l) |
|--|---------------------------------|---------------------------------|----------------------|---------------|
| Acrolein                                       | <50                             |                                 | 1                    | 50            |
| Acrylonitrile                                  | <50                             |                                 | 1                    | 50            |
| Benzene  | <10                             |                                 | 1                    | 10            |
| Bromoform                                      | <10                             |                                 | 1                    | 10            |
| Carbon Tetrachloride                           | <2                              |                                 | 1                    | 2             |
| Chlorobenzene                                  | <10                             |                                 | 1                    | 10            |
| Chlorodibromomethane                           | <10                             |                                 | 1                    | 10            |
| Chloroethane                                   | <50                             |                                 | 1                    | 50            |
| 2-Chloroethylvinyl Ether                       | <10                             |                                 | 1                    | 10            |
| Chloroform                                     | <10                             |                                 | 1                    | 10            |
| Dichlorobromomethane<br>[Bromodichloromethane] | <10                             |                                 | 1                    | 10            |
| 1,1-Dichloroethane                             | <10                             |                                 | 1                    | 10            |
| 1,2-Dichloroethane                             | <10                             |                                 | 1                    | 10            |
| 1,1-Dichloroethylene                           | <10                             |                                 | 1                    | 10            |
| 1,2-Dichloropropane                            | <10                             |                                 | 1                    | 10            |
| 1,3-Dichloropropylene<br>[1,3-Dichloropropene] | <10                             |                                 | 1                    | 10            |
| 1,2-Trans-Dichloroethylene                     | <10                             |                                 | 1                    | 10            |
| Ethylbenzene                                   | <10                             |                                 | 1                    | 10            |
| Methyl Bromide                                 | <50                             |                                 | 1                    | 50            |
| Methyl Chloride                                | <50                             |                                 | 1                    | 50            |
| Methylene Chloride                             | <20                             |                                 | 1                    | 20            |
| 1,1,2,2-Tetrachloroethane                      | <10                             |                                 | 1                    | 10            |
| Tetrachloroethylene                            | <10                             |                                 | 1                    | 10            |
| Toluene  | <10                             |                                 | 1                    | 10            |
| 1,1,1-Trichloroethane                          | <10                             |                                 | 1                    | 10            |
| 1,1,2-Trichloroethane                          | <10                             |                                 | 1                    | 10            |
| Trichloroethylene                              | <10                             |                                 | 1                    | 10            |
| Vinyl Chloride                                 | <10                             |                                 | 1                    | 10            |

**Table 4.0(2)C – Acid Compounds**

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

**Table 4.0(2)D – Base/Neutral Compounds**

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



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

**Table 4.0(2)E - Pesticides**

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

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

# POLLUTION CONTROL SERVICES



## Report of Sample Analysis

| Client Information  | Sample Information   | Laboratory Information  |
|---|--|---|
| <b>Daniel Flores</b><br><b>San Antonio River Authority</b><br><b>100 E. Guenther St</b><br><b>San Antonio, TX 78204</b> | <b>Project Name:</b> Salatillo Major Permit Renewal<br><b>Sample ID:</b> Effluent<br><b>Matrix:</b> Non-Potable Water<br><b>Date/Time Taken:</b> 9/17/2024 07:00 | <b>PCS Sample #:</b> 775088 <b>Page 1 of 5</b><br><b>Date/Time Received:</b> 9/17/2024 10:33<br><b>Report Date:</b> 10/1/2024<br><br><b>Approved by:</b> <br>Chuck Wallgren, President |

| Test Description       | Result | Units             | RL   | Analysis Date/Time | Method        | Analyst |
|------------------------|--------|-------------------|------|--------------------|---------------|---------|
| CBOD5                  | <3     | mg/L              | 3    | 09/17/2024 14:56   | SM 5210 B     | PML     |
| Chloride_IC            | 208    | mg/L              | 2    | 09/18/2024 05:57   | EPA 300.0     | JAS     |
| Conductivity, Specific | 1,093  | µmhos/cm at 25° C | 1    | 09/19/2024 08:20   | SM 2510B      | LCC     |
| Nitrate-N_IC           | 5.3    | mg/L              | 0.2  | 09/18/2024 05:57   | EPA 300.0     | JAS     |
| Phosphorus, Total      | 3.23   | mg/L              | 0.10 | 09/20/2024 04:40   | SM 4500-P/B/E | JAS     |
| Sulfate_IC             | 75     | mg/L              | 2    | 09/18/2024 05:57   | EPA 300.0     | JAS     |
| Total Dissolved Solids | 656    | mg/L              | 10   | 09/18/2024 12:50   | SM 2540C      | CLH/BMR |
| Total Suspended Solids | <1     | mg/L              | 1    | 09/17/2024 16:45   | SM 2540 D     | LCC     |

| Test Description       | Precision | Quality Assurance Summary |     |     |     |     |     |           | Blank |
|------------------------|-----------|---------------------------|-----|-----|-----|-----|-----|-----------|-------|
|                        |           | Limit                     | LCL | MS  | MSD | UCL | LCS | LCS Limit |       |
| CBOD5                  | <1        | 23                        | N/A | N/A | N/A | N/A | 185 | 167 - 228 |       |
| Chloride_IC            | 1         | 10                        | 95  | 99  | 98  | 102 | 100 | 85 - 115  |       |
| Conductivity, Specific | N/A       | N/A                       | N/A |     |     | N/A |     |           |       |
| Nitrate-N_IC           | 1         | 20                        | 70  | 102 | 101 | 130 | 100 | 85 - 115  |       |
| Phosphorus, Total      | 2         | 10                        | 91  | 101 | 99  | 103 | 99  | 85 - 115  |       |
| Sulfate_IC             | 1         | 10                        | 94  | 99  | 98  | 101 | 108 | 85 - 115  |       |
| Total Dissolved Solids | 3.558     | 10                        | N/A | N/A | N/A | N/A |     |           |       |
| Total Suspended Solids | 5         | 10                        | N/A |     |     | N/A |     |           |       |

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 All data is reported on an 'As Is' basis unless designated as 'Dry Wt'.  
 RL = Reporting Limits  
 QC Data Reported in %, Except BOD in mg/L

# POLLUTION CONTROL SERVICES



## Report of Sample Analysis

| Client Information  | Sample Information   | Laboratory Information  |
|---|--|---|
| <b>Daniel Flores</b><br><b>San Antonio River Authority</b><br><b>100 E. Guenther St</b><br><b>San Antonio, TX 78204</b> | <b>Project Name:</b> Salatillo Major Permit Renewal<br><b>Sample ID:</b> Effluent<br><b>Matrix:</b> Non-Potable Water<br><b>Date/Time Taken:</b> 9/17/2024 07:00 | <b>PCS Sample #:</b> 775088 <b>Page 2 of 5</b><br><b>Date/Time Received:</b> 9/17/2024 10:33<br><b>Report Date:</b> 10/1/2024 |

| Test Description            | Result | Units | RL     | Analysis Date/Time | Method             | Analyst |
|-----------------------------|--------|-------|--------|--------------------|--------------------|---------|
| Ammonia-N (ISE)             | 0.9    | mg/L  | 0.1    | 09/19/2024 12:20   | SM 4500-NH3 D      | BMR     |
| Fluoride_IC                 | 0.36   | mg/L  | 0.20   | 09/18/2024 05:57   | EPA 300.0          | JAS     |
| Kjeldahl-N, Total           | 5      | mg/L  | 1      | 09/23/2024 10:05   | SM 4500-N B/C      | BMR     |
| Alkalinity, Total (@pH 4.5) | 186    | mg/L  | 10     | 09/20/2024 07:10   | SM 2320 B          | LCC     |
| Arsenic/ICP MS              | 0.0005 | mg/L  | 0.0005 | 09/26/2024 09:27   | EPA 200.8          | DJL     |
| Barium/ICP (Total)          | 0.079  | mg/L  | 0.010  | 09/19/2024 14:00   | EPA 200.7 / 6010 B | DJL     |
| Cadmium/ICP (Total)         | <0.001 | mg/L  | 0.001  | 09/19/2024 14:00   | EPA 200.7 / 6010 B | DJL     |
| Chromium/ICP (Total)        | <0.003 | mg/L  | 0.003  | 09/19/2024 14:00   | EPA 200.7 / 6010 B | DJL     |

| Test Description            | Precision | Quality Assurance Summary |     |     |     |     |     |           | Blank |
|-----------------------------|-----------|---------------------------|-----|-----|-----|-----|-----|-----------|-------|
|                             |           | Limit                     | LCL | MS  | MSD | UCL | LCS | LCS Limit |       |
| Ammonia-N (ISE)             | 1         | 10                        | 80  | 100 | 99  | 120 | 88  | 85 - 115  |       |
| Fluoride_IC                 | 1         | 10                        | 87  | 99  | 98  | 105 | 102 | 85 - 115  |       |
| Kjeldahl-N, Total           | 1         | 10                        | 90  | 99  | 100 | 109 | 106 | 85 - 115  | <1    |
| Alkalinity, Total (@pH 4.5) | 1         | 10                        | 95  | 98  | 99  | 107 | 98  | 85 - 115  |       |
| Arsenic/ICP MS              | 3         | 20                        | 70  | 105 | 102 | 130 | 99  | 85 - 115  |       |
| Barium/ICP (Total)          | <1        | 20                        | 75  | 93  | 93  | 125 | 100 | 85 - 115  |       |
| Cadmium/ICP (Total)         | 2         | 20                        | 75  | 100 | 98  | 125 | 100 | 85 - 115  |       |
| Chromium/ICP (Total)        | 1         | 20                        | 75  | 95  | 94  | 125 | 100 | 85 - 115  |       |

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 RL = Reporting Limits

# POLLUTION CONTROL SERVICES



## Report of Sample Analysis

| Client Information  | Sample Information   | Laboratory Information  |
|---|--|---|
| <b>Daniel Flores</b><br><b>San Antonio River Authority</b><br><b>100 E. Guenther St</b><br><b>San Antonio, TX 78204</b> | <b>Project Name:</b> Salatillo Major Permit Renewal<br><b>Sample ID:</b> Effluent<br><b>Matrix:</b> Non-Potable Water<br><b>Date/Time Taken:</b> 9/17/2024 07:00 | <b>PCS Sample #:</b> 775088 <b>Page 3 of 5</b><br><b>Date/Time Received:</b> 9/17/2024 10:33<br><b>Report Date:</b> 10/1/2024 |

| Test Description      | Flag | Result  | Units | RL     | Analysis Date/Time | Method             | Analyst |
|-----------------------|------|---------|-------|--------|--------------------|--------------------|---------|
| Copper/ICP (Total)    |      | 0.005   | mg/L  | 0.002  | 09/19/2024 14:00   | EPA 200.7 / 6010 B | DJL     |
| Lead/ICP MS           |      | <0.0005 | mg/L  | 0.0005 | 09/26/2024 09:27   | EPA 200.8          | DJL     |
| Aluminum/ICP (Total)  |      | 0.011   | mg/L  | 0.010  | 09/19/2024 15:30   | EPA 200.7 / 6010 B | DJL     |
| Beryllium/ICP (Total) |      | <0.0005 | mg/L  | 0.0005 | 09/19/2024 14:00   | EPA 200.7 / 6010 B | DJL     |
| Trivalent Chromium    |      | <0.003  | mg/L  | N/A    | 09/19/2024 14:00   | Calculation        | DJL     |
| Hexavalent Chrome     | R    | <0.003  | mg/L  | 0.003  | 09/17/2024 16:05   | SM 3500-Cr B       | DJL     |
| Nickel/ICP (Total)    |      | 0.003   | mg/L  | 0.002  | 09/19/2024 14:00   | EPA 200.7 / 6010 B | DJL     |
| Zinc/ICP (Total)      |      | 0.025   | mg/L  | 0.005  | 09/19/2024 14:00   | EPA 200.7 / 6010 B | DJL     |

| Test Description      | Precision | Quality Assurance Summary |     |     |     |     |     |           | Blank |
|-----------------------|-----------|---------------------------|-----|-----|-----|-----|-----|-----------|-------|
|                       |           | Limit                     | LCL | MS  | MSD | UCL | LCS | LCS Limit |       |
| Copper/ICP (Total)    | <1        | 20                        | 75  | 100 | 100 | 125 | 105 | 85 - 115  |       |
| Lead/ICP MS           | 3         | 20                        | 70  | 111 | 108 | 130 | 106 | 85 - 115  |       |
| Aluminum/ICP (Total)  | 10        | 20                        | 75  | 109 | 99  | 125 | 95  | 85 - 115  |       |
| Beryllium/ICP (Total) | 1         | 20                        | 75  | 99  | 98  | 125 | 100 | 85 - 115  |       |
| Trivalent Chromium    | N/A       | N/A                       | N/A |     |     | N/A |     |           |       |
| Hexavalent Chrome     | 2         | 20                        | 75  | *72 | *74 | 125 | 101 | 85 - 115  |       |
| Nickel/ICP (Total)    | 2         | 20                        | 75  | 93  | 91  | 125 | 100 | 85 - 115  |       |
| Zinc/ICP (Total)      | 1         | 20                        | 75  | 97  | 96  | 125 | 105 | 85 - 115  |       |

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\*Approved for release per QA Plan, Exception to Limits - QAM Section 13-4  
 R Spike recovery outside control limits due to matrix effect - LCS within limits

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 RL = Reporting Limits

# POLLUTION CONTROL SERVICES



## Report of Sample Analysis

| Client Information  | Sample Information   | Laboratory Information  |
|---|--|---|
| <b>Daniel Flores</b><br><b>San Antonio River Authority</b><br><b>100 E. Guenther St</b><br><b>San Antonio, TX 78204</b> | <b>Project Name:</b> Salatillo Major Permit Renewal<br><b>Sample ID:</b> Effluent<br><b>Matrix:</b> Non-Potable Water<br><b>Date/Time Taken:</b> 9/17/2024 07:00 | <b>PCS Sample #:</b> 775088 <b>Page 4 of 5</b><br><b>Date/Time Received:</b> 9/17/2024 10:33<br><b>Report Date:</b> 10/1/2024 |

| Test Description      | Result       | Units | RL     | Analysis Date/Time | Method    | Analyst |
|-----------------------|--------------|-------|--------|--------------------|-----------|---------|
| Antimony/ICP MS       | <0.005       | mg/L  | 0.005  | 09/26/2024 09:27   | EPA 200.8 | DJL     |
| Thallium/ICP MS       | <0.0005      | mg/L  | 0.0005 | 09/26/2024 09:27   | EPA 200.8 | DJL     |
| Selenium/ICP MS       | <0.005       | mg/L  | 0.005  | 09/26/2024 09:27   | EPA 200.8 | DJL     |
| Silver/ICP MS         | <0.0005      | mg/L  | 0.0005 | 09/26/2024 09:27   | EPA 200.8 | DJL     |
| Pesticides 617        | See Attached |       |        |                    | DHL       |         |
| 604.1 Hexachlorophene | See Attached |       |        |                    | DHL       |         |
| Semi Volatiles 625    | See Attached |       |        |                    | DHL       |         |
| Pesticides 608        | See Attached |       |        |                    | DHL       |         |

| Test Description      | Precision   | Quality Assurance Summary |     |     |     |     |     |           | Blank |
|-----------------------|---|---------------------------|-----|-----|-----|-----|-----|-----------|-------|
|                       |   | Limit                     | LCL | MS  | MSD | UCL | LCS | LCS Limit |       |
| Antimony/ICP MS       | 4   | 20                        | 70  | 107 | 103 | 130 | 100 | 85 - 115  |       |
| Thallium/ICP MS       | 2   | 20                        | 70  | 106 | 104 | 130 | 100 | 85 - 115  |       |
| Selenium/ICP MS       | 1   | 20                        | 70  | 106 | 104 | 130 | 103 | 85 - 115  |       |
| Silver/ICP MS         | 4   | 20                        | 70  | 98  | 94  | 130 | 102 | 85 - 115  |       |
| Pesticides 617        | See Attached Report for Quality Assurance Information |                           |     |     |     |     |     |           |       |
| 604.1 Hexachlorophene | See Attached Report for Quality Assurance Information |                           |     |     |     |     |     |           |       |
| Semi Volatiles 625    | See Attached Report for Quality Assurance Information |                           |     |     |     |     |     |           |       |
| Pesticides 608        | See Attached Report for Quality Assurance Information |                           |     |     |     |     |     |           |       |

**Quality Statement:** All supporting quality data adhered to data quality objectives and test results meet the requirements of NELAC unless otherwise noted as flagged exceptions or in a case narrative attachment. Reports with full quality data deliverables are available on request.

These analytical results relate only to the sample tested.  
 All data is reported on an 'As Is' basis unless designated as 'Dry Wt'.  
 RL = Reporting Limits

# POLLUTION CONTROL SERVICES



## Report of Sample Analysis

| Client Information  | Sample Information   | Laboratory Information  |
|---|--|---|
| <b>Daniel Flores</b><br><b>San Antonio River Authority</b><br><b>100 E. Guenther St</b><br><b>San Antonio, TX 78204</b> | <b>Project Name:</b> Salatillo Major Permit Renewal<br><b>Sample ID:</b> Effluent<br><b>Matrix:</b> Non-Potable Water<br><b>Date/Time Taken:</b> 9/17/2024 07:00 | <b>PCS Sample #:</b> 775088 <b>Page 5 of 5</b><br><b>Date/Time Received:</b> 9/17/2024 10:33<br><b>Report Date:</b> 10/1/2024 |

| Test Description | Result       | Units | RL | Analysis Date/Time | Method | Analyst |
|------------------|--------------|-------|----|--------------------|--------|---------|
| Pesticides 632   | See Attached |       |    |                    | DHL    |         |
| Pesticide 1657   | See Attached |       |    |                    | DHL    |         |
| Herbicides 615   | See Attached |       |    |                    | SPL    |         |

| Test Description | Quality Assurance Summary                             |       |     |    |     |     |     |           | Blank |
|------------------|---|-------|-----|----|-----|-----|-----|-----------|-------|
|                  | Precision   | Limit | LCL | MS | MSD | UCL | LCS | LCS Limit |       |
| Pesticides 632   | See Attached Report for Quality Assurance Information |       |     |    |     |     |     |           |       |
| Pesticide 1657   | See Attached Report for Quality Assurance Information |       |     |    |     |     |     |           |       |
| Herbicides 615   | See Attached Report for Quality Assurance Information |       |     |    |     |     |     |           |       |

**Quality Statement:** All supporting quality data adhered to data quality objectives and test results meet the requirements of NELAC unless otherwise noted as flagged exceptions or in a case narrative attachment. Reports with full quality data deliverables are available on request.


These analytical results relate only to the sample tested.  
 All data is reported on an 'As Is' basis unless designated as 'Dry Wt'.  
 RL = Reporting Limits



# POLLUTION CONTROL SERVICES



## Report of Sample Analysis

| Client Information  | Sample Information  | Laboratory Information  |
|---|---|---|
| <b>Daniel Flores</b><br><b>San Antonio River Authority</b><br><b>100 E. Guenther St</b><br><b>San Antonio, TX 78204</b> | <b>Project Name:</b> Saltillo Major Permit Renewal<br><b>Sample ID:</b> Effluent<br><b>Matrix:</b> Non-Potable Water<br><b>Date/Time Taken:</b> 9/17/2024 09:45 | <b>PCS Sample #:</b> 775089 <b>Page 1 of 1</b><br><b>Date/Time Received:</b> 9/17/2024 10:33<br><b>Report Date:</b> 10/4/2024<br><b>Approved by:</b> <br>Chuck Wallgren, President |

| Test Description        | Flag | Result       | Units | RL       | Analysis Date/Time | Method       | Analyst |
|-------------------------|------|--------------|-------|----------|--------------------|--------------|---------|
| Oil and Grease (H.E.M.) |      | <5.0         | mg/L  | 5        | 09/23/2024 09:00   | EPA 1664 Rev | EMV     |
| Mercury/CVAFS           |      | <0.000005    | mg/L  | 0.000005 | 10/04/2024 09:39   | EPA 245.7    | DJL     |
| Phenols, Distillable    |      | See Attached |       |          |                    | SPL          |         |
| Cyanide, Amenable       | +    | See Attached |       |          |                    | DHL          |         |
| Volatiles 624           |      | See Attached |       |          |                    | DHL          |         |

| Test Description        | Quality Assurance Summary                             |       |     |     |     |     |     |           |          |
|-------------------------|---|-------|-----|-----|-----|-----|-----|-----------|----------|
|                         | Precision   | Limit | LCL | MS  | MSD | UCL | LCS | LCS Limit | Blank    |
| Oil and Grease (H.E.M.) | 2   | 18    | N/A | N/A | N/A | N/A | 96  | 78 - 114  |          |
| Mercury/CVAFS           | 7   | 20    | 70  | 106 | 98  | 130 | 112 | 70 - 130  | <1.8ng/L |
| Phenols, Distillable    | See Attached Report for Quality Assurance Information |       |     |     |     |     |     |           |          |
| Cyanide, Amenable       | See Attached Report for Quality Assurance Information |       |     |     |     |     |     |           |          |
| Volatiles 624           | See Attached Report for Quality Assurance Information |       |     |     |     |     |     |           |          |

**Quality Statement:** All supporting quality data adhered to data quality objectives and test results meet the requirements of NELAP unless otherwise noted as flagged exceptions or in a case narrative attachment. Reports with full quality data deliverables are available on request.

Subcontract Work - NELAP Certified Lab

These analytical results relate only to the sample tested.  
 All data is reported on an 'As Is' basis unless designated as 'Dry Wt'.  
 RL = Reporting Limits



# POLLUTION CONTROL SERVICES

Chain of Custody Number

**775088**

## MULTIPLE SAMPLE ANALYSIS REQUEST AND CHAIN OF CUSTODY FORM

Stamp 1<sup>st</sup> sample and COC as same number

| CUSTOMER INFORMATION   |                                |                                |                                   | REPORT INFORMATION  |   |   |        |   |  |  |   |           |         |                     |               |              |   |  |
|--|--------------------------------|--------------------------------|-----------------------------------|---|---|---|--------|---|--|--|---|-----------|---------|---------------------|---------------|--------------|---|--|
| Name: San Antonio River Authority  |                                |                                |                                   | Attention: Russell Neal   |   |   |        |   |  | Phone: (210) 844-0201                  |   |           |         | Fax: (210) 661-9324 |               |              |   |  |
| SAMPLE INFORMATION   |                                |                                |                                   | Requested Analysis  |   |   |        |   |  |  |   |           |         |                     |               |              |   |  |
| Project Information:<br>Salatrillo - TCEQ Major Permit Renewal<br>Report "Soils" <input type="checkbox"/> As Is <input type="checkbox"/> Dry Wt. |                                |                                | Collected By: <i>Ernest Muñoz</i> |   |   |   |        |   |  |  |   |           |         |                     |               |              |   |  |
| Client / Field Sample ID   | Collected                      |                                | Field Chlorine Residual mg/L      | Composite or Grab   | Matrix  | Type  | Number | Preservative  | CBOD, TSS, TDS, SOL, Cl, SpCond<br>Hex, TPCr, NQDN, Talc, F <sub>2</sub> | NH <sub>3</sub> N, TKN, TPOAP, Metals* | 604.1 Hex, Herb 615, Pest 1657,<br>698, 617, 632, SVOC 625, | FOG (HEM) | VOC 624 | CN-A                | Phenol (Dist) | Low Level Hg | Instructions/Comments:<br>*Al, Ba, Be, Cd, Cr, Cu, Ni, Zn, SbMS,<br>AsMS, PbMS, SeMS, AgMS, TMS |  |
|  | Date                           | Time                           |                                   |   | DW-Drinking Water; NPW-Non-potable water; WW-Wastewater; LW-Liquid Waste  |   |        |   |  |  |   |           |         |                     |               |              |   |  |
| Effluent   | Start: 9-16-24<br>End: 9-17-24 | Start: 9:00 AM<br>End: 7:00 AM |                                   | <input checked="" type="checkbox"/> C<br><input type="checkbox"/> G | <input type="checkbox"/> DW <input checked="" type="checkbox"/> NPW<br><input type="checkbox"/> WW <input type="checkbox"/> Soil<br><input type="checkbox"/> Sludge <input type="checkbox"/> LW<br><input type="checkbox"/> Other | <input type="checkbox"/> P<br><input checked="" type="checkbox"/> G<br><input type="checkbox"/> O | 10     | <input checked="" type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> HNO <sub>3</sub><br><input type="checkbox"/> H <sub>3</sub> PO <sub>4</sub> <input type="checkbox"/> NaOH<br><input type="checkbox"/> ICE | X  | X                                      | X   |           |         |                     |               |              |   | PCS Sample Number<br><b>775088</b><br><input checked="" type="checkbox"/> S <input type="checkbox"/> B <input checked="" type="checkbox"/> N <input type="checkbox"/> HEM Other: |
| Effluent   | Start: 9-17-24<br>End: 9-18-24 | Start: 9:45 AM<br>End: 9:45 AM |                                   | <input type="checkbox"/> C<br><input checked="" type="checkbox"/> G | <input type="checkbox"/> DW <input checked="" type="checkbox"/> NPW<br><input type="checkbox"/> WW <input type="checkbox"/> Soil<br><input type="checkbox"/> Sludge <input type="checkbox"/> LW<br><input type="checkbox"/> Other | <input type="checkbox"/> P<br><input checked="" type="checkbox"/> G<br><input type="checkbox"/> O | 10     | <input checked="" type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> HNO <sub>3</sub><br><input type="checkbox"/> H <sub>3</sub> PO <sub>4</sub> <input type="checkbox"/> NaOH<br><input type="checkbox"/> ICE |  |  |   | X         | X       | X                   | X             | X            |   | PCS Sample Number<br><b>775089</b><br><input type="checkbox"/> S <input type="checkbox"/> B <input checked="" type="checkbox"/> N <input type="checkbox"/> HEM Other: <i>NOH</i> |
|  | Start:                         | Start:                         |                                   | <input type="checkbox"/> C<br><input type="checkbox"/> G            | <input type="checkbox"/> DW <input type="checkbox"/> NPW<br><input type="checkbox"/> WW <input type="checkbox"/> Soil<br><input type="checkbox"/> Sludge <input type="checkbox"/> LW<br><input type="checkbox"/> Other            | <input type="checkbox"/> P<br><input type="checkbox"/> G<br><input type="checkbox"/> O            |        | <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> HNO <sub>3</sub><br><input type="checkbox"/> H <sub>3</sub> PO <sub>4</sub> <input type="checkbox"/> NaOH<br><input type="checkbox"/> ICE            |  |  |   |           |         |                     |               |              |   | <input type="checkbox"/> S <input type="checkbox"/> B <input type="checkbox"/> N <input type="checkbox"/> HEM Other:   |
|  | Start:                         | Start:                         |                                   | <input type="checkbox"/> C<br><input type="checkbox"/> G            | <input type="checkbox"/> DW <input type="checkbox"/> NPW<br><input type="checkbox"/> WW <input type="checkbox"/> Soil<br><input type="checkbox"/> Sludge <input type="checkbox"/> LW<br><input type="checkbox"/> Other            | <input type="checkbox"/> P<br><input type="checkbox"/> G<br><input type="checkbox"/> O            |        | <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> HNO <sub>3</sub><br><input type="checkbox"/> H <sub>3</sub> PO <sub>4</sub> <input type="checkbox"/> NaOH<br><input type="checkbox"/> ICE            |  |  |   |           |         |                     |               |              |   | <input type="checkbox"/> S <input type="checkbox"/> B <input type="checkbox"/> N <input type="checkbox"/> HEM Other:   |
|  | Start:                         | Start:                         |                                   | <input type="checkbox"/> C<br><input type="checkbox"/> G            | <input type="checkbox"/> DW <input type="checkbox"/> NPW<br><input type="checkbox"/> WW <input type="checkbox"/> Soil<br><input type="checkbox"/> Sludge <input type="checkbox"/> LW<br><input type="checkbox"/> Other            | <input type="checkbox"/> P<br><input type="checkbox"/> G<br><input type="checkbox"/> O            |        | <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> HNO <sub>3</sub><br><input type="checkbox"/> H <sub>3</sub> PO <sub>4</sub> <input type="checkbox"/> NaOH<br><input type="checkbox"/> ICE            |  |  |   |           |         |                     |               |              |   | <input type="checkbox"/> S <input type="checkbox"/> B <input type="checkbox"/> N <input type="checkbox"/> HEM Other:   |
|  | Start:                         | Start:                         |                                   | <input type="checkbox"/> C<br><input type="checkbox"/> G            | <input type="checkbox"/> DW <input type="checkbox"/> NPW<br><input type="checkbox"/> WW <input type="checkbox"/> Soil<br><input type="checkbox"/> Sludge <input type="checkbox"/> LW<br><input type="checkbox"/> Other            | <input type="checkbox"/> P<br><input type="checkbox"/> G<br><input type="checkbox"/> O            |        | <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> HNO <sub>3</sub><br><input type="checkbox"/> H <sub>3</sub> PO <sub>4</sub> <input type="checkbox"/> NaOH<br><input type="checkbox"/> ICE            |  |  |   |           |         |                     |               |              |   | <input type="checkbox"/> S <input type="checkbox"/> B <input type="checkbox"/> N <input type="checkbox"/> HEM Other:   |
|  | Start:                         | Start:                         |                                   | <input type="checkbox"/> C<br><input type="checkbox"/> G            | <input type="checkbox"/> DW <input type="checkbox"/> NPW<br><input type="checkbox"/> WW <input type="checkbox"/> Soil<br><input type="checkbox"/> Sludge <input type="checkbox"/> LW<br><input type="checkbox"/> Other            | <input type="checkbox"/> P<br><input type="checkbox"/> G<br><input type="checkbox"/> O            |        | <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> HNO <sub>3</sub><br><input type="checkbox"/> H <sub>3</sub> PO <sub>4</sub> <input type="checkbox"/> NaOH<br><input type="checkbox"/> ICE            |  |  |   |           |         |                     |               |              |   | <input type="checkbox"/> S <input type="checkbox"/> B <input type="checkbox"/> N <input type="checkbox"/> HEM Other:   |
|  | Start:                         | Start:                         |                                   | <input type="checkbox"/> C<br><input type="checkbox"/> G            | <input type="checkbox"/> DW <input type="checkbox"/> NPW<br><input type="checkbox"/> WW <input type="checkbox"/> Soil<br><input type="checkbox"/> Sludge <input type="checkbox"/> LW<br><input type="checkbox"/> Other            | <input type="checkbox"/> P<br><input type="checkbox"/> G<br><input type="checkbox"/> O            |        | <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> HNO <sub>3</sub><br><input type="checkbox"/> H <sub>3</sub> PO <sub>4</sub> <input type="checkbox"/> NaOH<br><input type="checkbox"/> ICE            |  |  |   |           |         |                     |               |              |   | <input type="checkbox"/> S <input type="checkbox"/> B <input type="checkbox"/> N <input type="checkbox"/> HEM Other:   |

Required Turnaround: ☐ Routine (6-10 days) ☒ EXPEDITE: (See Surcharge Schedule) ☐ < 8 Hrs. ☐ < 16 Hrs. ☐ < 24 Hrs. ☐ 5 days ☐ Other: Rush Charges Authorized by:

Sample Archive/Disposal: ☐ Laboratory Standard ☐ Hold for client pick up Container Type: P = Plastic, G = Glass, O = Other Carrier ID:

|                                     |               |                |                                 |               |             |
|-------------------------------------|---------------|----------------|---------------------------------|---------------|-------------|
| Relinquished By: <i>[Signature]</i> | Date: 9-17-24 | Time: 10:33 AM | Received By: <i>[Signature]</i> | Date: 9/17/24 | Time: 10:33 |
| Relinquished By:                    | Date:         | Time:          | Received By:                    | Date:         | Time:       |

Rev. Multiple Sample COC\_20180628

1532 Universal City Blvd., Ste. 100, Universal City, Texas 78148

P (210) 340-0343 or (800) 880-4616 - F (210) 658-7903

Z:\COC\F\Fredericksburg\_City\_of\FredericksburgTCEQPermit

Login at [www.pcslab.net](http://www.pcslab.net)

1118544 CoC Print Group 001 of 001

## POLLUTION CONTROL SERVICES

1532 Universal City Blvd, Suite 100  
Universal City, TX 78148-3318  
Facsimile 210.658.7903  
210.340.0343

## CHAIN OF CUSTODY &amp; SUBCONTRACT TRACKING SHEET

TO: SPL Relinquished by: Emily Voges *TAPEX*  
2600 Dudley Road Date/Time: 09/17/2024 @1500  
Kilgore, TX 75662 Received by: *McGee from forxy*  
Date/Time: 9/18/24 1025

| PCS#   | Date       | Time  | Analysis Requested              | Pres                                 | T. A. T. |
|--------|------------|-------|---------------------------------|--------------------------------------|----------|
| 775088 | 09/17/2024 | 07:00 | Herbicides 615 <i>2335 566</i>  | Ice                                  | Std      |
| 775089 | 09/17/2024 | 09:45 | Phenols, Distillable <i>568</i> | H <sub>2</sub> SO <sub>4</sub> , Ice | Std      |
|        |            |       |                                 |                                      |          |
|        |            |       |                                 |                                      |          |
|        |            |       |                                 |                                      |          |
|        |            |       |                                 |                                      |          |
|        |            |       |                                 |                                      |          |
|        |            |       |                                 |                                      |          |
|        |            |       |                                 |                                      |          |
|        |            |       |                                 |                                      |          |

Comments/Special Instructions: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Unless otherwise requested, send results and invoice to:

Chuck Wallgren  
Pollution Control Services  
1532 Universal City Blvd, Suite 100  
Universal City, TX 78148-3318Authorized by: *[Signature]*

Date: 9/17/2024

Project  
1118544

PCSL-C

Pollution Control Services Laboratories  
Chuck Wallgren  
1532 Universal City Blvd.  
Suite 100  
Universal City, TX 78148

Printed 10/01/2024  
12:16

TABLE OF CONTENTS

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

| Report Name                   | Description   | Pages |
|-------------------------------|---|-------|
| 1118544_r02_01_ProjectSamples | SPL Kilgore Project P:1118544 C:PCSL Project Sample Cross Reference t:304 | 1     |
| 1118544_r03_03_ProjectResults | SPL Kilgore Project P:1118544 C:PCSL Project Results t:304                | 3     |
| 1118544_r10_05_ProjectQC      | SPL Kilgore Project P:1118544 C:PCSL Project Quality Control Groups       | 2     |
| 1118544_r99_09_CoC__1_of_1    | SPL Kilgore CoC PCSL 1118544_1_of_1                                       | 2     |
| Total Pages:                  |   | 8     |



## SAMPLE CROSS REFERENCE

Project  
**1118544**

Pollution Control Services Laboratories  
 Chuck Wallgren  
 1532 Universal City Blvd.  
 Suite 100  
 Universal City, TX 78148

Printed 10/1/2024 Page 1 of 1  
 ww

| Sample  | Sample ID | Taken      | Time     | Received   |
|---------|-----------|------------|----------|------------|
| 2335566 | 775088    | 09/17/2024 | 07:00:00 | 09/18/2024 |

Bottle 01 Client Supplied Amber Glass

Bottle 02 Prepared Bottle: 2 mL Autosampler Vial (Batch 1139567) Volume: 1.00000 mL <== Derived from 01 ( 949 ml )

|         |        |         |             |         |            |
|---------|--------|---------|-------------|---------|------------|
| Method  | Bottle | PrepSet | Preparation | QcGroup | Analytical |
| EPA 615 | 02     | 1139567 | 09/24/2024  | 1140168 | 09/27/2024 |

| Sample  | Sample ID | Taken      | Time     | Received   |
|---------|-----------|------------|----------|------------|
| 2335568 | 775089    | 09/17/2024 | 09:45:00 | 09/18/2024 |

Bottle 01 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid

Bottle 02 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1138833) Volume: 6.00000 mL <== Derived from 01 ( 6 ml )

|             |        |         |             |         |            |
|-------------|--------|---------|-------------|---------|------------|
| Method      | Bottle | PrepSet | Preparation | QcGroup | Analytical |
| EPA 420.4 1 | 02     | 1138833 | 09/19/2024  | 1139503 | 09/24/2024 |

Email: Kilgore.ProjectManagement@spllabs.com

Report Page 2 of 9



**PCSL-C**

Page 1 of 3

Pollution Control Services Laboratories  
Chuck Wallgren  
1532 Universal City Blvd.  
Suite 100  
Universal City, TX 78148

Project  
**1118544**

Printed: 10/01/2024

**RESULTS**

**Sample Results**

2335566 775088

Received: 09/18/2024

Non-Potable Water

Collected by: Client

Pollution Control Se

PO:

Taken: 09/17/2024

07:00:00

EPA 615

Prepared: 1139567 09/24/2024 13:50:00 Analyzed 1140168 09/27/2024 03:08:00 KAP

|       | Parameter                      | Results | Units | RL     | Flags | CAS     | Bottle |
|-------|--------------------------------|---------|-------|--------|-------|---------|--------|
| NELAC | 2,4 Dichlorophenoxyacetic acid | <0.0527 | ug/L  | 0.0527 |       | 94-75-7 | 02     |
| NELAC | 2,4,5-TP (Silvex)              | <0.0316 | ug/L  | 0.0316 |       | 93-72-1 | 02     |

2335568 775089

Received: 09/18/2024

Non-Potable Water

Collected by: Client

Pollution Control Se

PO:

Taken: 09/17/2024

09:45:00

EPA 420.4 I

Prepared: 1138833 09/19/2024 11:45:24 Analyzed 1139503 09/24/2024 08:32:00 AMB

|       | Parameter                    | Results | Units | RL    | Flags | CAS | Bottle |
|-------|------------------------------|---------|-------|-------|-------|-----|--------|
| NELAC | Phenolics, Total Recoverable | 0.016   | mg/L  | 0.005 |       |     | 02     |

**Sample Preparation**

2335566 775088

Received: 09/18/2024

09/17/2024

Prepared: 0 09/18/2024 16:13:17 Calculated 09/18/2024 16:13:17 CAL

Return Cooler with bottles

Verified



Report Page 3 of 9

# PCSL-C

Page 2 of 3

Pollution Control Services Laboratories  
 Chuck Wallgren  
 1532 Universal City Blvd.  
 Suite 100  
 Universal City, TX 78148

Project  
**1118544**

Printed: 10/01/2024

2335566 775088

Received: 09/18/2024

09/17/2024

|         |                          |                   |            |          |                  |            |          |     |
|---------|--------------------------|-------------------|------------|----------|------------------|------------|----------|-----|
| EPA 615 |                          | Prepared: 1139567 | 09/24/2024 | 13:50:00 | Analyzed 1139567 | 09/24/2024 | 13:50:00 | LSM |
| NELAC   | Esterification of Sample | 1/949             | ml         |          |                  |            |          | 01  |
| EPA 615 |                          | Prepared: 1139567 | 09/24/2024 | 13:50:00 | Analyzed 1140168 | 09/27/2024 | 03:08:00 | KAP |
| NELAC   | Herbicides by GC         | Entered           |            |          |                  |            |          | 02  |

2335568 775089

Received: 09/18/2024

09/17/2024

|             |                            |                   |            |          |                  |            |          |     |
|-------------|----------------------------|-------------------|------------|----------|------------------|------------|----------|-----|
|             |                            | Prepared: 0       | 09/18/2024 | 16:13:17 | Calculated       | 09/18/2024 | 16:13:17 | CAL |
| z           | Return Cooler with bottles | Verified          |            |          |                  |            |          |     |
| EPA 420.4 I |                            | Prepared: 1138833 | 09/19/2024 | 11:45:24 | Analyzed 1138833 | 09/19/2024 | 11:45:24 | SRJ |
| NELAC       | Phenol Distillation        | 6/6               | ml         |          |                  |            |          | 01  |



Report Page 4 of 9



## PCSL-C

Page 3 of 3

**Pollution Control Services Laboratories**  
**Chuck Wallgren**  
**1532 Universal City Blvd.**  
**Suite 100**  
**Universal City, TX 78148**



Printed: 10/01/2024

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**



Report Page 5 of 9

# QUALITY CONTROL



**SPL**  
The Science of Sure

1  
2  
3

## PCSL-C

Pollution Control Services Laboratories  
Chuck Wallgren  
1532 Universal City Blvd.  
Suite 100  
Universal City, TX 78148

Page 1 of 2

*Project*  
**1118544**

Printed 10/01/2024

Analytical Set 1139503

EPA 420.4 1

### Blank

| <u>Parameter</u>             | <u>PrepSet</u> | <u>Reading</u> | <u>MDL</u> | <u>MQL</u> | <u>Units</u> | <u>File</u> |
|------------------------------|----------------|----------------|------------|------------|--------------|-------------|
| Phenolics, Total Recoverable | 1138833        | ND             | 0.003      | 0.005      | mg/L         | 126809832   |

### CCV

| <u>Parameter</u>             | <u>Reading</u> | <u>Known</u> | <u>Units</u> | <u>Recover%</u> | <u>Limits%</u> | <u>File</u> |
|------------------------------|----------------|--------------|--------------|-----------------|----------------|-------------|
| Phenolics, Total Recoverable | 0.199          | 0.200        | mg/L         | 99.5            | 90.0 - 110     | 126809831   |
| Phenolics, Total Recoverable | 0.199          | 0.200        | mg/L         | 99.5            | 90.0 - 110     | 126809840   |
| Phenolics, Total Recoverable | 0.194          | 0.200        | mg/L         | 97.0            | 90.0 - 110     | 126809846   |
| Phenolics, Total Recoverable | 0.192          | 0.200        | mg/L         | 96.0            | 90.0 - 110     | 126809857   |
| Phenolics, Total Recoverable | 0.191          | 0.200        | mg/L         | 95.5            | 90.0 - 110     | 126809860   |

### Duplicate

| <u>Parameter</u>             | <u>Sample</u> | <u>Rcsult</u> | <u>Unknown</u> | <u>Unit</u> | <u>RPD</u> | <u>Limit%</u> |
|------------------------------|---------------|---------------|----------------|-------------|------------|---------------|
| Phenolics, Total Recoverable | 2334706       | 0.034         | 0.036          | mg/L        | 5.71       | 20.0          |
| Phenolics, Total Recoverable | 2335734       | 0.070         | 0.077          | mg/L        | 9.52       | 20.0          |

### ICV

| <u>Parameter</u>             | <u>Reading</u> | <u>Known</u> | <u>Units</u> | <u>Recover%</u> | <u>Limits%</u> | <u>File</u> |
|------------------------------|----------------|--------------|--------------|-----------------|----------------|-------------|
| Phenolics, Total Recoverable | 0.202          | 0.200        | mg/L         | 101             | 90.0 - 110     | 126809830   |

### LCS Dup

| <u>Parameter</u>             | <u>PrepSet</u> | <u>LCS</u> | <u>LCSD</u> | <u>Known</u> | <u>Limits%</u> | <u>LCS%</u> | <u>LCSD%</u> | <u>Units</u> | <u>RPD</u> | <u>Limit%</u> |
|------------------------------|----------------|------------|-------------|--------------|----------------|-------------|--------------|--------------|------------|---------------|
| Phenolics, Total Recoverable | 1138833        | 0.193      | 0.198       | 0.200        | 90.0 - 110     | 96.5        | 99.0         | mg/L         | 2.56       | 20.0          |

### Mat. Spike

| <u>Parameter</u>             | <u>Sample</u> | <u>Spike</u> | <u>Unknown</u> | <u>Known</u> | <u>Units</u> | <u>Recovery %</u> | <u>Limits %</u> | <u>File</u> |   |
|------------------------------|---------------|--------------|----------------|--------------|--------------|-------------------|-----------------|-------------|---|
| Phenolics, Total Recoverable | 2334706       | 0.214        | 0.036          | 0.200        | mg/L         | 89.0              | 90.0 - 110      | 126809837   | * |
| Phenolics, Total Recoverable | 2335734       | 0.313        | 0.077          | 0.200        | mg/L         | 118               | 90.0 - 110      | 126809841   | * |

Analytical Set 1140168

EPA 615

### Blank

| <u>Parameter</u>               | <u>PrepSet</u> | <u>Reading</u> | <u>MDL</u> | <u>MQL</u> | <u>Units</u> | <u>File</u> |
|--------------------------------|----------------|----------------|------------|------------|--------------|-------------|
| 2,4 Dichlorophenoxyacetic acid | 1139567        | ND             | 15.9       | 50.0       | ug/L         | 126826089   |
| 2,4,5-TP (Silvex)              | 1139567        | ND             | 0.0893     | 0.300      | ug/L         | 126826089   |

### CCV

| <u>Parameter</u>               | <u>Reading</u> | <u>Known</u> | <u>Units</u> | <u>Recover%</u> | <u>Limits%</u> | <u>File</u> |
|--------------------------------|----------------|--------------|--------------|-----------------|----------------|-------------|
| 2,4 Dichlorophenoxyacetic acid | 142            | 150          | ug/L         | 94.4            | 80.0 - 115     | 126826088   |
| 2,4 Dichlorophenoxyacetic acid | 139            | 150          | ug/L         | 92.7            | 80.0 - 115     | 126826097   |
| 2,4,5-TP (Silvex)              | 142            | 150          | ug/L         | 94.4            | 80.0 - 115     | 126826088   |
| 2,4,5-TP (Silvex)              | 139            | 150          | ug/L         | 92.7            | 80.0 - 115     | 126826097   |

### LCS Dup

| <u>Parameter</u>               | <u>PrepSet</u> | <u>LCS</u> | <u>LCSD</u> | <u>Known</u> | <u>Limits%</u> | <u>LCS%</u> | <u>LCSD%</u> | <u>Units</u> | <u>RPD</u> | <u>Limit%</u> |
|--------------------------------|----------------|------------|-------------|--------------|----------------|-------------|--------------|--------------|------------|---------------|
| 2,4 Dichlorophenoxyacetic acid | 1139567        | 95.5       | 92.0        | 100          | 0.100 - 319    | 95.5        | 92.0         | ug/L         | 3.73       | 30.0          |
| 2,4,5-TP (Silvex)              | 1139567        | 0.819      | 0.795       | 1.00         | 0.100 - 244    | 81.9        | 79.5         | ug/L         | 2.97       | 30.0          |

Email: Kilgore.ProjectManagement@spllabs.com



Report Page 6 of 9



# QUALITY CONTROL



**SPL**  
The Science of Sure

1  
2  
3

## PCSL-C

Pollution Control Services Laboratories  
Chuck Wallgren  
1532 Universal City Blvd.  
Suite 100  
Universal City, TX 78148

Page 2 of 2

Project  
**1118544**

Printed 10/01/2024

### Surrogate

| Parameter                     | Sample  | Type    | Reading | Known | Units | Recover% | Limits%     | File      |
|-------------------------------|---------|---------|---------|-------|-------|----------|-------------|-----------|
| 2,4-Dichlorophenylacetic Acid |         | CCV     | 139     | 200   | ug/L  | 69.5     | 0.100 - 313 | 126826088 |
| 2,4-Dichlorophenylacetic Acid |         | CCV     | 137     | 200   | ug/L  | 68.5     | 0.100 - 313 | 126826097 |
| 2,4-Dichlorophenylacetic Acid | 1139567 | Blank   | 130     | 200   | ug/L  | 65.0     | 0.100 - 313 | 126826089 |
| 2,4-Dichlorophenylacetic Acid | 1139567 | LCS     | 100     | 200   | ug/L  | 50.0     | 0.100 - 313 | 126826090 |
| 2,4-Dichlorophenylacetic Acid | 1139567 | LCS Dup | 97.2    | 200   | ug/L  | 48.6     | 0.100 - 313 | 126826091 |
| 2,4-Dichlorophenylacetic Acid | 2335566 | Unknown | 0.120   | 0.211 | ug/L  | 56.9     | 0.100 - 313 | 126826092 |

\* Out RPD is Relative Percent Difference:  $\text{abs}(r1-r2) / \text{mean}(r1,r2) * 100\%$

Recover% is Recovery Percent:  $\text{result} / \text{known} * 100\%$

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); ICV - Initial Calibration Verification; 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.)

Email: Kilgore.ProjectManagement@spllabs.com



Report Page 7 of 9

1118544 CoC Print Group 001 of 001

ORIGIN ID: NIRA (210) 340-0343  
CHUCK WALLGREN  
1532 UNIVERSAL CITY BLVD, #100  
UNIVERSAL CITY, TX 78148  
UNITED STATES US

SHIP DATE: 17SEP24  
ACTWGT: 7.00 LB  
CAD: 112447368/NET 4760  
DIMS: 13x9x9 IN  
BILL SENDER

TO  
SPL LAB KILGORE  
SPL LAB KILGORE  
2600 DUDLEY ROAD  
KILGORE TX 75662  
REF (903) 984-0551  
INV. PO. DEPT

583J2I4EF9J9AE3

TRK# 0201 7786 4771 7532  
WED - 18 SEP 10:30A  
PRIORITY OVERNIGHT  
AH G G G A  
TX-US SHV 75662


Date 9/17/2024  
Time 10:30  
Tech  
Temp: 46.145 C  
Therm#: 6443 Corr Fact: 0.1 C



After printing this label:

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# POLLUTION CONTROL SERVICES

1532 Universal City Blvd, Suite 100  
Universal City, TX 78148-3318  
Facsimile 210.658.7903  
210.340.0343

2409128

## CHAIN OF CUSTODY & SUBCONTRACT TRACKING SHEET

TO: DHL Analytical

2300 Double Creek Dr

Round Rock, TX 78664

Relinquished by: Emily Voges

Date/Time: 09/17/2024 @ 1500

Received by: [Signature]

Date/Time: 9/18/24 - 0953

via FedEx  
6

Analysis

Requested

| PCS#   | Date       | Time  | Analysis Requested    | Pres      | T. A. T. |
|--------|------------|-------|-----------------------|-----------|----------|
| 775088 | 09/17/2024 | 07:00 | 604.1 Hexachlorophene | Ice       | Std      |
| 775088 | -----      | ----  | Semi Volatiles 625    | Ice       | ----     |
| 775088 | -----      | ----  | Pesticide 1657        | Ice       | ----     |
| 775088 | -----      | ----  | Pesticides 608        | Ice       | ----     |
| 775088 | -----      | ----  | Pesticides 617        | Ice       | ----     |
| 775088 | -----      | ----  | Pesticides 632        | Ice       | ----     |
| 775089 | 09/17/2024 | 09:45 | Cyanide, Amenable     | NaOH, Ice | Std      |
| 775089 | -----      | ----- | Volatiles 624         | Ice       | Std      |
|        |            |       |                       |           |          |
|        |            |       |                       |           |          |

Comments/Special Instructions: 0.6°C therm#78 (custody) & not present

Unless otherwise requested, send results and invoice to:

Chuck Wallgren

Pollution Control Services

1532 Universal City Blvd, Suite 100

Universal City, TX 78148-3318

Authorized by: [Signature]

Date: 9/17/2024



September 30, 2024

Chuck Wallgren  
Pollution Control Services  
1532 Universal City Blvd. #100  
Universal City, TX 78148  
TEL: (210) 394-4570  
FAX:  
RE: PCS 775088

Order No.: 2409128

Dear Chuck Wallgren:

DHL Analytical, Inc. received 2 sample(s) on 9/18/2024 for the analyses presented in the following report.

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

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

Sincerely,

Joel Grice  
Executive VP of Environmental

This report was performed under the accreditation of the State of Texas Laboratory Certification  
Number: T104704211 - TX-C24-00120



# Table of Contents

|  |           |
|--|-----------|
| <b>Miscellaneous Documents .....</b>           | <b>3</b>  |
| <b>CaseNarrative 2409128 .....</b>             | <b>19</b> |
| <b>WorkOrderSampleSummary 2409128 .....</b>    | <b>20</b> |
| <b>Analytical Report 2409128 .....</b>         | <b>21</b> |
| <b>AnalyticalQCSummaryReport 2409128 .....</b> | <b>27</b> |

## DOMESTIC WORKSHEET 4.0

### POLLUTANT ANALYSES 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 for minor amendments without renewal

#### Section 1. Toxic Pollutants (Instructions Page 87)

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

Grab ☐ Composite ☐

Date and time sample(s) collected:

*Table 4.0(1) - Toxics Analysis*

| Pollutant          | AVG<br>Effluent<br>Conc.<br>(µg/l) | MAX<br>Effluent<br>Conc.<br>(µg/l) | Number<br>of<br>Samples | MAL<br>(µg/l) |
|--------------------|------------------------------------|------------------------------------|-------------------------|---------------|
| Acrylonitrile      |                                    |                                    |                         | 50            |
| Aldrin             |                                    |                                    |                         | 0.01          |
| Aluminum           |                                    |                                    |                         | 2.5           |
| Anthracene         |                                    |                                    |                         | 10            |
| Antimony           |                                    |                                    |                         | 5             |
| Arsenic            |                                    |                                    |                         | 0.5           |
| Barium             |                                    |                                    |                         | 3             |
| Benzene            |                                    |                                    |                         | 10            |
| Benzidine          |                                    |                                    |                         | 50            |
| Benzo(a)anthracene |                                    |                                    |                         | 5             |

| <b>Pollutant</b>           | <b>AVG<br/>Effluent<br/>Conc.<br/>(µg/l)</b> | <b>MAX<br/>Effluent<br/>Conc.<br/>(µg/l)</b> | <b>Number<br/>of<br/>Samples</b> | <b>MAL<br/>(µg/l)</b> |
|----------------------------|--|--|----------------------------------|-----------------------|
| Benzo(a)pyrene             |  |  |                                  | 5                     |
| Bis(2-chloroethyl)ether    |  |  |                                  | 10                    |
| Bis(2-ethylhexyl)phthalate |  |  |                                  | 10                    |
| Bromodichloromethane       |  |  |                                  | 10                    |
| Bromoform                  |  |  |                                  | 10                    |
| Cadmium                    |  |  |                                  | 1                     |
| Carbon Tetrachloride       |  |  |                                  | 2                     |
| Carbaryl                   |  |  |                                  | 5                     |
| Chlordane*                 |  |  |                                  | 0.2                   |
| Chlorobenzene              |  |  |                                  | 10                    |
| Chlorodibromomethane       |  |  |                                  | 10                    |
| Chloroform                 |  |  |                                  | 10                    |
| Chlorpyrifos               |  |  |                                  | 0.05                  |
| Chromium (Total)           |  |  |                                  | 3                     |
| Chromium (Tri) (*1)        |  |  |                                  | N/A                   |
| Chromium (Hex)             |  |  |                                  | 3                     |
| Copper                     |  |  |                                  | 2                     |
| Chrysene                   |  |  |                                  | 5                     |
| p-Chloro-m-Cresol          |  |  |                                  | 10                    |
| 4,6-Dinitro-o-Cresol       |  |  |                                  | 50                    |
| p-Cresol                   |  |  |                                  | 10                    |

| <b>Pollutant</b>       | <b>AVG<br/>Effluent<br/>Conc.<br/>(µg/l)</b> | <b>MAX<br/>Effluent<br/>Conc.<br/>(µg/l)</b> | <b>Number<br/>of<br/>Samples</b> | <b>MAL<br/>(µg/l)</b> |
|------------------------|--|--|----------------------------------|-----------------------|
| Cyanide (*2)           |  |  |                                  | 10                    |
| 4,4'- DDD              |  |  |                                  | 0.1                   |
| 4,4'- DDE              |  |  |                                  | 0.1                   |
| 4,4'- DDT              |  |  |                                  | 0.02                  |
| 2,4-D                  |  |  |                                  | 0.7                   |
| Demeton (O and S)      |  |  |                                  | 0.20                  |
| Diazinon               |  |  |                                  | 0.5/0.1               |
| 1,2-Dibromoethane      |  |  |                                  | 10                    |
| m-Dichlorobenzene      |  |  |                                  | 10                    |
| o-Dichlorobenzene      |  |  |                                  | 10                    |
| p-Dichlorobenzene      |  |  |                                  | 10                    |
| 3,3'-Dichlorobenzidine |  |  |                                  | 5                     |
| 1,2-Dichloroethane     |  |  |                                  | 10                    |
| 1,1-Dichloroethylene   |  |  |                                  | 10                    |
| Dichloromethane        |  |  |                                  | 20                    |
| 1,2-Dichloropropane    |  |  |                                  | 10                    |
| 1,3-Dichloropropene    |  |  |                                  | 10                    |
| Dicofol                |  |  |                                  | 1                     |
| Dieldrin               |  |  |                                  | 0.02                  |
| 2,4-Dimethylphenol     |  |  |                                  | 10                    |
| Di-n-Butyl Phthalate   |  |  |                                  | 10                    |



| <b>Pollutant</b>                         | <b>AVG<br/>Effluent<br/>Conc.<br/>(µg/l)</b> | <b>MAX<br/>Effluent<br/>Conc.<br/>(µg/l)</b> | <b>Number<br/>of<br/>Samples</b> | <b>MAL<br/>(µg/l)</b> |
|--|--|--|----------------------------------|-----------------------|
| Diuron                                   |  |  |                                  | 0.09                  |
| Endosulfan I (alpha)                     |  |  |                                  | 0.01                  |
| Endosulfan II (beta)                     |  |  |                                  | 0.02                  |
| Endosulfan Sulfate                       |  |  |                                  | 0.1                   |
| Endrin                                   |  |  |                                  | 0.02                  |
| Ethylbenzene                             |  |  |                                  | 10                    |
| Fluoride                                 |  |  |                                  | 500                   |
| Guthion                                  |  |  |                                  | 0.1                   |
| Heptachlor                               |  |  |                                  | 0.01                  |
| Heptachlor Epoxide                       |  |  |                                  | 0.01                  |
| Hexachlorobenzene                        |  |  |                                  | 5                     |
| Hexachlorobutadiene                      |  |  |                                  | 10                    |
| Hexachlorocyclohexane (alpha)            |  |  |                                  | 0.05                  |
| Hexachlorocyclohexane (beta)             |  |  |                                  | 0.05                  |
| gamma-Hexachlorocyclohexane<br>(Lindane) |  |  |                                  | 0.05                  |
| Hexachlorocyclopentadiene                |  |  |                                  | 10                    |
| Hexachloroethane                         |  |  |                                  | 20                    |
| Hexachlorophene                          |  |  |                                  | 10                    |
| Lead                                     |  |  |                                  | 0.5                   |
| Malathion                                |  |  |                                  | 0.1                   |

| <b>Pollutant</b>                          | <b>AVG<br/>Effluent<br/>Conc.<br/>(µg/l)</b> | <b>MAX<br/>Effluent<br/>Conc.<br/>(µg/l)</b> | <b>Number<br/>of<br/>Samples</b> | <b>MAL<br/>(µg/l)</b> |
|---|--|--|----------------------------------|-----------------------|
| Mercury                                   |  |  |                                  | 0.005                 |
| Methoxychlor                              |  |  |                                  | 2                     |
| Methyl Ethyl Ketone                       |  |  |                                  | 50                    |
| Mirex                                     |  |  |                                  | 0.02                  |
| Nickel                                    |  |  |                                  | 2                     |
| Nitrate-Nitrogen                          |  |  |                                  | 100                   |
| Nitrobenzene                              |  |  |                                  | 10                    |
| N-Nitrosodiethylamine                     |  |  |                                  | 20                    |
| N-Nitroso-di-n-Butylamine                 |  |  |                                  | 20                    |
| Nonylphenol                               |  |  |                                  | 333                   |
| Parathion (ethyl)                         |  |  |                                  | 0.1                   |
| Pentachlorobenzene                        |  |  |                                  | 20                    |
| Pentachlorophenol                         |  |  |                                  | 5                     |
| Phenanthrene                              |  |  |                                  | 10                    |
| Polychlorinated Biphenyls (PCB's)<br>(*3) |  |  |                                  | 0.2                   |
| Pyridine                                  |  |  |                                  | 20                    |
| Selenium                                  |  |  |                                  | 5                     |
| Silver                                    |  |  |                                  | 0.5                   |
| 1,2,4,5-Tetrachlorobenzene                |  |  |                                  | 20                    |
| 1,1,2,2-Tetrachloroethane                 |  |  |                                  | 10                    |

| <b>Pollutant</b>             | <b>AVG<br/>Effluent<br/>Conc.<br/>(µg/l)</b> | <b>MAX<br/>Effluent<br/>Conc.<br/>(µg/l)</b> | <b>Number<br/>of<br/>Samples</b> | <b>MAL<br/>(µg/l)</b> |
|------------------------------|--|--|----------------------------------|-----------------------|
| Tetrachloroethylene          |  |  |                                  | 10                    |
| Thallium                     |  |  |                                  | 0.5                   |
| Toluene                      |  |  |                                  | 10                    |
| Toxaphene                    |  |  |                                  | 0.3                   |
| 2,4,5-TP (Silvex)            |  |  |                                  | 0.3                   |
|                              |  |  |                                  | 0.01                  |
| 1,1,1-Trichloroethane        |  |  |                                  | 10                    |
| 1,1,2-Trichloroethane        |  |  |                                  | 10                    |
| Trichloroethylene            |  |  |                                  | 10                    |
| 2,4,5-Trichlorophenol        |  |  |                                  | 50                    |
| TTHM (Total Trihalomethanes) |  |  |                                  | 10                    |
| Vinyl Chloride               |  |  |                                  | 10                    |
| Zinc                         |  |  |                                  | 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: 3/26/2017 11:30

**Table 4.0(2)A - Metals, Cyanide, Phenols**

| Pollutant           | AVG<br>Effluent<br>Conc.<br>(µg/l) | MAX<br>Effluent<br>Conc.<br>(µg/l) | Number<br>of<br>Samples | MAL<br>(µg/l) |
|---------------------|------------------------------------|------------------------------------|-------------------------|---------------|
| Antimony            |                                    |                                    |                         | 5             |
| Arsenic             |                                    |                                    |                         | 0.5           |
| Beryllium           |                                    |                                    |                         | 0.5           |
| Cadmium             |                                    |                                    |                         | 1             |
| Chromium (Total)    |                                    |                                    |                         | 3             |
| Chromium (Hex)      |                                    |                                    |                         | 3             |
| Chromium (Tri) (*1) |                                    |                                    |                         | N/A           |
| Copper              |                                    |                                    |                         | 2             |
| Lead                |                                    |                                    |                         | 0.5           |
| Mercury             |                                    |                                    |                         | 0.005         |
| Nickel              |                                    |                                    |                         | 2             |
| Selenium            |                                    |                                    |                         | 5             |
| Silver              |                                    |                                    |                         | 0.5           |
| Thallium            |                                    |                                    |                         | 0.5           |
| Zinc                |                                    |                                    |                         | 5             |
| Cyanide (*2)        |                                    |                                    |                         | 10            |
| Phenols, Total      |                                    |                                    |                         | 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**

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

| <b>Pollutant</b>      | <b>AVG<br/>Effluent<br/>Conc.<br/>(µg/l)</b> | <b>MAX<br/>Effluent<br/>Conc.<br/>(µg/l)</b> | <b>Number<br/>of<br/>Samples</b> | <b>MAL<br/>(µg/l)</b> |
|-----------------------|--|--|----------------------------------|-----------------------|
| Toluene               |  |  |                                  | 10                    |
| 1,1,1-Trichloroethane |  |  |                                  | 10                    |
| 1,1,2-Trichloroethane |  |  |                                  | 10                    |
| Trichloroethylene     |  |  |                                  | 10                    |
| Vinyl Chloride        |  |  |                                  | 10                    |

*Table 4.0(2)C - Acid Compounds*

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

**Table 4.0(2)D - Base/Neutral Compounds**

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

| <b>Pollutant</b>                       | <b>AVG<br/>Effluent<br/>Conc.<br/>(µg/l)</b> | <b>MAX<br/>Effluent<br/>Conc.<br/>(µg/l)</b> | <b>Number<br/>of<br/>Samples</b> | <b>MAL<br/>(µg/l)</b> |
|--|--|--|----------------------------------|-----------------------|
| Di-n-Butyl Phthalate                   |  |  |                                  | 10                    |
| 2,4-Dinitrotoluene                     |  |  |                                  | 10                    |
| 2,6-Dinitrotoluene                     |  |  |                                  | 10                    |
| Di-n-Octyl Phthalate                   |  |  |                                  | 10                    |
| 1,2-Diphenylhydrazine (as Azo-benzene) |  |  |                                  | 20                    |
| Fluoranthene                           |  |  |                                  | 10                    |
| Fluorene                               |  |  |                                  | 10                    |
| Hexachlorobenzene                      |  |  |                                  | 5                     |
| Hexachlorobutadiene                    |  |  |                                  | 10                    |
| Hexachlorocyclo-pentadiene             |  |  |                                  | 10                    |
| Hexachloroethane                       |  |  |                                  | 20                    |
| Indeno(1,2,3-cd)pyrene                 |  |  |                                  | 5                     |
| Isophorone                             |  |  |                                  | 10                    |
| Naphthalene                            |  |  |                                  | 10                    |
| Nitrobenzene                           |  |  |                                  | 10                    |
| N-Nitrosodimethylamine                 |  |  |                                  | 50                    |
| N-Nitrosodi-n-Propylamine              |  |  |                                  | 20                    |
| N-Nitrosodiphenylamine                 |  |  |                                  | 20                    |
| Phenanthrene                           |  |  |                                  | 10                    |
| Pyrene                                 |  |  |                                  | 10                    |
| 1,2,4-Trichlorobenzene                 |  |  |                                  | 10                    |



**Table 4.0(2)E - Pesticides**

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

| <b>Pollutant</b> | <b>AVG<br/>Effluent<br/>Conc.<br/>(µg/l)</b> | <b>MAX<br/>Effluent<br/>Conc.<br/>(µg/l)</b> | <b>Number<br/>of<br/>Samples</b> | <b>MAL<br/>(µg/l)</b> |
|------------------|--|--|----------------------------------|-----------------------|
| PCB-1248         |  |  |                                  | 0.2                   |
| PCB-1260         |  |  |                                  | 0.2                   |
| PCB-1016         |  |  |                                  | 0.2                   |
| Toxaphene        |  |  |                                  | 0.3                   |

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

FROM: (210) 340-0343  
Chuck Wallgren

1532 Universal City Blvd. #100

Universal City TX 78148  
US

SHIP DATE: 17SEP24  
ACTWGT: 60.00 LB  
CAD: 112447368/NET4760  
DIMMED: 26 X 15 X 15 IN

BILL SENDER

TO John dupont  
DHL Analytical  
2300 Double Creek

ROUND ROCK TX 78664

(512) 388-8222

REF:

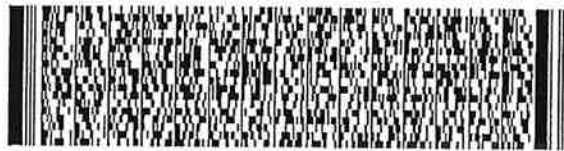
INV:

PO:

DEPT:

(US)

583J2MEF98AE3



FedEx.  
Ground

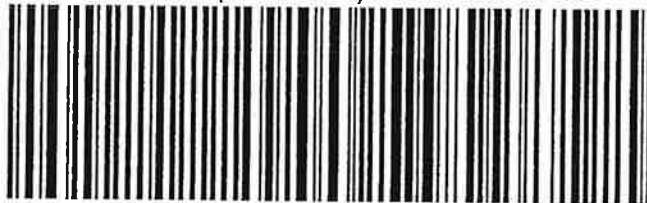


J243024071301uv

TRK# 7786 4745 6314

78664

9622 0019 0 (000 000 0000) 0 00 7786 4745 6314



## Sample Receipt Checklist

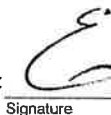
Client Name: Pollution Control Services

Date Received: 9/18/2024

Work Order Number: 2409128

Received by: KAO

Checklist completed by:



9/18/2024

Signature

Date

Reviewed by:



Initials

9/18/2024

Date

Carrier name: FedEx Ground

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

Cooler # 1

Temp °C 0.6

Seal Intact NP

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

Client contacted: \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted: \_\_\_\_\_

Contacted by: \_\_\_\_\_ Regarding: \_\_\_\_\_

Comments: \_\_\_\_\_

Corrective Action: \_\_\_\_\_

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**CLIENT:** Pollution Control Services  
**Project:** PCS 775088  
**Lab Order:** 2409128

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**CASE NARRATIVE**

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

ASTM, EPA and Standard Methods.

The compounds Nonylphenol and Dicofol are not NELAP Certified.

The compounds Diuron and Hexachlorophene are not NELAP Certified.

Several compounds for Pesticides are not NELAP Certified.

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives except where noted in the following. For Pesticides Analysis, the recovery of Heptachlor epoxide for the Laboratory Control Spike and the Laboratory Control Spike Duplicate (LCS/LCSD-117266) was below the method control limits. This is flagged accordingly in the QC Summary Report. This compound was within method control limits in the associated ICV. No further corrective action was taken.

**DHL Analytical, Inc.**

**Date:** 30-Sep-24

**CLIENT:** Pollution Control Services  
**Project:** PCS 775088  
**Lab Order:** 2409128

**Work Order Sample Summary**

| Lab Smp ID | Client Sample ID | Tag Number | Date Collected    | Date Recved |
|------------|------------------|------------|-------------------|-------------|
| 2409128-01 | 775088           |            | 09/17/24 07:00 AM | 09/18/2024  |
| 2409128-02 | 775089           |            | 09/17/24 09:45 AM | 09/18/2024  |

**DHL Analytical, Inc.**

Date: 30-Sep-24

**CLIENT:** Pollution Control Services  
**Project:** PCS 775088  
**Project No:**  
**Lab Order:** 2409128

**Client Sample ID:** 775088  
**Lab ID:** 2409128-01  
**Collection Date:** 09/17/24 07:00 AM  
**Matrix:** AQUEOUS

| Analyses                              | Result     | MDL       | RL        | Qual | Units | DF | Date Analyzed     |
|---------------------------------------|------------|-----------|-----------|------|-------|----|-------------------|
| <b>DIURON-HEXACHLOROPHENE BY LCMS</b> |            |           |           |      |       |    | Analyst: RA       |
| Diuron                                | <0.0000297 | 0.0000297 | 0.0000792 | N    | mg/L  | 1  | 09/25/24 04:37 PM |
| Hexachlorophene                       | <0.000990  | 0.000990  | 0.00495   | N    | mg/L  | 1  | 09/25/24 04:37 PM |
| <b>625.1 PCB BY GC/MS</b>             |            |           |           |      |       |    | Analyst: JVR      |
| Aroclor 1016                          | <0.0000929 | 0.0000929 | 0.000186  |      | mg/L  | 1  | 09/23/24 04:58 PM |
| Aroclor 1221                          | <0.0000929 | 0.0000929 | 0.000186  |      | mg/L  | 1  | 09/23/24 04:58 PM |
| Aroclor 1232                          | <0.0000929 | 0.0000929 | 0.000186  |      | mg/L  | 1  | 09/23/24 04:58 PM |
| Aroclor 1242                          | <0.0000929 | 0.0000929 | 0.000186  |      | mg/L  | 1  | 09/23/24 04:58 PM |
| Aroclor 1248                          | <0.0000929 | 0.0000929 | 0.000186  |      | mg/L  | 1  | 09/23/24 04:58 PM |
| Aroclor 1254                          | <0.0000929 | 0.0000929 | 0.000186  |      | mg/L  | 1  | 09/23/24 04:58 PM |
| Aroclor 1260                          | <0.0000929 | 0.0000929 | 0.000186  |      | mg/L  | 1  | 09/23/24 04:58 PM |
| Total PCBs                            | <0.0000929 | 0.0000929 | 0.000186  |      | mg/L  | 1  | 09/23/24 04:58 PM |
| Surr: 2-Fluorobiphenyl                | 87.3       | 0         | 43-116    |      | %REC  | 1  | 09/23/24 04:58 PM |
| Surr: 4-Terphenyl-d14                 | 94.6       | 0         | 33-141    |      | %REC  | 1  | 09/23/24 04:58 PM |
| <b>625.1 SEMIVOLATILE WATER</b>       |            |           |           |      |       |    | Analyst: JVR      |
| Anthracene                            | <0.000968  | 0.000968  | 0.00194   |      | mg/L  | 1  | 09/23/24 07:14 PM |
| Benzidine                             | <0.000968  | 0.000968  | 0.00387   |      | mg/L  | 1  | 09/23/24 07:14 PM |
| Benzo[a]anthracene                    | <0.000968  | 0.000968  | 0.00194   |      | mg/L  | 1  | 09/23/24 07:14 PM |
| Benzo[a]pyrene                        | <0.000968  | 0.000968  | 0.00194   |      | mg/L  | 1  | 09/23/24 07:14 PM |
| Bis(2-chloroethyl)ether               | <0.000968  | 0.000968  | 0.00194   |      | mg/L  | 1  | 09/23/24 07:14 PM |
| Bis(2-ethylhexyl)phthalate            | <0.00290   | 0.00290   | 0.00581   |      | mg/L  | 1  | 09/23/24 07:14 PM |
| Chrysene                              | <0.000968  | 0.000968  | 0.00194   |      | mg/L  | 1  | 09/23/24 07:14 PM |
| 4,6-Dinitro-o-cresol                  | <0.00194   | 0.00194   | 0.00387   |      | mg/L  | 1  | 09/23/24 07:14 PM |
| o-Cresol                              | <0.00194   | 0.00194   | 0.00387   |      | mg/L  | 1  | 09/23/24 07:14 PM |
| p-Chloro-m-Cresol                     | <0.00194   | 0.00194   | 0.00387   |      | mg/L  | 1  | 09/23/24 07:14 PM |
| m,p-Cresols                           | <0.00194   | 0.00194   | 0.00387   |      | mg/L  | 1  | 09/23/24 07:14 PM |
| 3,3'-Dichlorobenzidine                | <0.000968  | 0.000968  | 0.00484   |      | mg/L  | 1  | 09/23/24 07:14 PM |
| 2,4-Dimethylphenol                    | <0.000968  | 0.000968  | 0.00194   |      | mg/L  | 1  | 09/23/24 07:14 PM |
| Di-n-butyl phthalate                  | <0.00290   | 0.00290   | 0.00581   |      | mg/L  | 1  | 09/23/24 07:14 PM |
| Hexachlorobenzene                     | <0.000968  | 0.000968  | 0.00194   |      | mg/L  | 1  | 09/23/24 07:14 PM |
| Hexachlorobutadiene                   | <0.000968  | 0.000968  | 0.00194   |      | mg/L  | 1  | 09/23/24 07:14 PM |
| Hexachlorocyclopentadiene             | <0.000968  | 0.000968  | 0.00194   |      | mg/L  | 1  | 09/23/24 07:14 PM |
| Hexachloroethane                      | <0.000968  | 0.000968  | 0.00194   |      | mg/L  | 1  | 09/23/24 07:14 PM |
| Nitrobenzene                          | <0.000968  | 0.000968  | 0.00194   |      | mg/L  | 1  | 09/23/24 07:14 PM |
| N-Nitrosodiethylamine                 | <0.00194   | 0.00194   | 0.00387   |      | mg/L  | 1  | 09/23/24 07:14 PM |
| N-Nitrosodi-n-butylamine              | <0.000968  | 0.000968  | 0.00387   |      | mg/L  | 1  | 09/23/24 07:14 PM |
| Pentachlorobenzene                    | <0.000968  | 0.000968  | 0.00194   |      | mg/L  | 1  | 09/23/24 07:14 PM |
| Pentachlorophenol                     | <0.000968  | 0.000968  | 0.00194   |      | mg/L  | 1  | 09/23/24 07:14 PM |

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

**DHL Analytical, Inc.**
**Date:** 30-Sep-24

**CLIENT:** Pollution Control Services

**Client Sample ID:** 775088

**Project:** PCS 775088

**Lab ID:** 2409128-01

**Project No:**
**Collection Date:** 09/17/24 07:00 AM

**Lab Order:** 2409128

**Matrix:** AQUEOUS

| Analyses                        | Result    | MDL           | RL      | Qual                | Units | DF | Date Analyzed     |
|---------------------------------|-----------|---------------|---------|---------------------|-------|----|-------------------|
| <b>625.1 SEMIVOLATILE WATER</b> |           | <b>E625.1</b> |         | <b>Analyst: JVR</b> |       |    |                   |
| Phenanthrene                    | <0.000968 | 0.000968      | 0.00194 |                     | mg/L  | 1  | 09/23/24 07:14 PM |
| Pyridine                        | <0.000968 | 0.000968      | 0.00194 |                     | mg/L  | 1  | 09/23/24 07:14 PM |
| 1,2,4,5-Tetrachlorobenzene      | <0.000968 | 0.000968      | 0.00194 |                     | mg/L  | 1  | 09/23/24 07:14 PM |
| 2,4,5-Trichlorophenol           | <0.000968 | 0.000968      | 0.00194 |                     | mg/L  | 1  | 09/23/24 07:14 PM |
| 2-Chlorophenol                  | <0.000968 | 0.000968      | 0.00194 |                     | mg/L  | 1  | 09/23/24 07:14 PM |
| 2,4-Dichlorophenol              | <0.000968 | 0.000968      | 0.00194 |                     | mg/L  | 1  | 09/23/24 07:14 PM |
| 2,4-Dinitrophenol               | <0.00194  | 0.00194       | 0.00387 |                     | mg/L  | 1  | 09/23/24 07:14 PM |
| 2-Nitrophenol                   | <0.000968 | 0.000968      | 0.00194 |                     | mg/L  | 1  | 09/23/24 07:14 PM |
| 4-Nitrophenol                   | <0.00194  | 0.00194       | 0.00387 |                     | mg/L  | 1  | 09/23/24 07:14 PM |
| Phenol                          | <0.000968 | 0.000968      | 0.00194 |                     | mg/L  | 1  | 09/23/24 07:14 PM |
| 2,4,6-Trichlorophenol           | <0.000968 | 0.000968      | 0.00194 |                     | mg/L  | 1  | 09/23/24 07:14 PM |
| Acenaphthene                    | <0.000968 | 0.000968      | 0.00194 |                     | mg/L  | 1  | 09/23/24 07:14 PM |
| Acenaphthylene                  | <0.000968 | 0.000968      | 0.00194 |                     | mg/L  | 1  | 09/23/24 07:14 PM |
| Benzo[b]fluoranthene            | <0.000968 | 0.000968      | 0.00194 |                     | mg/L  | 1  | 09/23/24 07:14 PM |
| Benzo[g,h,i]perylene            | <0.000968 | 0.000968      | 0.00194 |                     | mg/L  | 1  | 09/23/24 07:14 PM |
| Benzo[k]fluoranthene            | <0.000968 | 0.000968      | 0.00194 |                     | mg/L  | 1  | 09/23/24 07:14 PM |
| Bis(2-chloroethoxy)methane      | <0.000968 | 0.000968      | 0.00194 |                     | mg/L  | 1  | 09/23/24 07:14 PM |
| Bis(2-chloroisopropyl)ether     | <0.000968 | 0.000968      | 0.00194 |                     | mg/L  | 1  | 09/23/24 07:14 PM |
| 4-Bromophenyl phenyl ether      | <0.000968 | 0.000968      | 0.00194 |                     | mg/L  | 1  | 09/23/24 07:14 PM |
| Butyl benzyl phthalate          | <0.00290  | 0.00290       | 0.00581 |                     | mg/L  | 1  | 09/23/24 07:14 PM |
| 2-Chloronaphthalene             | <0.000968 | 0.000968      | 0.00194 |                     | mg/L  | 1  | 09/23/24 07:14 PM |
| 4-Chlorophenyl phenyl ether     | <0.000968 | 0.000968      | 0.00194 |                     | mg/L  | 1  | 09/23/24 07:14 PM |
| Dibenz[a,h]anthracene           | <0.000968 | 0.000968      | 0.00194 |                     | mg/L  | 1  | 09/23/24 07:14 PM |
| Diethyl phthalate               | <0.00290  | 0.00290       | 0.00581 |                     | mg/L  | 1  | 09/23/24 07:14 PM |
| Dimethyl phthalate              | <0.00290  | 0.00290       | 0.00581 |                     | mg/L  | 1  | 09/23/24 07:14 PM |
| 2,4-Dinitrotoluene              | <0.000968 | 0.000968      | 0.00194 |                     | mg/L  | 1  | 09/23/24 07:14 PM |
| 2,6-Dinitrotoluene              | <0.000968 | 0.000968      | 0.00194 |                     | mg/L  | 1  | 09/23/24 07:14 PM |
| Di-n-octyl phthalate            | <0.00290  | 0.00290       | 0.00581 |                     | mg/L  | 1  | 09/23/24 07:14 PM |
| 1,2-Diphenylhydrazine           | <0.000968 | 0.000968      | 0.00194 |                     | mg/L  | 1  | 09/23/24 07:14 PM |
| Fluoranthene                    | <0.000968 | 0.000968      | 0.00194 |                     | mg/L  | 1  | 09/23/24 07:14 PM |
| Fluorene                        | <0.000968 | 0.000968      | 0.00194 |                     | mg/L  | 1  | 09/23/24 07:14 PM |
| Indeno[1,2,3-cd]pyrene          | <0.000968 | 0.000968      | 0.00194 |                     | mg/L  | 1  | 09/23/24 07:14 PM |
| Isophorone                      | <0.000968 | 0.000968      | 0.00194 |                     | mg/L  | 1  | 09/23/24 07:14 PM |
| Naphthalene                     | <0.000968 | 0.000968      | 0.00194 |                     | mg/L  | 1  | 09/23/24 07:14 PM |
| N-Nitrosodimethylamine          | <0.000968 | 0.000968      | 0.00194 |                     | mg/L  | 1  | 09/23/24 07:14 PM |
| N-Nitrosodi-n-propylamine       | <0.000968 | 0.000968      | 0.00194 |                     | mg/L  | 1  | 09/23/24 07:14 PM |
| N-Nitrosodiphenylamine          | <0.000968 | 0.000968      | 0.00194 |                     | mg/L  | 1  | 09/23/24 07:14 PM |
| Pyrene                          | <0.000968 | 0.000968      | 0.00194 |                     | mg/L  | 1  | 09/23/24 07:14 PM |

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



# DHL Analytical, Inc.

Date: 30-Sep-24

**CLIENT:** Pollution Control Services  
**Project:** PCS 775088  
**Project No:**  
**Lab Order:** 2409128

**Client Sample ID:** 775088  
**Lab ID:** 2409128-01  
**Collection Date:** 09/17/24 07:00 AM  
**Matrix:** AQUEOUS

| Analyses                             | Result     | MDL       | RL        | Qual | Units | DF | Date Analyzed       |
|--------------------------------------|------------|-----------|-----------|------|-------|----|---------------------|
| <b>625.1 SEMIVOLATILE WATER</b>      |            |           |           |      |       |    | <b>Analyst: JVR</b> |
| 1,2,4-Trichlorobenzene               | <0.000968  | 0.000968  | 0.00194   |      | mg/L  | 1  | 09/23/24 07:14 PM   |
| Surr: 2,4,6-Tribromophenol           | 97.8       | 0         | 10-123    |      | %REC  | 1  | 09/23/24 07:14 PM   |
| Surr: 2-Fluorobiphenyl               | 83.8       | 0         | 43-116    |      | %REC  | 1  | 09/23/24 07:14 PM   |
| Surr: 2-Fluorophenol                 | 56.2       | 0         | 21-100    |      | %REC  | 1  | 09/23/24 07:14 PM   |
| Surr: 4-Terphenyl-d14                | 88.2       | 0         | 33-141    |      | %REC  | 1  | 09/23/24 07:14 PM   |
| Surr: Nitrobenzene-d5                | 91.5       | 0         | 35-115    |      | %REC  | 1  | 09/23/24 07:14 PM   |
| Surr: Phenol-d5                      | 35.0       | 0         | 10-94     |      | %REC  | 1  | 09/23/24 07:14 PM   |
| <b>625.1 PESTICIDE BY GC/MS</b>      |            |           |           |      |       |    | <b>Analyst: DEW</b> |
| 4,4'-DDD                             | <0.0000929 | 0.0000929 | 0.0000186 |      | mg/L  | 1  | 09/24/24 02:14 PM   |
| 4,4'-DDE                             | <0.0000929 | 0.0000929 | 0.0000186 |      | mg/L  | 1  | 09/24/24 02:14 PM   |
| 4,4'-DDT                             | <0.0000929 | 0.0000929 | 0.0000186 |      | mg/L  | 1  | 09/24/24 02:14 PM   |
| Aldrin                               | <0.0000929 | 0.0000929 | 0.0000929 |      | mg/L  | 1  | 09/24/24 02:14 PM   |
| alpha-BHC<br>(Hexachlorocyclohexane) | <0.0000929 | 0.0000929 | 0.0000186 |      | mg/L  | 1  | 09/24/24 02:14 PM   |
| beta-BHC (Hexachlorocyclohexane)     | <0.0000929 | 0.0000929 | 0.0000186 |      | mg/L  | 1  | 09/24/24 02:14 PM   |
| Carbaryl                             | <0.0000929 | 0.0000929 | 0.0000279 | N    | mg/L  | 1  | 09/24/24 02:14 PM   |
| Chlordane                            | <0.0000557 | 0.0000557 | 0.0000186 | N    | mg/L  | 1  | 09/24/24 02:14 PM   |
| Chlorpyrifos                         | <0.0000929 | 0.0000929 | 0.0000279 | N    | mg/L  | 1  | 09/24/24 02:14 PM   |
| delta-BHC<br>(Hexachlorocyclohexane) | <0.0000929 | 0.0000929 | 0.0000186 |      | mg/L  | 1  | 09/24/24 02:14 PM   |
| Diazinon                             | <0.0000929 | 0.0000929 | 0.0000279 | N    | mg/L  | 1  | 09/24/24 02:14 PM   |
| Dieldrin                             | <0.0000929 | 0.0000929 | 0.0000186 |      | mg/L  | 1  | 09/24/24 02:14 PM   |
| Endosulfan I                         | <0.0000929 | 0.0000929 | 0.0000929 |      | mg/L  | 1  | 09/24/24 02:14 PM   |
| Endosulfan II                        | <0.0000929 | 0.0000929 | 0.0000186 |      | mg/L  | 1  | 09/24/24 02:14 PM   |
| Endosulfan sulfate                   | <0.0000929 | 0.0000929 | 0.0000186 |      | mg/L  | 1  | 09/24/24 02:14 PM   |
| Endrin                               | <0.0000929 | 0.0000929 | 0.0000186 |      | mg/L  | 1  | 09/24/24 02:14 PM   |
| Endrin aldehyde                      | <0.0000929 | 0.0000929 | 0.0000186 |      | mg/L  | 1  | 09/24/24 02:14 PM   |
| gamma-BHC (Lindane)                  | <0.0000929 | 0.0000929 | 0.0000186 |      | mg/L  | 1  | 09/24/24 02:14 PM   |
| Guthion (Azinphosmethyl)             | <0.0000929 | 0.0000929 | 0.0000279 | N    | mg/L  | 1  | 09/24/24 02:14 PM   |
| Heptachlor                           | <0.0000929 | 0.0000929 | 0.0000929 |      | mg/L  | 1  | 09/24/24 02:14 PM   |
| Heptachlor epoxide                   | <0.0000929 | 0.0000929 | 0.0000929 |      | mg/L  | 1  | 09/24/24 02:14 PM   |
| Malathion                            | <0.0000929 | 0.0000929 | 0.0000279 | N    | mg/L  | 1  | 09/24/24 02:14 PM   |
| Methoxychlor                         | <0.0000186 | 0.0000186 | 0.0000186 | N    | mg/L  | 1  | 09/24/24 02:14 PM   |
| Mirex                                | <0.0000929 | 0.0000929 | 0.0000186 | N    | mg/L  | 1  | 09/24/24 02:14 PM   |
| Parathion, ethyl                     | <0.0000929 | 0.0000929 | 0.0000279 | N    | mg/L  | 1  | 09/24/24 02:14 PM   |
| Toxaphene                            | <0.000279  | 0.000279  | 0.000279  |      | mg/L  | 1  | 09/24/24 02:14 PM   |
| Demeton (O & S)                      | <0.0000929 | 0.0000929 | 0.0000279 | N    | mg/L  | 1  | 09/24/24 02:14 PM   |
| Surr: 2-Fluorobiphenyl               | 60.4       | 0         | 43-116    |      | %REC  | 1  | 09/24/24 02:14 PM   |

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

**DHL Analytical, Inc.**

Date: 30-Sep-24

CLIENT: Pollution Control Services

Client Sample ID: 775088

Project: PCS 775088

Lab ID: 2409128-01

Project No:

Collection Date: 09/17/24 07:00 AM

Lab Order: 2409128

Matrix: AQUEOUS

| Analyses                                   | Result    | MDL                | RL       | Qual | Units | DF | Date Analyzed       |
|--|-----------|--------------------|----------|------|-------|----|---------------------|
| <b>625.1 PESTICIDE BY GC/MS</b>            |           | <b>E625.1</b>      |          |      |       |    | Analyst: <b>DEW</b> |
| Surr: 4-Terphenyl-d14                      | 71.5      | 0                  | 33-141   |      | %REC  | 1  | 09/24/24 02:14 PM   |
| <b>DICOFOL IN WATER BY ASTM METHOD</b>     |           | <b>D5812-96MOD</b> |          |      |       |    | Analyst: <b>DEW</b> |
| Dicofol                                    | <0.000186 | 0.000186           | 0.000372 | N    | mg/L  | 1  | 09/24/24 02:14 PM   |
| <b>NONYLPHENOL IN WATER BY ASTM METHOD</b> |           | <b>D7065-17</b>    |          |      |       |    | Analyst: <b>JVR</b> |
| Nonylphenol                                | <0.0678   | 0.0678             | 0.0968   | N    | mg/L  | 1  | 09/23/24 07:14 PM   |

**Qualifiers:** \* Value exceeds TCLP Maximum Concentration Level

DF Dilution Factor

J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

S Spike Recovery outside control limits

C Sample Result or QC discussed in the Case Narrative

E TPH pattern not Gas or Diesel Range Pattern

MDL Method Detection Limit

RL Reporting Limit

N Parameter not NELAP certified

# DHL Analytical, Inc.

Date: 30-Sep-24

**CLIENT:** Pollution Control Services  
**Project:** PCS 775088  
**Project No:**  
**Lab Order:** 2409128

**Client Sample ID:** 775089  
**Lab ID:** 2409128-02  
**Collection Date:** 09/17/24 09:45 AM  
**Matrix:** AQUEOUS

| Analyses                     | Result    | MDL           | RL      | Qual         | Units | DF | Date Analyzed     |
|------------------------------|-----------|---------------|---------|--------------|-------|----|-------------------|
| <b>624.1 VOLATILES WATER</b> |           | <b>E624.1</b> |         | Analyst: JVR |       |    |                   |
| Acrylonitrile                | <0.00100  | 0.00100       | 0.00300 |              | mg/L  | 1  | 09/18/24 02:48 PM |
| Benzene                      | <0.000300 | 0.000300      | 0.00100 |              | mg/L  | 1  | 09/18/24 02:48 PM |
| Bromodichloromethane         | <0.000300 | 0.000300      | 0.00100 |              | mg/L  | 1  | 09/18/24 02:48 PM |
| Bromoform                    | <0.000300 | 0.000300      | 0.00100 |              | mg/L  | 1  | 09/18/24 02:48 PM |
| Carbon tetrachloride         | <0.000300 | 0.000300      | 0.00100 |              | mg/L  | 1  | 09/18/24 02:48 PM |
| Chlorobenzene                | <0.000300 | 0.000300      | 0.00100 |              | mg/L  | 1  | 09/18/24 02:48 PM |
| Chlorodibromomethane         | <0.000300 | 0.000300      | 0.00100 |              | mg/L  | 1  | 09/18/24 02:48 PM |
| Chloroform                   | <0.000300 | 0.000300      | 0.00100 |              | mg/L  | 1  | 09/18/24 02:48 PM |
| 1,2-Dibromoethane            | <0.000300 | 0.000300      | 0.00100 |              | mg/L  | 1  | 09/18/24 02:48 PM |
| 1,3-Dichlorobenzene          | <0.000300 | 0.000300      | 0.00100 |              | mg/L  | 1  | 09/18/24 02:48 PM |
| 1,2-Dichlorobenzene          | <0.000300 | 0.000300      | 0.00100 |              | mg/L  | 1  | 09/18/24 02:48 PM |
| 1,4-Dichlorobenzene          | <0.000300 | 0.000300      | 0.00100 |              | mg/L  | 1  | 09/18/24 02:48 PM |
| 1,2-Dichloroethane           | <0.000300 | 0.000300      | 0.00100 |              | mg/L  | 1  | 09/18/24 02:48 PM |
| 1,1-Dichloroethene           | <0.000300 | 0.000300      | 0.00100 |              | mg/L  | 1  | 09/18/24 02:48 PM |
| Methylene chloride (DCM)     | <0.00250  | 0.00250       | 0.00500 |              | mg/L  | 1  | 09/18/24 02:48 PM |
| 1,2-Dichloropropane          | <0.000300 | 0.000300      | 0.00100 |              | mg/L  | 1  | 09/18/24 02:48 PM |
| 1,3-Dichloropropene (cis)    | <0.000300 | 0.000300      | 0.00100 |              | mg/L  | 1  | 09/18/24 02:48 PM |
| 1,3-Dichloropropene (trans)  | <0.000300 | 0.000300      | 0.00100 |              | mg/L  | 1  | 09/18/24 02:48 PM |
| Ethylbenzene                 | <0.000300 | 0.000300      | 0.00100 |              | mg/L  | 1  | 09/18/24 02:48 PM |
| Methyl ethyl ketone          | <0.00500  | 0.00500       | 0.0150  |              | mg/L  | 1  | 09/18/24 02:48 PM |
| 1,1,2,2-Tetrachloroethane    | <0.000300 | 0.000300      | 0.00100 |              | mg/L  | 1  | 09/18/24 02:48 PM |
| Tetrachloroethene            | <0.000600 | 0.000600      | 0.00200 |              | mg/L  | 1  | 09/18/24 02:48 PM |
| Toluene                      | <0.000600 | 0.000600      | 0.00200 |              | mg/L  | 1  | 09/18/24 02:48 PM |
| 1,1,1-Trichloroethane        | <0.000300 | 0.000300      | 0.00100 |              | mg/L  | 1  | 09/18/24 02:48 PM |
| 1,1,2-Trichloroethane        | <0.000300 | 0.000300      | 0.00100 |              | mg/L  | 1  | 09/18/24 02:48 PM |
| Trichloroethene              | <0.000600 | 0.000600      | 0.00100 |              | mg/L  | 1  | 09/18/24 02:48 PM |
| TTHM (Total Trihalomethanes) | <0.000300 | 0.000300      | 0.00100 |              | mg/L  | 1  | 09/18/24 02:48 PM |
| Vinyl chloride               | <0.000300 | 0.000300      | 0.00100 |              | mg/L  | 1  | 09/18/24 02:48 PM |
| Acrolein                     | <0.00500  | 0.00500       | 0.0150  |              | mg/L  | 1  | 09/18/24 02:48 PM |
| Chloroethane                 | <0.00100  | 0.00100       | 0.00500 |              | mg/L  | 1  | 09/18/24 02:48 PM |
| 2-Chloroethylvinylether      | <0.00600  | 0.00600       | 0.0100  |              | mg/L  | 1  | 09/18/24 02:48 PM |
| 1,1-Dichloroethane           | <0.000300 | 0.000300      | 0.00100 |              | mg/L  | 1  | 09/18/24 02:48 PM |
| Methyl bromide               | <0.00100  | 0.00100       | 0.00500 |              | mg/L  | 1  | 09/18/24 02:48 PM |
| Methyl chloride              | <0.00100  | 0.00100       | 0.00500 |              | mg/L  | 1  | 09/18/24 02:48 PM |
| trans-1,2-Dichloroethylene   | <0.000300 | 0.000300      | 0.00200 |              | mg/L  | 1  | 09/18/24 02:48 PM |
| Surr: 1,2-Dichloroethane-d4  | 94.3      | 0             | 72-119  |              | %REC  | 1  | 09/18/24 02:48 PM |
| Surr: 4-Bromofluorobenzene   | 104       | 0             | 76-119  |              | %REC  | 1  | 09/18/24 02:48 PM |
| Surr: Dibromofluoromethane   | 101       | 0             | 85-115  |              | %REC  | 1  | 09/18/24 02:48 PM |

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

**DHL Analytical, Inc.**

Date: 30-Sep-24

**CLIENT:** Pollution Control Services  
**Project:** PCS 775088  
**Project No:**  
**Lab Order:** 2409128

**Client Sample ID:** 775089  
**Lab ID:** 2409128-02  
**Collection Date:** 09/17/24 09:45 AM  
**Matrix:** AQUEOUS

| Analyses                          | Result  | MDL               | RL     | Qual | Units | DF | Date Analyzed       |
|-----------------------------------|---------|-------------------|--------|------|-------|----|---------------------|
| <b>624.1 VOLATILES WATER</b>      |         | <b>E624.1</b>     |        |      |       |    | Analyst: <b>JVR</b> |
| Surr: Toluene-d8                  | 110     | 0                 | 81-120 |      | %REC  | 1  | 09/18/24 02:48 PM   |
| <b>CYANIDE - WATER SAMPLE</b>     |         | <b>M4500-CN E</b> |        |      |       |    | Analyst: <b>SMA</b> |
| Cyanide, Amenable to Chlorination | <0.0100 | 0.0100            | 0.0200 |      | mg/L  | 1  | 09/26/24 05:31 PM   |
| Cyanide, Total                    | <0.0100 | 0.0100            | 0.0200 |      | mg/L  | 1  | 09/26/24 05:31 PM   |

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

CLIENT: Pollution Control Services  
Work Order: 2409128  
Project: PCS 775088

ANALYTICAL QC SUMMARY REPORT

RunID: LCMS2\_240925A

|   |                       |                                     |                      |         |      |          |           |       |          |      |
|---|-----------------------|-------------------------------------|----------------------|---------|------|----------|-----------|-------|----------|------|
| The QC data in batch 117292 applies to the following samples: 2409128-01A |                       |                                     |                      |         |      |          |           |       |          |      |
| Sample ID: MB-117292  | Batch ID: 117292      | TestNo: E632                        | Units: mg/L          |         |      |          |           |       |          |      |
| SampType: MBLK  | Run ID: LCMS2_240925A | Analysis Date: 9/25/2024 3:18:34 PM | Prep Date: 9/24/2024 |         |      |          |           |       |          |      |
| Analyte   | Result                | RL                                  | SPK value            | Ref Val | %REC | LowLimit | HighLimit | %RPD  | RPDLimit | Qual |
| Diuron  | <0.0000300            | 0.0000800                           |                      |         |      |          |           |       |          | N    |
| Hexachlorophene   | <0.00100              | 0.00500                             |                      |         |      |          |           |       |          | N    |
| Sample ID: LCS-117292   | Batch ID: 117292      | TestNo: E632                        | Units: mg/L          |         |      |          |           |       |          |      |
| SampType: LCS   | Run ID: LCMS2_240925A | Analysis Date: 9/26/2024 3:49:55 PM | Prep Date: 9/24/2024 |         |      |          |           |       |          |      |
| Analyte   | Result                | RL                                  | SPK value            | Ref Val | %REC | LowLimit | HighLimit | %RPD  | RPDLimit | Qual |
| Diuron  | 0.00135               | 0.0000800                           | 0.00200              | 0       | 67.7 | 35       | 145       |       |          | N    |
| Hexachlorophene   | 0.00229               | 0.00500                             | 0.00200              | 0       | 114  | 35       | 145       |       |          | N    |
| Sample ID: LCSD-117292  | Batch ID: 117292      | TestNo: E632                        | Units: mg/L          |         |      |          |           |       |          |      |
| SampType: LCSD  | Run ID: LCMS2_240925A | Analysis Date: 9/26/2024 4:01:11 PM | Prep Date: 9/24/2024 |         |      |          |           |       |          |      |
| Analyte   | Result                | RL                                  | SPK value            | Ref Val | %REC | LowLimit | HighLimit | %RPD  | RPDLimit | Qual |
| Diuron  | 0.00141               | 0.0000800                           | 0.00200              | 0       | 70.6 | 35       | 145       | 4.19  | 30       | N    |
| Hexachlorophene   | 0.00227               | 0.00500                             | 0.00200              | 0       | 114  | 35       | 145       | 0.692 | 30       | N    |

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

CLIENT: Pollution Control Services

Work Order: 2409128

Project: PCS 775088

## ANALYTICAL QC SUMMARY REPORT

RunID: GCMS10\_240924A

The QC data in batch 117266 applies to the following samples: 2409128-01C

| Sample ID: LCS-117266             | Batch ID: 117266       | TestNo: E625.1                       | Units: mg/L          |         |       |          |           |      |          |      |
|-----------------------------------|------------------------|--------------------------------------|----------------------|---------|-------|----------|-----------|------|----------|------|
| SampType: LCS                     | Run ID: GCMS10_240924A | Analysis Date: 9/24/2024 10:37:00 AM | Prep Date: 9/23/2024 |         |       |          |           |      |          |      |
| Analyte                           | Result                 | RL                                   | SPK value            | Ref Val | %REC  | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| 4,4'-DDD                          | 0.000212               | 0.0000200                            | 0.000400             | 0       | 53.0  | 0.1      | 135       |      |          |      |
| 4,4'-DDE                          | 0.000202               | 0.0000200                            | 0.000400             | 0       | 50.5  | 19       | 120       |      |          |      |
| 4,4'-DDT                          | 0.000201               | 0.0000200                            | 0.000400             | 0       | 50.2  | 0.1      | 171       |      |          |      |
| Aldrin                            | 0.000146               | 0.0000100                            | 0.000400             | 0       | 36.5  | 7        | 152       |      |          |      |
| alpha-BHC (Hexachlorocyclohexane) | 0.000286               | 0.0000200                            | 0.000400             | 0       | 71.5  | 42       | 108       |      |          |      |
| beta-BHC (Hexachlorocyclohexane)  | 0.000302               | 0.0000200                            | 0.000400             | 0       | 75.4  | 42       | 131       |      |          |      |
| Carbaryl                          | 0.000313               | 0.0000300                            | 0.000400             | 0       | 78.2  | 38       | 168       |      |          | N    |
| Chlorpyrifos                      | 0.000313               | 0.0000300                            | 0.000400             | 0       | 78.2  | 42       | 131       |      |          | N    |
| delta-BHC (Hexachlorocyclohexane) | 0.000252               | 0.0000200                            | 0.000400             | 0       | 62.9  | 0.1      | 120       |      |          |      |
| Diazinon                          | 0.000368               | 0.0000300                            | 0.000400             | 0       | 92.0  | 52       | 120       |      |          | N    |
| Dieldrin                          | 0.000227               | 0.0000200                            | 0.000400             | 0       | 56.8  | 44       | 119       |      |          |      |
| Endosulfan I                      | 0.000253               | 0.0000100                            | 0.000400             | 0       | 63.2  | 47       | 128       |      |          |      |
| Endosulfan II                     | 0.000231               | 0.0000200                            | 0.000400             | 0       | 57.7  | 52       | 125       |      |          |      |
| Endosulfan sulfate                | 0.000222               | 0.0000200                            | 0.000400             | 0       | 55.4  | 0.1      | 120       |      |          |      |
| Endrin                            | 0.000239               | 0.0000200                            | 0.000400             | 0       | 59.8  | 50       | 151       |      |          |      |
| Endrin aldehyde                   | 0.00000232             | 0.0000200                            | 0.000400             | 0       | 0.580 | 0.1      | 189       |      |          |      |
| gamma-BHC (Lindane)               | 0.000270               | 0.0000200                            | 0.000400             | 0       | 67.5  | 41       | 111       |      |          |      |
| Guthion (Azinphosmethyl)          | 0.000382               | 0.0000300                            | 0.000400             | 0       | 95.4  | 44       | 193       |      |          | N    |
| Heptachlor                        | 0.000209               | 0.0000100                            | 0.000400             | 0       | 52.2  | 0.1      | 172       |      |          |      |
| Heptachlor epoxide                | 0.000240               | 0.0000100                            | 0.000400             | 0       | 59.9  | 71       | 120       |      |          | S    |
| Malathion                         | 0.000385               | 0.0000300                            | 0.000400             | 0       | 96.3  | 56       | 161       |      |          | N    |
| Methoxychlor                      | 0.000213               | 0.0000200                            | 0.000400             | 0       | 53.4  | 38       | 156       |      |          | N    |
| Mirex                             | 0.000188               | 0.0000200                            | 0.000400             | 0       | 47.1  | 27       | 131       |      |          | N    |
| Parathion, ethyl                  | 0.000305               | 0.0000300                            | 0.000400             | 0       | 76.3  | 13       | 184       |      |          | N    |
| Demeton (O & S)                   | 0.000359               | 0.0000300                            | 0.000400             | 0       | 89.7  | 28       | 154       |      |          | N    |
| Surr: 2-Fluorobiphenyl            | 2.12                   |                                      | 4.000                |         | 53.1  | 43       | 116       |      |          |      |
| Surr: 4-Terphenyl-d14             | 2.41                   |                                      | 4.000                |         | 60.1  | 33       | 141       |      |          |      |

| Sample ID: LCSD-117266            | Batch ID: 117266       | TestNo: E625.1                       |           |         |      | Units: mg/L          |           |      |          |      |
|-----------------------------------|------------------------|--------------------------------------|-----------|---------|------|----------------------|-----------|------|----------|------|
| SampType: LCSD                    | Run ID: GCMS10_240924A | Analysis Date: 9/24/2024 11:04:00 AM |           |         |      | Prep Date: 9/23/2024 |           |      |          |      |
| Analyte                           | Result                 | RL                                   | SPK value | Ref Val | %REC | LowLimit             | HighLimit | %RPD | RPDLimit | Qual |
| 4,4'-DDD                          | 0.000235               | 0.0000200                            | 0.000400  | 0       | 58.9 | 0.1                  | 135       | 10.5 | 50       |      |
| 4,4'-DDE                          | 0.000233               | 0.0000200                            | 0.000400  | 0       | 58.2 | 19                   | 120       | 14.2 | 50       |      |
| 4,4'-DDT                          | 0.000227               | 0.0000200                            | 0.000400  | 0       | 56.9 | 0.1                  | 171       | 12.5 | 50       |      |
| Aldrin                            | 0.000175               | 0.0000100                            | 0.000400  | 0       | 43.8 | 7                    | 152       | 18.1 | 50       |      |
| alpha-BHC (Hexachlorocyclohexane) | 0.000291               | 0.0000200                            | 0.000400  | 0       | 72.7 | 42                   | 108       | 1.78 | 50       |      |
| beta-BHC (Hexachlorocyclohexane)  | 0.000310               | 0.0000200                            | 0.000400  | 0       | 77.5 | 42                   | 131       | 2.71 | 50       |      |
| Carbaryl                          | 0.000328               | 0.0000300                            | 0.000400  | 0       | 82.0 | 38                   | 168       | 4.72 | 50       | N    |
| Chlorpyrifos                      | 0.000323               | 0.0000300                            | 0.000400  | 0       | 80.8 | 42                   | 131       | 3.18 | 50       | N    |

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

CLIENT: Pollution Control Services  
 Work Order: 2409128  
 Project: PCS 775088

## ANALYTICAL QC SUMMARY REPORT

RunID: GCMS10\_240924A

| Sample ID: <b>LCSD-117266</b>     | Batch ID: <b>117266</b>       | TestNo: <b>E625.1</b>                       | Units: <b>mg/L</b>          |         |       |          |           |       |          |      |
|-----------------------------------|-------------------------------|---|-----------------------------|---------|-------|----------|-----------|-------|----------|------|
| SampType: <b>LCSD</b>             | Run ID: <b>GCMS10_240924A</b> | Analysis Date: <b>9/24/2024 11:04:00 AM</b> | Prep Date: <b>9/23/2024</b> |         |       |          |           |       |          |      |
| Analyte                           | Result                        | RL  | SPK value                   | Ref Val | %REC  | LowLimit | HighLimit | %RPD  | RPDLimit | Qual |
| delta-BHC (Hexachlorocyclohexane) | 0.000268                      | 0.0000200                                   | 0.000400                    | 0       | 66.9  | 0.1      | 120       | 6.15  | 50       |      |
| Diazinon                          | 0.000355                      | 0.0000300                                   | 0.000400                    | 0       | 88.8  | 52       | 120       | 3.55  | 50       | N    |
| Dieldrin                          | 0.000237                      | 0.0000200                                   | 0.000400                    | 0       | 59.3  | 44       | 119       | 4.27  | 50       |      |
| Endosulfan I                      | 0.000242                      | 0.0000100                                   | 0.000400                    | 0       | 60.6  | 47       | 128       | 4.25  | 50       |      |
| Endosulfan II                     | 0.000238                      | 0.0000200                                   | 0.000400                    | 0       | 59.5  | 52       | 125       | 3.06  | 50       |      |
| Endosulfan sulfate                | 0.000242                      | 0.0000200                                   | 0.000400                    | 0       | 60.4  | 0.1      | 120       | 8.63  | 50       |      |
| Endrin                            | 0.000259                      | 0.0000200                                   | 0.000400                    | 0       | 64.8  | 50       | 151       | 8.00  | 50       |      |
| Endrin aldehyde                   | 0.00000236                    | 0.0000200                                   | 0.000400                    | 0       | 0.590 | 0.1      | 189       | 1.71  | 50       |      |
| gamma-BHC (Lindane)               | 0.000271                      | 0.0000200                                   | 0.000400                    | 0       | 67.7  | 41       | 111       | 0.311 | 50       |      |
| Guthion (Azinphosmethyl)          | 0.000420                      | 0.0000300                                   | 0.000400                    | 0       | 105   | 44       | 193       | 9.64  | 50       | N    |
| Heptachlor                        | 0.000251                      | 0.0000100                                   | 0.000400                    | 0       | 62.8  | 0.1      | 172       | 18.3  | 50       |      |
| Heptachlor epoxide                | 0.000249                      | 0.0000100                                   | 0.000400                    | 0       | 62.2  | 71       | 120       | 3.80  | 50       | S    |
| Malathion                         | 0.000400                      | 0.0000300                                   | 0.000400                    | 0       | 99.9  | 56       | 161       | 3.69  | 50       | N    |
| Methoxychlor                      | 0.000241                      | 0.0000200                                   | 0.000400                    | 0       | 60.3  | 38       | 156       | 12.3  | 50       | N    |
| Mirex                             | 0.000211                      | 0.0000200                                   | 0.000400                    | 0       | 52.6  | 27       | 131       | 11.1  | 50       | N    |
| Parathion, ethyl                  | 0.000296                      | 0.0000300                                   | 0.000400                    | 0       | 74.1  | 13       | 184       | 2.94  | 50       | N    |
| Demeton (O & S)                   | 0.000376                      | 0.0000300                                   | 0.000400                    | 0       | 94.0  | 28       | 154       | 4.74  | 50       | N    |
| Surr: 2-Fluorobiphenyl            | 2.15                          |   | 4.000                       |         | 53.7  | 43       | 116       | 0     | 0        |      |
| Surr: 4-Terphenyl-d14             | 2.43                          |   | 4.000                       |         | 60.6  | 33       | 141       | 0     | 0        |      |

| Sample ID: MB-117266              | Batch ID: 117266       | TestNo: E625.1                      | Units: mg/L          |         |      |          |           |      |          |      |
|-----------------------------------|------------------------|-------------------------------------|----------------------|---------|------|----------|-----------|------|----------|------|
| SampType: MBLK                    | Run ID: GCMS10_240924A | Analysis Date: 9/24/2024 1:14:00 PM | Prep Date: 9/23/2024 |         |      |          |           |      |          |      |
| Analyte                           | Result                 | RL                                  | SPK value            | Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| 4,4'-DDD                          | <0.0000100             | 0.0000200                           |                      |         |      |          |           |      |          |      |
| 4,4'-DDE                          | <0.0000100             | 0.0000200                           |                      |         |      |          |           |      |          |      |
| 4,4'-DDT                          | <0.0000100             | 0.0000200                           |                      |         |      |          |           |      |          |      |
| Aldrin                            | <0.0000100             | 0.0000100                           |                      |         |      |          |           |      |          |      |
| alpha-BHC (Hexachlorocyclohexane) | <0.0000100             | 0.0000200                           |                      |         |      |          |           |      |          |      |
| beta-BHC (Hexachlorocyclohexane)  | <0.0000100             | 0.0000200                           |                      |         |      |          |           |      |          |      |
| Carbaryl                          | <0.0000100             | 0.0000300                           |                      |         |      |          |           |      |          | N    |
| Chlorpyrifos                      | <0.0000100             | 0.0000300                           |                      |         |      |          |           |      |          | N    |
| delta-BHC (Hexachlorocyclohexane) | <0.0000100             | 0.0000200                           |                      |         |      |          |           |      |          |      |
| Diazinon                          | <0.0000100             | 0.0000300                           |                      |         |      |          |           |      |          | N    |
| Dieldrin                          | <0.0000100             | 0.0000200                           |                      |         |      |          |           |      |          |      |
| Endosulfan I                      | <0.0000100             | 0.0000100                           |                      |         |      |          |           |      |          |      |
| Endosulfan II                     | <0.0000100             | 0.0000200                           |                      |         |      |          |           |      |          |      |
| Endosulfan sulfate                | <0.0000100             | 0.0000200                           |                      |         |      |          |           |      |          |      |
| Endrin                            | <0.0000100             | 0.0000200                           |                      |         |      |          |           |      |          |      |
| Endrin aldehyde                   | <0.0000100             | 0.0000200                           |                      |         |      |          |           |      |          |      |
| gamma-BHC (Lindane)               | <0.0000100             | 0.0000200                           |                      |         |      |          |           |      |          |      |

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

**CLIENT:** Pollution Control Services  
**Work Order:** 2409128  
**Project:** PCS 775088

## ANALYTICAL QC SUMMARY REPORT

**RunID:** GCMS10\_240924A

| Sample ID: <b>MB-117266</b> | Batch ID: <b>117266</b>       | TestNo: <b>E625.1</b>                      | Units: <b>mg/L</b>          |         |      |          |           |      |          |      |
|-----------------------------|-------------------------------|--|-----------------------------|---------|------|----------|-----------|------|----------|------|
| SampType: <b>MBLK</b>       | Run ID: <b>GCMS10_240924A</b> | Analysis Date: <b>9/24/2024 1:14:00 PM</b> | Prep Date: <b>9/23/2024</b> |         |      |          |           |      |          |      |
| Analyte                     | Result                        | RL   | SPK value                   | Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Guthion (Azinphosmethyl)    | <0.0000100                    | 0.0000300                                  |                             |         |      |          |           |      |          | N    |
| Heptachlor                  | <0.0000100                    | 0.0000100                                  |                             |         |      |          |           |      |          |      |
| Heptachlor epoxide          | <0.0000100                    | 0.0000100                                  |                             |         |      |          |           |      |          |      |
| Malathion                   | <0.0000100                    | 0.0000300                                  |                             |         |      |          |           |      |          | N    |
| Methoxychlor                | <0.0000200                    | 0.0000200                                  |                             |         |      |          |           |      |          | N    |
| Mirex                       | <0.0000100                    | 0.0000200                                  |                             |         |      |          |           |      |          | N    |
| Parathion, ethyl            | <0.0000100                    | 0.0000300                                  |                             |         |      |          |           |      |          | N    |
| Demeton (O & S)             | <0.0000100                    | 0.0000300                                  |                             |         |      |          |           |      |          | N    |
| Surr: 2-Fluorobiphenyl      | 2.26                          |  | 4.000                       |         | 56.4 | 43       | 116       |      |          |      |
| Surr: 4-Terphenyl-d14       | 2.58                          |  | 4.000                       |         | 64.6 | 33       | 141       |      |          |      |

**Qualifiers:** B Analyte detected in the associated Method Blank  
J Analyte detected between MDL and RL  
ND Not Detected at the Method Detection Limit  
RL Reporting Limit  
J Analyte detected between SDL and RL

DF Dilution Factor  
MDL Method Detection Limit  
R RPD outside accepted control limits  
S Spike Recovery outside control limits  
N Parameter not NELAP certified



**CLIENT:** Pollution Control Services  
**Work Order:** 2409128  
**Project:** PCS 775088

## ANALYTICAL QC SUMMARY REPORT

**RunID:** GCMS10\_240924B

The QC data in batch 117266 applies to the following samples: 2409128-01C

|                                   |                               |   |                             |         |      |          |           |      |          |      |
|-----------------------------------|-------------------------------|---|-----------------------------|---------|------|----------|-----------|------|----------|------|
| Sample ID: <b>LCS-117266-DICO</b> | Batch ID: <b>117266</b>       | TestNo: <b>D5812-96mod</b>                  | Units: <b>mg/L</b>          |         |      |          |           |      |          |      |
| SampType: <b>LCS</b>              | Run ID: <b>GCMS10_240924B</b> | Analysis Date: <b>9/24/2024 12:08:00 PM</b> | Prep Date: <b>9/23/2024</b> |         |      |          |           |      |          |      |
| Analyte                           | Result                        | RL  | SPK value                   | Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |

|         |          |          |         |   |      |    |     |  |  |   |
|---------|----------|----------|---------|---|------|----|-----|--|--|---|
| Dicofol | 0.000666 | 0.000400 | 0.00100 | 0 | 66.6 | 22 | 180 |  |  | N |
|---------|----------|----------|---------|---|------|----|-----|--|--|---|

|                             |                               |  |                             |         |      |          |           |      |          |      |
|-----------------------------|-------------------------------|--|-----------------------------|---------|------|----------|-----------|------|----------|------|
| Sample ID: <b>MB-117266</b> | Batch ID: <b>117266</b>       | TestNo: <b>D5812-96mod</b>                 | Units: <b>mg/L</b>          |         |      |          |           |      |          |      |
| SampType: <b>MBLK</b>       | Run ID: <b>GCMS10_240924B</b> | Analysis Date: <b>9/24/2024 1:14:00 PM</b> | Prep Date: <b>9/23/2024</b> |         |      |          |           |      |          |      |
| Analyte                     | Result                        | RL   | SPK value                   | Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |

|         |           |          |  |  |  |  |  |  |  |   |
|---------|-----------|----------|--|--|--|--|--|--|--|---|
| Dicofol | <0.000200 | 0.000400 |  |  |  |  |  |  |  | N |
|---------|-----------|----------|--|--|--|--|--|--|--|---|

**Qualifiers:**

|    |   |
|----|---|
| B  | Analyte detected in the associated Method Blank |
| J  | Analyte detected between MDL and RL             |
| ND | Not Detected at the Method Detection Limit      |
| RL | Reporting Limit                                 |
| J  | Analyte detected between SDL and RL             |

|     |                                       |
|-----|---------------------------------------|
| DF  | Dilution Factor                       |
| MDL | Method Detection Limit                |
| R   | RPD outside accepted control limits   |
| S   | Spike Recovery outside control limits |
| N   | Parameter not NELAP certified         |

**CLIENT:** Pollution Control Services  
**Work Order:** 2409128  
**Project:** PCS 775088

## ANALYTICAL QC SUMMARY REPORT

**RunID:** GCMS8\_240923A

The QC data in batch 117266 applies to the following samples: 2409128-01C

| Sample ID: <b>LCS-117266-PCB</b> | Batch ID: <b>117266</b>      | TestNo: <b>E625.1</b>                      | Units: <b>mg/L</b>          |         |      |          |           |      |          |      |
|----------------------------------|------------------------------|--|-----------------------------|---------|------|----------|-----------|------|----------|------|
| SampType: <b>LCS</b>             | Run ID: <b>GCMS8_240923A</b> | Analysis Date: <b>9/23/2024 3:58:00 PM</b> | Prep Date: <b>9/23/2024</b> |         |      |          |           |      |          |      |
| Analyte                          | Result                       | RL   | SPK value                   | Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Aroclor 1016                     | 0.00273                      | 0.000200                                   | 0.00400                     | 0       | 68.2 | 37       | 130       |      |          |      |
| Aroclor 1260                     | 0.00365                      | 0.000200                                   | 0.00400                     | 0       | 91.2 | 19       | 130       |      |          |      |
| Total PCBs                       | 0.00638                      | 0.000200                                   | 0.00800                     | 0       | 79.7 | 19       | 130       |      |          |      |
| Surr: 2-Fluorobiphenyl           | 3.06                         |  | 4.000                       |         | 76.4 | 43       | 116       |      |          |      |
| Surr: 4-Terphenyl-d14            | 3.57                         |  | 4.000                       |         | 89.2 | 33       | 141       |      |          |      |

| Sample ID: <b>MB-117266</b> | Batch ID: <b>117266</b>      | TestNo: <b>E625.1</b>                      | Units: <b>mg/L</b>          |         |      |          |           |      |          |      |
|-----------------------------|------------------------------|--|-----------------------------|---------|------|----------|-----------|------|----------|------|
| SampType: <b>MBLK</b>       | Run ID: <b>GCMS8_240923A</b> | Analysis Date: <b>9/23/2024 4:28:00 PM</b> | Prep Date: <b>9/23/2024</b> |         |      |          |           |      |          |      |
| Analyte                     | Result                       | RL   | SPK value                   | Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Aroclor 1016                | <0.000100                    | 0.000200                                   |                             |         |      |          |           |      |          |      |
| Aroclor 1221                | <0.000100                    | 0.000200                                   |                             |         |      |          |           |      |          |      |
| Aroclor 1232                | <0.000100                    | 0.000200                                   |                             |         |      |          |           |      |          |      |
| Aroclor 1242                | <0.000100                    | 0.000200                                   |                             |         |      |          |           |      |          |      |
| Aroclor 1248                | <0.000100                    | 0.000200                                   |                             |         |      |          |           |      |          |      |
| Aroclor 1254                | <0.000100                    | 0.000200                                   |                             |         |      |          |           |      |          |      |
| Aroclor 1260                | <0.000100                    | 0.000200                                   |                             |         |      |          |           |      |          |      |
| Total PCBs                  | <0.000100                    | 0.000200                                   |                             |         |      |          |           |      |          |      |
| Surr: 2-Fluorobiphenyl      | 3.21                         |  | 4.000                       |         | 80.3 | 43       | 116       |      |          |      |
| Surr: 4-Terphenyl-d14       | 3.66                         |  | 4.000                       |         | 91.5 | 33       | 141       |      |          |      |

**Qualifiers:**

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

**CLIENT:** Pollution Control Services  
**Work Order:** 2409128  
**Project:** PCS 775088

## ANALYTICAL QC SUMMARY REPORT

**RunID:** GCMS9\_240923A

The QC data in batch 117275 applies to the following samples: 2409128-01B

| Sample ID: <b>LCS-117275</b> | Batch ID: <b>117275</b>      | TestNo: <b>E625.1</b>                      | Units: <b>mg/L</b>          |         |      |          |           |      |          |      |
|------------------------------|------------------------------|--|-----------------------------|---------|------|----------|-----------|------|----------|------|
| SampType: <b>LCS</b>         | Run ID: <b>GCMS9_240923A</b> | Analysis Date: <b>9/23/2024 4:12:00 PM</b> | Prep Date: <b>9/23/2024</b> |         |      |          |           |      |          |      |
| Analyte                      | Result                       | RL   | SPK value                   | Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzidine                    | 0.0257                       | 0.00400                                    | 0.0400                      | 0       | 64.4 | 5        | 125       |      |          |      |
| Benzo[a]anthracene           | 0.0362                       | 0.00200                                    | 0.0400                      | 0       | 90.6 | 33       | 143       |      |          |      |
| Benzo[a]pyrene               | 0.0409                       | 0.00200                                    | 0.0400                      | 0       | 102  | 17       | 163       |      |          |      |
| Chrysene                     | 0.0373                       | 0.00200                                    | 0.0400                      | 0       | 93.3 | 17       | 168       |      |          |      |
| 2,4-Dimethylphenol           | 0.0318                       | 0.00200                                    | 0.0400                      | 0       | 79.6 | 32       | 120       |      |          |      |
| 4,6-Dinitro-o-cresol         | 0.0399                       | 0.00400                                    | 0.0400                      | 0       | 99.7 | 10       | 181       |      |          |      |
| m,p-Cresols                  | 0.0253                       | 0.00400                                    | 0.0400                      | 0       | 63.3 | 10       | 125       |      |          |      |
| o-Cresol                     | 0.0276                       | 0.00400                                    | 0.0400                      | 0       | 68.9 | 25       | 125       |      |          |      |
| p-Chloro-m-Cresol            | 0.0315                       | 0.00400                                    | 0.0400                      | 0       | 78.7 | 22       | 147       |      |          |      |
| Hexachlorobenzene            | 0.0334                       | 0.00200                                    | 0.0400                      | 0       | 83.6 | 10       | 152       |      |          |      |
| Hexachlorobutadiene          | 0.0296                       | 0.00200                                    | 0.0400                      | 0       | 74.0 | 24       | 120       |      |          |      |
| Hexachloroethane             | 0.0318                       | 0.00200                                    | 0.0400                      | 0       | 79.6 | 40       | 120       |      |          |      |
| Nitrobenzene                 | 0.0360                       | 0.00200                                    | 0.0400                      | 0       | 90.1 | 35       | 180       |      |          |      |
| N-Nitrosodiethylamine        | 0.0305                       | 0.00400                                    | 0.0400                      | 0       | 76.2 | 20       | 125       |      |          |      |
| N-Nitrosodi-n-butylamine     | 0.0378                       | 0.00400                                    | 0.0400                      | 0       | 94.4 | 20       | 125       |      |          |      |
| Pentachlorobenzene           | 0.0332                       | 0.00200                                    | 0.0400                      | 0       | 82.9 | 40       | 140       |      |          |      |
| Pentachlorophenol            | 0.0316                       | 0.00200                                    | 0.0400                      | 0       | 79.0 | 14       | 176       |      |          |      |
| Phenanthrene                 | 0.0337                       | 0.00200                                    | 0.0400                      | 0       | 84.2 | 54       | 120       |      |          |      |
| Pyridine                     | 0.0154                       | 0.00200                                    | 0.0400                      | 0       | 38.5 | 10       | 75        |      |          |      |
| 1,2,4,5-Tetrachlorobenzene   | 0.0310                       | 0.00200                                    | 0.0400                      | 0       | 77.5 | 30       | 140       |      |          |      |
| 2,4,5-Trichlorophenol        | 0.0369                       | 0.00200                                    | 0.0400                      | 0       | 92.2 | 25       | 125       |      |          |      |
| 2-Chlorophenol               | 0.0284                       | 0.00200                                    | 0.0400                      | 0       | 70.9 | 23       | 134       |      |          |      |
| 2,4-Dichlorophenol           | 0.0323                       | 0.00200                                    | 0.0400                      | 0       | 80.8 | 39       | 135       |      |          |      |
| 2,4-Dinitrophenol            | 0.0322                       | 0.00400                                    | 0.0400                      | 0       | 80.6 | 10       | 191       |      |          |      |
| 2-Nitrophenol                | 0.0353                       | 0.00200                                    | 0.0400                      | 0       | 88.2 | 29       | 182       |      |          |      |
| 4-Nitrophenol                | 0.0285                       | 0.00400                                    | 0.0400                      | 0       | 71.2 | 10       | 132       |      |          |      |
| Phenol                       | 0.0169                       | 0.00200                                    | 0.0400                      | 0       | 42.2 | 5        | 120       |      |          |      |
| 2,4,6-Trichlorophenol        | 0.0361                       | 0.00200                                    | 0.0400                      | 0       | 90.3 | 37       | 144       |      |          |      |
| Acenaphthene                 | 0.0345                       | 0.00200                                    | 0.0400                      | 0       | 86.2 | 47       | 145       |      |          |      |
| Acenaphthylene               | 0.0334                       | 0.00200                                    | 0.0400                      | 0       | 83.6 | 33       | 145       |      |          |      |
| Anthracene                   | 0.0352                       | 0.00200                                    | 0.0400                      | 0       | 87.9 | 27       | 133       |      |          |      |
| Benzo[b]fluoranthene         | 0.0414                       | 0.00200                                    | 0.0400                      | 0       | 104  | 24       | 159       |      |          |      |
| Benzo[g,h,i]perylene         | 0.0419                       | 0.00200                                    | 0.0400                      | 0       | 105  | 10       | 219       |      |          |      |
| Benzo[k]fluoranthene         | 0.0357                       | 0.00200                                    | 0.0400                      | 0       | 89.4 | 11       | 162       |      |          |      |
| Bis(2-chloroethoxy)methane   | 0.0342                       | 0.00200                                    | 0.0400                      | 0       | 85.6 | 33       | 184       |      |          |      |
| Bis(2-chloroethyl)ether      | 0.0365                       | 0.00200                                    | 0.0400                      | 0       | 91.2 | 12       | 158       |      |          |      |
| Bis(2-chloroisopropyl)ether  | 0.0309                       | 0.00200                                    | 0.0400                      | 0       | 77.2 | 36       | 166       |      |          |      |
| Bis(2-ethylhexyl)phthalate   | 0.0449                       | 0.00600                                    | 0.0400                      | 0       | 112  | 10       | 158       |      |          |      |
| 4-Bromophenyl phenyl ether   | 0.0353                       | 0.00200                                    | 0.0400                      | 0       | 88.2 | 53       | 127       |      |          |      |
| Butyl benzyl phthalate       | 0.0416                       | 0.00600                                    | 0.0400                      | 0       | 104  | 10       | 152       |      |          |      |

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

CLIENT: Pollution Control Services  
Work Order: 2409128  
Project: PCS 775088

## ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9\_240923A

|                       |                       |                                     |                      |         |      |          |           |      |          |      |
|-----------------------|-----------------------|-------------------------------------|----------------------|---------|------|----------|-----------|------|----------|------|
| Sample ID: LCS-117275 | Batch ID: 117275      | TestNo: E625.1                      | Units: mg/L          |         |      |          |           |      |          |      |
| SampType: LCS         | Run ID: GCMS9_240923A | Analysis Date: 9/23/2024 4:12:00 PM | Prep Date: 9/23/2024 |         |      |          |           |      |          |      |
| Analyte               | Result                | RL                                  | SPK value            | Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |

|                             |        |         |        |   |      |    |     |  |  |  |
|-----------------------------|--------|---------|--------|---|------|----|-----|--|--|--|
| 2-Chloronaphthalene         | 0.0349 | 0.00200 | 0.0400 | 0 | 87.2 | 60 | 120 |  |  |  |
| 4-Chlorophenyl phenyl ether | 0.0342 | 0.00200 | 0.0400 | 0 | 85.5 | 25 | 158 |  |  |  |
| Dibenz[a,h]anthracene       | 0.0413 | 0.00200 | 0.0400 | 0 | 103  | 10 | 125 |  |  |  |
| 3,3'-Dichlorobenzidine      | 0.0360 | 0.00500 | 0.0400 | 0 | 90.0 | 10 | 262 |  |  |  |
| Diethyl phthalate           | 0.0365 | 0.00600 | 0.0400 | 0 | 91.2 | 10 | 120 |  |  |  |
| Dimethyl phthalate          | 0.0354 | 0.00600 | 0.0400 | 0 | 88.4 | 10 | 120 |  |  |  |
| Di-n-butyl phthalate        | 0.0406 | 0.00600 | 0.0400 | 0 | 101  | 10 | 120 |  |  |  |
| 2,4-Dinitrotoluene          | 0.0357 | 0.00200 | 0.0400 | 0 | 89.2 | 39 | 139 |  |  |  |
| 2,6-Dinitrotoluene          | 0.0358 | 0.00200 | 0.0400 | 0 | 89.5 | 50 | 158 |  |  |  |
| Di-n-octyl phthalate        | 0.0398 | 0.00600 | 0.0400 | 0 | 99.4 | 10 | 146 |  |  |  |
| 1,2-Diphenylhydrazine       | 0.0336 | 0.00200 | 0.0400 | 0 | 84.0 | 40 | 140 |  |  |  |
| Fluoranthene                | 0.0400 | 0.00200 | 0.0400 | 0 | 100  | 26 | 137 |  |  |  |
| Fluorene                    | 0.0364 | 0.00200 | 0.0400 | 0 | 91.0 | 59 | 121 |  |  |  |
| Hexachlorocyclopentadiene   | 0.0294 | 0.00200 | 0.0400 | 0 | 73.4 | 8  | 130 |  |  |  |
| Indeno[1,2,3-cd]pyrene      | 0.0404 | 0.00200 | 0.0400 | 0 | 101  | 10 | 171 |  |  |  |
| Isophorone                  | 0.0341 | 0.00200 | 0.0400 | 0 | 85.4 | 21 | 196 |  |  |  |
| Naphthalene                 | 0.0322 | 0.00200 | 0.0400 | 0 | 80.6 | 21 | 133 |  |  |  |
| N-Nitrosodimethylamine      | 0.0148 | 0.00200 | 0.0400 | 0 | 37.1 | 10 | 125 |  |  |  |
| N-Nitrosodi-n-propylamine   | 0.0360 | 0.00200 | 0.0400 | 0 | 89.9 | 10 | 230 |  |  |  |
| N-Nitrosodiphenylamine      | 0.0368 | 0.00200 | 0.0400 | 0 | 91.9 | 20 | 125 |  |  |  |
| Pyrene                      | 0.0371 | 0.00200 | 0.0400 | 0 | 92.6 | 52 | 120 |  |  |  |
| 1,2,4-Trichlorobenzene      | 0.0320 | 0.00200 | 0.0400 | 0 | 80.0 | 44 | 142 |  |  |  |
| Surr: 2,4,6-Tribromophenol  | 74.0   |         | 80.00  |   | 92.5 | 10 | 123 |  |  |  |
| Surr: 2-Fluorobiphenyl      | 64.2   |         | 80.00  |   | 80.2 | 43 | 116 |  |  |  |
| Surr: 2-Fluorophenol        | 47.6   |         | 80.00  |   | 59.5 | 21 | 100 |  |  |  |
| Surr: 4-Terphenyl-d14       | 66.6   |         | 80.00  |   | 83.3 | 33 | 141 |  |  |  |
| Surr: Nitrobenzene-d5       | 69.8   |         | 80.00  |   | 87.2 | 35 | 115 |  |  |  |
| Surr: Phenol-d5             | 31.8   |         | 80.00  |   | 39.8 | 10 | 94  |  |  |  |

|                               |                              |  |                             |         |      |          |           |      |          |      |
|-------------------------------|------------------------------|--|-----------------------------|---------|------|----------|-----------|------|----------|------|
| Sample ID: <b>LCSD-117275</b> | Batch ID: <b>117275</b>      | TestNo: <b>E625.1</b>                      | Units: <b>mg/L</b>          |         |      |          |           |      |          |      |
| SampType: <b>LCSD</b>         | Run ID: <b>GCMS9_240923A</b> | Analysis Date: <b>9/23/2024 4:34:00 PM</b> | Prep Date: <b>9/23/2024</b> |         |      |          |           |      |          |      |
| Analyte                       | Result                       | RL   | SPK value                   | Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |

|                      |        |         |        |   |      |    |     |       |    |  |
|----------------------|--------|---------|--------|---|------|----|-----|-------|----|--|
| Benzidine            | 0.0269 | 0.00400 | 0.0400 | 0 | 67.2 | 5  | 125 | 4.26  | 50 |  |
| Benzo[a]anthracene   | 0.0367 | 0.00200 | 0.0400 | 0 | 91.8 | 33 | 143 | 1.26  | 50 |  |
| Benzo[a]pyrene       | 0.0403 | 0.00200 | 0.0400 | 0 | 101  | 17 | 163 | 1.48  | 50 |  |
| Chrysene             | 0.0376 | 0.00200 | 0.0400 | 0 | 93.9 | 17 | 168 | 0.695 | 50 |  |
| 2,4-Dimethylphenol   | 0.0318 | 0.00200 | 0.0400 | 0 | 79.4 | 32 | 120 | 0.189 | 50 |  |
| 4,6-Dinitro-o-cresol | 0.0395 | 0.00400 | 0.0400 | 0 | 98.9 | 10 | 181 | 0.856 | 50 |  |
| m,p-Cresols          | 0.0251 | 0.00400 | 0.0400 | 0 | 62.7 | 10 | 125 | 1.03  | 50 |  |
| o-Cresol             | 0.0268 | 0.00400 | 0.0400 | 0 | 67.0 | 25 | 125 | 2.80  | 50 |  |

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

**CLIENT:** Pollution Control Services  
**Work Order:** 2409128  
**Project:** PCS 775088

## ANALYTICAL QC SUMMARY REPORT

**RunID:** GCMS9\_240923A

|                               |                              |  |                             |
|-------------------------------|------------------------------|--|-----------------------------|
| Sample ID: <b>LCSD-117275</b> | Batch ID: <b>117275</b>      | TestNo: <b>E625.1</b>                      | Units: <b>mg/L</b>          |
| SampType: <b>LCSD</b>         | Run ID: <b>GCMS9_240923A</b> | Analysis Date: <b>9/23/2024 4:34:00 PM</b> | Prep Date: <b>9/23/2024</b> |

| Analyte                     | Result | RL      | SPK value | Ref Val | %REC | LowLimit | HighLimit | %RPD  | RPDLimit | Qual |
|-----------------------------|--------|---------|-----------|---------|------|----------|-----------|-------|----------|------|
| p-Chloro-m-Cresol           | 0.0315 | 0.00400 | 0.0400    | 0       | 78.7 | 22       | 147       | 0.063 | 50       |      |
| Hexachlorobenzene           | 0.0328 | 0.00200 | 0.0400    | 0       | 82.1 | 10       | 152       | 1.75  | 50       |      |
| Hexachlorobutadiene         | 0.0295 | 0.00200 | 0.0400    | 0       | 73.9 | 24       | 120       | 0.203 | 50       |      |
| Hexachloroethane            | 0.0317 | 0.00200 | 0.0400    | 0       | 79.4 | 40       | 120       | 0.252 | 50       |      |
| Nitrobenzene                | 0.0362 | 0.00200 | 0.0400    | 0       | 90.6 | 35       | 180       | 0.554 | 50       |      |
| N-Nitrosodiethylamine       | 0.0302 | 0.00400 | 0.0400    | 0       | 75.6 | 20       | 125       | 0.856 | 50       |      |
| N-Nitrosodi-n-butylamine    | 0.0379 | 0.00400 | 0.0400    | 0       | 94.7 | 20       | 125       | 0.317 | 50       |      |
| Pentachlorobenzene          | 0.0328 | 0.00200 | 0.0400    | 0       | 82.0 | 40       | 140       | 1.03  | 50       |      |
| Pentachlorophenol           | 0.0320 | 0.00200 | 0.0400    | 0       | 80.1 | 14       | 176       | 1.38  | 50       |      |
| Phenanthrene                | 0.0334 | 0.00200 | 0.0400    | 0       | 83.4 | 54       | 120       | 0.835 | 39       |      |
| Pyridine                    | 0.0167 | 0.00200 | 0.0400    | 0       | 41.6 | 10       | 75        | 7.86  | 50       |      |
| 1,2,4,5-Tetrachlorobenzene  | 0.0307 | 0.00200 | 0.0400    | 0       | 76.7 | 30       | 140       | 1.10  | 50       |      |
| 2,4,5-Trichlorophenol       | 0.0364 | 0.00200 | 0.0400    | 0       | 91.1 | 25       | 125       | 1.20  | 50       |      |
| 2-Chlorophenol              | 0.0257 | 0.00200 | 0.0400    | 0       | 64.2 | 23       | 134       | 9.84  | 50       |      |
| 2,4-Dichlorophenol          | 0.0320 | 0.00200 | 0.0400    | 0       | 80.0 | 39       | 135       | 0.995 | 50       |      |
| 2,4-Dinitrophenol           | 0.0317 | 0.00400 | 0.0400    | 0       | 79.4 | 10       | 191       | 1.56  | 50       |      |
| 2-Nitrophenol               | 0.0347 | 0.00200 | 0.0400    | 0       | 86.7 | 29       | 182       | 1.72  | 50       |      |
| 4-Nitrophenol               | 0.0280 | 0.00400 | 0.0400    | 0       | 70.0 | 10       | 132       | 1.70  | 50       |      |
| Phenol                      | 0.0163 | 0.00200 | 0.0400    | 0       | 40.8 | 5        | 120       | 3.25  | 50       |      |
| 2,4,6-Trichlorophenol       | 0.0357 | 0.00200 | 0.0400    | 0       | 89.2 | 37       | 144       | 1.23  | 50       |      |
| Acenaphthene                | 0.0346 | 0.00200 | 0.0400    | 0       | 86.4 | 47       | 145       | 0.174 | 48       |      |
| Acenaphthylene              | 0.0335 | 0.00200 | 0.0400    | 0       | 83.9 | 33       | 145       | 0.358 | 50       |      |
| Anthracene                  | 0.0347 | 0.00200 | 0.0400    | 0       | 86.6 | 27       | 133       | 1.43  | 50       |      |
| Benzo[b]fluoranthene        | 0.0378 | 0.00200 | 0.0400    | 0       | 94.4 | 24       | 159       | 9.24  | 50       |      |
| Benzo[g,h,i]perylene        | 0.0404 | 0.00200 | 0.0400    | 0       | 101  | 10       | 219       | 3.60  | 50       |      |
| Benzo[k]fluoranthene        | 0.0378 | 0.00200 | 0.0400    | 0       | 94.5 | 11       | 162       | 5.60  | 50       |      |
| Bis(2-chloroethoxy)methane  | 0.0346 | 0.00200 | 0.0400    | 0       | 86.4 | 33       | 184       | 0.930 | 50       |      |
| Bis(2-chloroethyl)ether     | 0.0360 | 0.00200 | 0.0400    | 0       | 90.1 | 12       | 158       | 1.21  | 50       |      |
| Bis(2-chloroisopropyl)ether | 0.0310 | 0.00200 | 0.0400    | 0       | 77.4 | 36       | 166       | 0.388 | 50       |      |
| Bis(2-ethylhexyl)phthalate  | 0.0444 | 0.00600 | 0.0400    | 0       | 111  | 10       | 158       | 1.30  | 50       |      |
| 4-Bromophenyl phenyl ether  | 0.0349 | 0.00200 | 0.0400    | 0       | 87.3 | 53       | 127       | 0.969 | 43       |      |
| Butyl benzyl phthalate      | 0.0422 | 0.00600 | 0.0400    | 0       | 105  | 10       | 152       | 1.48  | 50       |      |
| 2-Chloronaphthalene         | 0.0350 | 0.00200 | 0.0400    | 0       | 87.4 | 60       | 120       | 0.172 | 24       |      |
| 4-Chlorophenyl phenyl ether | 0.0339 | 0.00200 | 0.0400    | 0       | 84.8 | 25       | 158       | 0.822 | 50       |      |
| Dibenz[a,h]anthracene       | 0.0405 | 0.00200 | 0.0400    | 0       | 101  | 10       | 125       | 2.05  | 50       |      |
| 3,3'-Dichlorobenzidine      | 0.0363 | 0.00500 | 0.0400    | 0       | 90.8 | 10       | 262       | 0.830 | 50       |      |
| Diethyl phthalate           | 0.0361 | 0.00600 | 0.0400    | 0       | 90.2 | 10       | 120       | 1.21  | 50       |      |
| Dimethyl phthalate          | 0.0354 | 0.00600 | 0.0400    | 0       | 88.5 | 10       | 120       | 0.113 | 50       |      |
| Di-n-butyl phthalate        | 0.0400 | 0.00600 | 0.0400    | 0       | 100  | 10       | 120       | 1.39  | 47       |      |
| 2,4-Dinitrotoluene          | 0.0355 | 0.00200 | 0.0400    | 0       | 88.6 | 39       | 139       | 0.675 | 42       |      |
| 2,6-Dinitrotoluene          | 0.0357 | 0.00200 | 0.0400    | 0       | 89.2 | 50       | 158       | 0.392 | 48       |      |

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

**CLIENT:** Pollution Control Services  
**Work Order:** 2409128  
**Project:** PCS 775088

## ANALYTICAL QC SUMMARY REPORT

**RunID:** GCMS9\_240923A

|                               |                              |  |                             |
|-------------------------------|------------------------------|--|-----------------------------|
| Sample ID: <b>LCSD-117275</b> | Batch ID: <b>117275</b>      | TestNo: <b>E625.1</b>                      | Units: <b>mg/L</b>          |
| SampType: <b>LCSD</b>         | Run ID: <b>GCMS9_240923A</b> | Analysis Date: <b>9/23/2024 4:34:00 PM</b> | Prep Date: <b>9/23/2024</b> |

| Analyte                    | Result | RL      | SPK value | Ref Val | %REC | LowLimit | HighLimit | %RPD  | RPDLimit | Qual |
|----------------------------|--------|---------|-----------|---------|------|----------|-----------|-------|----------|------|
| Di-n-octyl phthalate       | 0.0395 | 0.00600 | 0.0400    | 0       | 98.9 | 10       | 146       | 0.555 | 50       |      |
| 1,2-Diphenylhydrazine      | 0.0333 | 0.00200 | 0.0400    | 0       | 83.2 | 40       | 140       | 0.957 | 50       |      |
| Fluoranthene               | 0.0397 | 0.00200 | 0.0400    | 0       | 99.2 | 26       | 137       | 0.753 | 50       |      |
| Fluorene                   | 0.0360 | 0.00200 | 0.0400    | 0       | 89.9 | 59       | 121       | 1.16  | 38       |      |
| Hexachlorocyclopentadiene  | 0.0301 | 0.00200 | 0.0400    | 0       | 75.4 | 8        | 130       | 2.55  | 50       |      |
| Indeno[1,2,3-cd]pyrene     | 0.0392 | 0.00200 | 0.0400    | 0       | 98.0 | 10       | 171       | 2.97  | 50       |      |
| Isophorone                 | 0.0347 | 0.00200 | 0.0400    | 0       | 86.8 | 21       | 196       | 1.68  | 50       |      |
| Naphthalene                | 0.0322 | 0.00200 | 0.0400    | 0       | 80.6 | 21       | 133       | 0     | 50       |      |
| N-Nitrosodimethylamine     | 0.0145 | 0.00200 | 0.0400    | 0       | 36.3 | 10       | 125       | 2.32  | 50       |      |
| N-Nitrosodi-n-propylamine  | 0.0360 | 0.00200 | 0.0400    | 0       | 90.0 | 10       | 230       | 0.055 | 50       |      |
| N-Nitrosodiphenylamine     | 0.0361 | 0.00200 | 0.0400    | 0       | 90.3 | 20       | 125       | 1.81  | 50       |      |
| Pyrene                     | 0.0373 | 0.00200 | 0.0400    | 0       | 93.3 | 52       | 120       | 0.646 | 49       |      |
| 1,2,4-Trichlorobenzene     | 0.0318 | 0.00200 | 0.0400    | 0       | 79.6 | 44       | 142       | 0.439 | 50       |      |
| Surr: 2,4,6-Tribromophenol | 72.4   |         | 80.00     |         | 90.5 | 10       | 123       | 0     | 0        |      |
| Surr: 2-Fluorobiphenyl     | 63.0   |         | 80.00     |         | 78.8 | 43       | 116       | 0     | 0        |      |
| Surr: 2-Fluorophenol       | 43.6   |         | 80.00     |         | 54.5 | 21       | 100       | 0     | 0        |      |
| Surr: 4-Terphenyl-d14      | 65.8   |         | 80.00     |         | 82.2 | 33       | 141       | 0     | 0        |      |
| Surr: Nitrobenzene-d5      | 69.4   |         | 80.00     |         | 86.8 | 35       | 115       | 0     | 0        |      |
| Surr: Phenol-d5            | 30.2   |         | 80.00     |         | 37.8 | 10       | 94        | 0     | 0        |      |

|                             |                              |  |                             |
|-----------------------------|------------------------------|--|-----------------------------|
| Sample ID: <b>MB-117275</b> | Batch ID: <b>117275</b>      | TestNo: <b>E625.1</b>                      | Units: <b>mg/L</b>          |
| SampType: <b>MBLK</b>       | Run ID: <b>GCMS9_240923A</b> | Analysis Date: <b>9/23/2024 6:05:00 PM</b> | Prep Date: <b>9/23/2024</b> |

| Analyte                  | Result   | RL      | SPK value | Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|--------------------------|----------|---------|-----------|---------|------|----------|-----------|------|----------|------|
| Benzidine                | <0.00100 | 0.00400 |           |         |      |          |           |      |          |      |
| Benzo[a]anthracene       | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| Benzo[a]pyrene           | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| Chrysene                 | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| 2,4-Dimethylphenol       | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| 4,6-Dinitro-o-cresol     | <0.00200 | 0.00400 |           |         |      |          |           |      |          |      |
| m,p-Cresols              | <0.00200 | 0.00400 |           |         |      |          |           |      |          |      |
| o-Cresol                 | <0.00200 | 0.00400 |           |         |      |          |           |      |          |      |
| p-Chloro-m-Cresol        | <0.00200 | 0.00400 |           |         |      |          |           |      |          |      |
| Hexachlorobenzene        | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| Hexachlorobutadiene      | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| Hexachloroethane         | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| Nitrobenzene             | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| N-Nitrosodiethylamine    | <0.00200 | 0.00400 |           |         |      |          |           |      |          |      |
| N-Nitrosodi-n-butylamine | <0.00100 | 0.00400 |           |         |      |          |           |      |          |      |
| Pentachlorobenzene       | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| Pentachlorophenol        | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |

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

**CLIENT:** Pollution Control Services  
**Work Order:** 2409128  
**Project:** PCS 775088

## ANALYTICAL QC SUMMARY REPORT

**RunID:** GCMS9\_240923A

|                             |                              |  |                             |
|-----------------------------|------------------------------|--|-----------------------------|
| Sample ID: <b>MB-117275</b> | Batch ID: <b>117275</b>      | TestNo: <b>E625.1</b>                      | Units: <b>mg/L</b>          |
| SampType: <b>MBLK</b>       | Run ID: <b>GCMS9_240923A</b> | Analysis Date: <b>9/23/2024 6:05:00 PM</b> | Prep Date: <b>9/23/2024</b> |

| Analyte                     | Result   | RL      | SPK value | Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|-----------------------------|----------|---------|-----------|---------|------|----------|-----------|------|----------|------|
| Phenanthrene                | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| Pyridine                    | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| 1,2,4,5-Tetrachlorobenzene  | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| 2,4,5-Trichlorophenol       | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| 2-Chlorophenol              | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| 2,4-Dichlorophenol          | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| 2,4-Dinitrophenol           | <0.00200 | 0.00400 |           |         |      |          |           |      |          |      |
| 2-Nitrophenol               | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| 4-Nitrophenol               | <0.00200 | 0.00400 |           |         |      |          |           |      |          |      |
| Phenol                      | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| 2,4,6-Trichlorophenol       | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| Acenaphthene                | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| Acenaphthylene              | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| Anthracene                  | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| Benzo[b]fluoranthene        | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| Benzo[g,h,i]perylene        | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| Benzo[k]fluoranthene        | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| Bis(2-chloroethoxy)methane  | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| Bis(2-chloroethyl)ether     | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| Bis(2-chloroisopropyl)ether | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| Bis(2-ethylhexyl)phthalate  | <0.00300 | 0.00600 |           |         |      |          |           |      |          |      |
| 4-Bromophenyl phenyl ether  | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| Butyl benzyl phthalate      | <0.00300 | 0.00600 |           |         |      |          |           |      |          |      |
| 2-Chloronaphthalene         | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| 4-Chlorophenyl phenyl ether | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| Dibenz[a,h]anthracene       | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| 3,3'-Dichlorobenzidine      | <0.00100 | 0.00500 |           |         |      |          |           |      |          |      |
| Diethyl phthalate           | <0.00300 | 0.00600 |           |         |      |          |           |      |          |      |
| Dimethyl phthalate          | <0.00300 | 0.00600 |           |         |      |          |           |      |          |      |
| Di-n-butyl phthalate        | <0.00300 | 0.00600 |           |         |      |          |           |      |          |      |
| 2,4-Dinitrotoluene          | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| 2,6-Dinitrotoluene          | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| Di-n-octyl phthalate        | <0.00300 | 0.00600 |           |         |      |          |           |      |          |      |
| 1,2-Diphenylhydrazine       | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| Fluoranthene                | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| Fluorene                    | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| Hexachlorocyclopentadiene   | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| Indeno[1,2,3-cd]pyrene      | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| Isophorone                  | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| Naphthalene                 | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |
| N-Nitrosodimethylamine      | <0.00100 | 0.00200 |           |         |      |          |           |      |          |      |

**Qualifiers:**

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAP certified

**CLIENT:** Pollution Control Services  
**Work Order:** 2409128  
**Project:** PCS 775088

## ANALYTICAL QC SUMMARY REPORT

**RunID:** GCMS9\_240923A

| Sample ID: <b>MB-117275</b> | Batch ID: <b>117275</b>      | TestNo: <b>E625.1</b>                      | Units: <b>mg/L</b>          |         |      |          |           |      |          |      |
|-----------------------------|------------------------------|--|-----------------------------|---------|------|----------|-----------|------|----------|------|
| SampType: <b>MBLK</b>       | Run ID: <b>GCMS9_240923A</b> | Analysis Date: <b>9/23/2024 6:05:00 PM</b> | Prep Date: <b>9/23/2024</b> |         |      |          |           |      |          |      |
| Analyte                     | Result                       | RL   | SPK value                   | Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| N-Nitrosodi-n-propylamine   | <0.00100                     | 0.00200                                    |                             |         |      |          |           |      |          |      |
| N-Nitrosodiphenylamine      | <0.00100                     | 0.00200                                    |                             |         |      |          |           |      |          |      |
| Pyrene                      | <0.00100                     | 0.00200                                    |                             |         |      |          |           |      |          |      |
| 1,2,4-Trichlorobenzene      | <0.00100                     | 0.00200                                    |                             |         |      |          |           |      |          |      |
| Surr: 2,4,6-Tribromophenol  | 76.0                         |  | 80.00                       |         | 95.0 | 10       | 123       |      |          |      |
| Surr: 2-Fluorobiphenyl      | 67.6                         |  | 80.00                       |         | 84.5 | 43       | 116       |      |          |      |
| Surr: 2-Fluorophenol        | 47.4                         |  | 80.00                       |         | 59.2 | 21       | 100       |      |          |      |
| Surr: 4-Terphenyl-d14       | 66.6                         |  | 80.00                       |         | 83.3 | 33       | 141       |      |          |      |
| Surr: Nitrobenzene-d5       | 71.8                         |  | 80.00                       |         | 89.8 | 35       | 115       |      |          |      |
| Surr: Phenol-d5             | 30.6                         |  | 80.00                       |         | 38.2 | 10       | 94        |      |          |      |

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



**CLIENT:** Pollution Control Services  
**Work Order:** 2409128  
**Project:** PCS 775088

## ANALYTICAL QC SUMMARY REPORT

**RunID:** GCMS9\_240923B

The QC data in batch 117275 applies to the following samples: 2409128-01B

|                                 |                              |  |                             |
|---------------------------------|------------------------------|--|-----------------------------|
| Sample ID: <b>LCS-117275-NP</b> | Batch ID: <b>117275</b>      | TestNo: <b>D7065-17</b>                    | Units: <b>mg/L</b>          |
| SampType: <b>LCS</b>            | Run ID: <b>GCMS9_240923B</b> | Analysis Date: <b>9/23/2024 5:20:00 PM</b> | Prep Date: <b>9/23/2024</b> |

| Analyte     | Result | RL    | SPK value | Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|-------------|--------|-------|-----------|---------|------|----------|-----------|------|----------|------|
| Nonylphenol | 0.898  | 0.100 | 1.00      | 0       | 89.8 | 40       | 140       |      |          | N    |

|                             |                              |  |                             |
|-----------------------------|------------------------------|--|-----------------------------|
| Sample ID: <b>MB-117275</b> | Batch ID: <b>117275</b>      | TestNo: <b>D7065-17</b>                    | Units: <b>mg/L</b>          |
| SampType: <b>MBLK</b>       | Run ID: <b>GCMS9_240923B</b> | Analysis Date: <b>9/23/2024 6:05:00 PM</b> | Prep Date: <b>9/23/2024</b> |

| Analyte     | Result  | RL    | SPK value | Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|-------------|---------|-------|-----------|---------|------|----------|-----------|------|----------|------|
| Nonylphenol | <0.0700 | 0.100 |           |         |      |          |           |      |          | N    |

**Qualifiers:**

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAP certified

**CLIENT:** Pollution Control Services  
**Work Order:** 2409128  
**Project:** PCS 775088

## ANALYTICAL QC SUMMARY REPORT

**RunID:** GCMS5\_240918B

The QC data in batch 117216 applies to the following samples: 2409128-02A

|                              |                              |   |                             |
|------------------------------|------------------------------|---|-----------------------------|
| Sample ID: <b>LCS-117216</b> | Batch ID: <b>117216</b>      | TestNo: <b>E624.1</b>                       | Units: <b>mg/L</b>          |
| SampType: <b>LCS</b>         | Run ID: <b>GCMS5_240918B</b> | Analysis Date: <b>9/18/2024 12:30:00 PM</b> | Prep Date: <b>9/18/2024</b> |

| Analyte                      | Result | RL      | SPK value | Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|------------------------------|--------|---------|-----------|---------|------|----------|-----------|------|----------|------|
| Benzene                      | 0.0262 | 0.00100 | 0.0232    | 0       | 113  | 65       | 135       |      |          |      |
| Carbon tetrachloride         | 0.0238 | 0.00100 | 0.0232    | 0       | 103  | 70       | 130       |      |          |      |
| Chlorobenzene                | 0.0255 | 0.00100 | 0.0232    | 0       | 110  | 35       | 135       |      |          |      |
| Chloroform                   | 0.0245 | 0.00100 | 0.0232    | 0       | 106  | 70       | 135       |      |          |      |
| Chlorodibromomethane         | 0.0257 | 0.00100 | 0.0232    | 0       | 111  | 70       | 135       |      |          |      |
| 1,2-Dibromoethane            | 0.0255 | 0.00100 | 0.0232    | 0       | 110  | 60       | 140       |      |          |      |
| 1,2-Dichloroethane           | 0.0240 | 0.00100 | 0.0232    | 0       | 103  | 70       | 130       |      |          |      |
| 1,1-Dichloroethene           | 0.0246 | 0.00100 | 0.0232    | 0       | 106  | 50       | 150       |      |          |      |
| Methyl ethyl ketone          | 0.141  | 0.0150  | 0.116     | 0       | 122  | 60       | 140       |      |          |      |
| Tetrachloroethene            | 0.0259 | 0.00200 | 0.0232    | 0       | 111  | 70       | 130       |      |          |      |
| Trichloroethene              | 0.0248 | 0.00100 | 0.0232    | 0       | 107  | 65       | 135       |      |          |      |
| 1,1,1-Trichloroethane        | 0.0238 | 0.00100 | 0.0232    | 0       | 102  | 70       | 130       |      |          |      |
| TTHM (Total Trihalomethanes) | 0.0997 | 0.00100 | 0.0928    | 0       | 107  | 60       | 140       |      |          |      |
| Vinyl chloride               | 0.0264 | 0.00100 | 0.0232    | 0       | 114  | 5        | 195       |      |          |      |
| Acrolein                     | 0.0570 | 0.0150  | 0.0580    | 0       | 98.3 | 60       | 140       |      |          |      |
| Acrylonitrile                | 0.0532 | 0.00300 | 0.0464    | 0       | 115  | 60       | 140       |      |          |      |
| 1,1,1,2-Tetrachloroethane    | 0.0262 | 0.00100 | 0.0232    | 0       | 113  | 60       | 140       |      |          |      |
| Bromoform                    | 0.0248 | 0.00100 | 0.0232    | 0       | 107  | 65       | 135       |      |          |      |
| Chloroethane                 | 0.0228 | 0.00500 | 0.0232    | 0       | 98.3 | 40       | 160       |      |          |      |
| 2-Chloroethylvinylether      | 0.0264 | 0.0100  | 0.0232    | 0       | 114  | 5        | 225       |      |          |      |
| Bromodichloromethane         | 0.0248 | 0.00100 | 0.0232    | 0       | 107  | 65       | 135       |      |          |      |
| 1,1-Dichloroethane           | 0.0270 | 0.00100 | 0.0232    | 0       | 117  | 70       | 130       |      |          |      |
| 1,2-Dichloropropane          | 0.0282 | 0.00100 | 0.0232    | 0       | 122  | 35       | 165       |      |          |      |
| 1,3-Dichloropropene (cis)    | 0.0260 | 0.00100 | 0.0232    | 0       | 112  | 25       | 175       |      |          |      |
| 1,3-Dichloropropene (trans)  | 0.0246 | 0.00100 | 0.0232    | 0       | 106  | 50       | 150       |      |          |      |
| Ethylbenzene                 | 0.0248 | 0.00100 | 0.0232    | 0       | 107  | 60       | 140       |      |          |      |
| Methyl bromide               | 0.0162 | 0.00500 | 0.0232    | 0       | 69.7 | 15       | 185       |      |          |      |
| Methyl chloride              | 0.0317 | 0.00500 | 0.0232    | 0       | 137  | 5        | 205       |      |          |      |
| Methylene chloride (DCM)     | 0.0257 | 0.00500 | 0.0232    | 0       | 111  | 60       | 140       |      |          |      |
| Toluene                      | 0.0252 | 0.00200 | 0.0232    | 0       | 109  | 70       | 130       |      |          |      |
| trans-1,2-Dichloroethylene   | 0.0249 | 0.00200 | 0.0232    | 0       | 108  | 70       | 130       |      |          |      |
| 1,1,2-Trichloroethane        | 0.0254 | 0.00100 | 0.0232    | 0       | 110  | 70       | 130       |      |          |      |
| 1,2-Dichlorobenzene          | 0.0259 | 0.00100 | 0.0232    | 0       | 111  | 65       | 135       |      |          |      |
| 1,3-Dichlorobenzene          | 0.0256 | 0.00100 | 0.0232    | 0       | 110  | 70       | 130       |      |          |      |
| 1,4-Dichlorobenzene          | 0.0254 | 0.00100 | 0.0232    | 0       | 110  | 65       | 135       |      |          |      |
| Surr: 1,2-Dichloroethane-d4  | 190    |         | 200.0     |         | 94.8 | 72       | 119       |      |          |      |
| Surr: 4-Bromofluorobenzene   | 201    |         | 200.0     |         | 100  | 76       | 119       |      |          |      |
| Surr: Dibromofluoromethane   | 197    |         | 200.0     |         | 98.6 | 85       | 115       |      |          |      |
| Surr: Toluene-d8             | 210    |         | 200.0     |         | 105  | 81       | 120       |      |          |      |

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

**CLIENT:** Pollution Control Services  
**Work Order:** 2409128  
**Project:** PCS 775088

## ANALYTICAL QC SUMMARY REPORT

**RunID:** GCMS5\_240918B

|                             |                              |  |                             |         |      |          |           |      |          |      |
|-----------------------------|------------------------------|--|-----------------------------|---------|------|----------|-----------|------|----------|------|
| Sample ID: <b>MB-117216</b> | Batch ID: <b>117216</b>      | TestNo: <b>E624.1</b>                      | Units: <b>mg/L</b>          |         |      |          |           |      |          |      |
| SampType: <b>MBLK</b>       | Run ID: <b>GCMS5_240918B</b> | Analysis Date: <b>9/18/2024 1:49:00 PM</b> | Prep Date: <b>9/18/2024</b> |         |      |          |           |      |          |      |
| Analyte                     | Result                       | RL   | SPK value                   | Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |

|                              |           |         |       |  |      |    |     |  |  |  |
|------------------------------|-----------|---------|-------|--|------|----|-----|--|--|--|
| Benzene                      | <0.000300 | 0.00100 |       |  |      |    |     |  |  |  |
| Carbon tetrachloride         | <0.000300 | 0.00100 |       |  |      |    |     |  |  |  |
| Chlorobenzene                | <0.000300 | 0.00100 |       |  |      |    |     |  |  |  |
| Chloroform                   | <0.000300 | 0.00100 |       |  |      |    |     |  |  |  |
| Chlorodibromomethane         | <0.000300 | 0.00100 |       |  |      |    |     |  |  |  |
| 1,2-Dibromoethane            | <0.000300 | 0.00100 |       |  |      |    |     |  |  |  |
| 1,2-Dichloroethane           | <0.000300 | 0.00100 |       |  |      |    |     |  |  |  |
| 1,1-Dichloroethene           | <0.000300 | 0.00100 |       |  |      |    |     |  |  |  |
| Methyl ethyl ketone          | <0.00500  | 0.0150  |       |  |      |    |     |  |  |  |
| Tetrachloroethene            | <0.000600 | 0.00200 |       |  |      |    |     |  |  |  |
| Trichloroethene              | <0.000600 | 0.00100 |       |  |      |    |     |  |  |  |
| 1,1,1-Trichloroethane        | <0.000300 | 0.00100 |       |  |      |    |     |  |  |  |
| TTHM (Total Trihalomethanes) | <0.000300 | 0.00100 |       |  |      |    |     |  |  |  |
| Vinyl chloride               | <0.000300 | 0.00100 |       |  |      |    |     |  |  |  |
| Acrolein                     | <0.00500  | 0.0150  |       |  |      |    |     |  |  |  |
| Acrylonitrile                | <0.00100  | 0.00300 |       |  |      |    |     |  |  |  |
| 1,1,2,2-Tetrachloroethane    | <0.000300 | 0.00100 |       |  |      |    |     |  |  |  |
| Bromoform                    | <0.000300 | 0.00100 |       |  |      |    |     |  |  |  |
| Chloroethane                 | <0.00100  | 0.00500 |       |  |      |    |     |  |  |  |
| 2-Chloroethylvinylether      | <0.00600  | 0.0100  |       |  |      |    |     |  |  |  |
| Bromodichloromethane         | <0.000300 | 0.00100 |       |  |      |    |     |  |  |  |
| 1,1-Dichloroethane           | <0.000300 | 0.00100 |       |  |      |    |     |  |  |  |
| 1,2-Dichloropropane          | <0.000300 | 0.00100 |       |  |      |    |     |  |  |  |
| 1,3-Dichloropropene (cis)    | <0.000300 | 0.00100 |       |  |      |    |     |  |  |  |
| 1,3-Dichloropropene (trans)  | <0.000300 | 0.00100 |       |  |      |    |     |  |  |  |
| Ethylbenzene                 | <0.000300 | 0.00100 |       |  |      |    |     |  |  |  |
| Methyl bromide               | <0.00100  | 0.00500 |       |  |      |    |     |  |  |  |
| Methyl chloride              | <0.00100  | 0.00500 |       |  |      |    |     |  |  |  |
| Methylene chloride (DCM)     | <0.00250  | 0.00500 |       |  |      |    |     |  |  |  |
| Toluene                      | <0.000600 | 0.00200 |       |  |      |    |     |  |  |  |
| trans-1,2-Dichloroethylene   | <0.000300 | 0.00200 |       |  |      |    |     |  |  |  |
| 1,1,2-Trichloroethane        | <0.000300 | 0.00100 |       |  |      |    |     |  |  |  |
| 1,2-Dichlorobenzene          | <0.000300 | 0.00100 |       |  |      |    |     |  |  |  |
| 1,3-Dichlorobenzene          | <0.000300 | 0.00100 |       |  |      |    |     |  |  |  |
| 1,4-Dichlorobenzene          | <0.000300 | 0.00100 |       |  |      |    |     |  |  |  |
| Surr: 1,2-Dichloroethane-d4  | 193       |         | 200.0 |  | 96.4 | 72 | 119 |  |  |  |
| Surr: 4-Bromofluorobenzene   | 209       |         | 200.0 |  | 104  | 76 | 119 |  |  |  |
| Surr: Dibromofluoromethane   | 205       |         | 200.0 |  | 102  | 85 | 115 |  |  |  |
| Surr: Toluene-d8             | 218       |         | 200.0 |  | 109  | 81 | 120 |  |  |  |

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

**CLIENT:** Pollution Control Services  
**Work Order:** 2409128  
**Project:** PCS 775088

## ANALYTICAL QC SUMMARY REPORT

**RunID:** GCMS5\_240918B

| Sample ID: 2409117-02AMS     | Batch ID: 117216      | TestNo: E624.1                      | Units: mg/L          |         |      |          |           |      |          |      |
|------------------------------|-----------------------|-------------------------------------|----------------------|---------|------|----------|-----------|------|----------|------|
| SampType: MS                 | Run ID: GCMS5_240918B | Analysis Date: 9/18/2024 7:16:00 PM | Prep Date: 9/18/2024 |         |      |          |           |      |          |      |
| Analyte                      | Result                | RL                                  | SPK value            | Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene                      | 0.541                 | 0.0200                              | 0.464                | 0       | 117  | 37       | 151       |      |          |      |
| Carbon tetrachloride         | 0.492                 | 0.0200                              | 0.464                | 0       | 106  | 70       | 140       |      |          |      |
| Chlorobenzene                | 0.517                 | 0.0200                              | 0.464                | 0       | 111  | 37       | 160       |      |          |      |
| Chloroform                   | 0.518                 | 0.0200                              | 0.464                | 0       | 112  | 51       | 138       |      |          |      |
| Chlorodibromomethane         | 0.516                 | 0.0200                              | 0.464                | 0       | 111  | 53       | 149       |      |          |      |
| 1,2-Dibromoethane            | 0.508                 | 0.0200                              | 0.464                | 0       | 110  | 40       | 160       |      |          |      |
| 1,2-Dichloroethane           | 0.508                 | 0.0200                              | 0.464                | 0       | 109  | 49       | 155       |      |          |      |
| 1,1-Dichloroethene           | 0.499                 | 0.0200                              | 0.464                | 0       | 108  | 10       | 234       |      |          |      |
| Methyl ethyl ketone          | 2.78                  | 0.300                               | 2.32                 | 0       | 120  | 40       | 160       |      |          |      |
| Tetrachloroethene            | 0.518                 | 0.0400                              | 0.464                | 0       | 112  | 64       | 148       |      |          |      |
| Trichloroethene              | 0.514                 | 0.0200                              | 0.464                | 0       | 111  | 70       | 157       |      |          |      |
| 1,1,1-Trichloroethane        | 0.490                 | 0.0200                              | 0.464                | 0       | 106  | 52       | 162       |      |          |      |
| TTHM (Total Trihalomethanes) | 2.04                  | 0.0200                              | 1.86                 | 0       | 110  | 40       | 160       |      |          |      |
| Vinyl chloride               | 0.580                 | 0.0200                              | 0.464                | 0       | 125  | 10       | 251       |      |          |      |
| Acrolein                     | 1.39                  | 0.300                               | 1.16                 | 0       | 119  | 40       | 160       |      |          |      |
| Acrylonitrile                | 1.11                  | 0.0600                              | 0.928                | 0       | 120  | 40       | 160       |      |          |      |
| 1,1,2,2-Tetrachloroethane    | 0.534                 | 0.0200                              | 0.464                | 0       | 115  | 46       | 157       |      |          |      |
| Bromoform                    | 0.493                 | 0.0200                              | 0.464                | 0       | 106  | 45       | 169       |      |          |      |
| Chloroethane                 | 0.509                 | 0.100                               | 0.464                | 0       | 110  | 14       | 230       |      |          |      |
| 2-Chloroethylvinylether      | 0.450                 | 0.200                               | 0.464                | 0       | 96.9 | 5        | 273       |      |          |      |
| Bromodichloromethane         | 0.516                 | 0.0200                              | 0.464                | 0       | 111  | 35       | 155       |      |          |      |
| 1,1-Dichloroethane           | 0.563                 | 0.0200                              | 0.464                | 0       | 121  | 59       | 155       |      |          |      |
| 1,2-Dichloropropane          | 0.582                 | 0.0200                              | 0.464                | 0       | 125  | 10       | 210       |      |          |      |
| 1,3-Dichloropropene (cis)    | 0.514                 | 0.0200                              | 0.464                | 0       | 111  | 10       | 227       |      |          |      |
| 1,3-Dichloropropene (trans)  | 0.498                 | 0.0200                              | 0.464                | 0       | 107  | 17       | 183       |      |          |      |
| Ethylbenzene                 | 0.499                 | 0.0200                              | 0.464                | 0       | 107  | 37       | 162       |      |          |      |
| Methyl bromide               | 0.320                 | 0.100                               | 0.464                | 0       | 68.9 | 10       | 242       |      |          |      |
| Methyl chloride              | 0.712                 | 0.100                               | 0.464                | 0       | 154  | 5        | 273       |      |          |      |
| Methylene chloride (DCM)     | 0.527                 | 0.100                               | 0.464                | 0       | 114  | 10       | 221       |      |          |      |
| Toluene                      | 0.517                 | 0.0400                              | 0.464                | 0       | 111  | 47       | 150       |      |          |      |
| trans-1,2-Dichloroethylene   | 0.506                 | 0.0400                              | 0.464                | 0       | 109  | 54       | 156       |      |          |      |
| 1,1,2-Trichloroethane        | 0.525                 | 0.0200                              | 0.464                | 0       | 113  | 52       | 150       |      |          |      |
| 1,2-Dichlorobenzene          | 0.520                 | 0.0200                              | 0.464                | 0       | 112  | 18       | 190       |      |          |      |
| 1,3-Dichlorobenzene          | 0.509                 | 0.0200                              | 0.464                | 0       | 110  | 59       | 156       |      |          |      |
| 1,4-Dichlorobenzene          | 0.502                 | 0.0200                              | 0.464                | 0       | 108  | 18       | 190       |      |          |      |
| Surr: 1,2-Dichloroethane-d4  | 3790                  |                                     | 4000                 |         | 94.8 | 72       | 119       |      |          |      |
| Surr: 4-Bromofluorobenzene   | 3830                  |                                     | 4000                 |         | 95.7 | 76       | 119       |      |          |      |
| Surr: Dibromofluoromethane   | 3990                  |                                     | 4000                 |         | 99.6 | 85       | 115       |      |          |      |
| Surr: Toluene-d8             | 4100                  |                                     | 4000                 |         | 103  | 81       | 120       |      |          |      |

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

**CLIENT:** Pollution Control Services  
**Work Order:** 2409128  
**Project:** PCS 775088

## ANALYTICAL QC SUMMARY REPORT

**RunID:** GCMS5\_240918B

| Sample ID: 2409117-02AMSD    | Batch ID: 117216      | TestNo: E624.1                      |           |         |      | Units: mg/L          |           |       |          |      |
|------------------------------|-----------------------|-------------------------------------|-----------|---------|------|----------------------|-----------|-------|----------|------|
| SampType: MSD                | Run ID: GCMS5_240918B | Analysis Date: 9/18/2024 7:42:00 PM |           |         |      | Prep Date: 9/18/2024 |           |       |          |      |
| Analyte                      | Result                | RL                                  | SPK value | Ref Val | %REC | LowLimit             | HighLimit | %RPD  | RPDLimit | Qual |
| Benzene                      | 0.518                 | 0.0200                              | 0.464     | 0       | 112  | 37                   | 151       | 4.23  | 40       |      |
| Carbon tetrachloride         | 0.480                 | 0.0200                              | 0.464     | 0       | 103  | 70                   | 140       | 2.47  | 40       |      |
| Chlorobenzene                | 0.500                 | 0.0200                              | 0.464     | 0       | 108  | 37                   | 160       | 3.45  | 40       |      |
| Chloroform                   | 0.486                 | 0.0200                              | 0.464     | 0       | 105  | 51                   | 138       | 6.30  | 40       |      |
| Chlorodibromomethane         | 0.490                 | 0.0200                              | 0.464     | 0       | 106  | 53                   | 149       | 5.17  | 40       |      |
| 1,2-Dibromoethane            | 0.488                 | 0.0200                              | 0.464     | 0       | 105  | 40                   | 160       | 4.09  | 40       |      |
| 1,2-Dichloroethane           | 0.473                 | 0.0200                              | 0.464     | 0       | 102  | 49                   | 155       | 7.03  | 40       |      |
| 1,1-Dichloroethene           | 0.478                 | 0.0200                              | 0.464     | 0       | 103  | 10                   | 234       | 4.26  | 32       |      |
| Methyl ethyl ketone          | 2.80                  | 0.300                               | 2.32      | 0       | 121  | 40                   | 160       | 0.444 | 40       |      |
| Tetrachloroethene            | 0.494                 | 0.0400                              | 0.464     | 0       | 106  | 64                   | 148       | 4.86  | 39       |      |
| Trichloroethene              | 0.491                 | 0.0200                              | 0.464     | 0       | 106  | 70                   | 157       | 4.76  | 40       |      |
| 1,1,1-Trichloroethane        | 0.469                 | 0.0200                              | 0.464     | 0       | 101  | 52                   | 162       | 4.35  | 36       |      |
| TTHM (Total Trihalomethanes) | 1.94                  | 0.0200                              | 1.86      | 0       | 105  | 40                   | 160       | 5.17  | 40       |      |
| Vinyl chloride               | 0.530                 | 0.0200                              | 0.464     | 0       | 114  | 10                   | 251       | 8.93  | 40       |      |
| Acrolein                     | 1.39                  | 0.300                               | 1.16      | 0       | 120  | 40                   | 160       | 0.395 | 40       |      |
| Acrylonitrile                | 1.06                  | 0.0600                              | 0.928     | 0       | 114  | 40                   | 160       | 4.77  | 40       |      |
| 1,1,2,2-Tetrachloroethane    | 0.505                 | 0.0200                              | 0.464     | 0       | 109  | 46                   | 157       | 5.56  | 40       |      |
| Bromoform                    | 0.473                 | 0.0200                              | 0.464     | 0       | 102  | 45                   | 169       | 4.01  | 40       |      |
| Chloroethane                 | 0.468                 | 0.100                               | 0.464     | 0       | 101  | 14                   | 230       | 8.58  | 40       |      |
| 2-Chloroethylvinylether      | 0.472                 | 0.200                               | 0.464     | 0       | 102  | 5                    | 273       | 4.76  | 40       |      |
| Bromodichloromethane         | 0.490                 | 0.0200                              | 0.464     | 0       | 106  | 35                   | 155       | 5.16  | 40       |      |
| 1,1-Dichloroethane           | 0.539                 | 0.0200                              | 0.464     | 0       | 116  | 59                   | 155       | 4.44  | 40       |      |
| 1,2-Dichloropropane          | 0.549                 | 0.0200                              | 0.464     | 0       | 118  | 10                   | 210       | 5.90  | 40       |      |
| 1,3-Dichloropropene (cis)    | 0.486                 | 0.0200                              | 0.464     | 0       | 105  | 10                   | 227       | 5.62  | 40       |      |
| 1,3-Dichloropropene (trans)  | 0.467                 | 0.0200                              | 0.464     | 0       | 101  | 17                   | 183       | 6.39  | 40       |      |
| Ethylbenzene                 | 0.488                 | 0.0200                              | 0.464     | 0       | 105  | 37                   | 162       | 2.25  | 40       |      |
| Methyl bromide               | 0.314                 | 0.100                               | 0.464     | 0       | 67.8 | 10                   | 242       | 1.61  | 40       |      |
| Methyl chloride              | 0.646                 | 0.100                               | 0.464     | 0       | 139  | 5                    | 273       | 9.81  | 40       |      |
| Methylene chloride (DCM)     | 0.502                 | 0.100                               | 0.464     | 0       | 108  | 10                   | 221       | 4.89  | 28       |      |
| Toluene                      | 0.495                 | 0.0400                              | 0.464     | 0       | 107  | 47                   | 150       | 4.26  | 40       |      |
| trans-1,2-Dichloroethylene   | 0.488                 | 0.0400                              | 0.464     | 0       | 105  | 54                   | 156       | 3.68  | 40       |      |
| 1,1,2-Trichloroethane        | 0.498                 | 0.0200                              | 0.464     | 0       | 107  | 52                   | 150       | 5.18  | 40       |      |
| 1,2-Dichlorobenzene          | 0.500                 | 0.0200                              | 0.464     | 0       | 108  | 18                   | 190       | 3.92  | 40       |      |
| 1,3-Dichlorobenzene          | 0.492                 | 0.0200                              | 0.464     | 0       | 106  | 59                   | 156       | 3.31  | 40       |      |
| 1,4-Dichlorobenzene          | 0.483                 | 0.0200                              | 0.464     | 0       | 104  | 18                   | 190       | 3.83  | 40       |      |
| Surr: 1,2-Dichloroethane-d4  | 3890                  |                                     | 4000      |         | 97.2 | 72                   | 119       | 0     | 0        |      |
| Surr: 4-Bromofluorobenzene   | 3860                  |                                     | 4000      |         | 96.6 | 76                   | 119       | 0     | 0        |      |
| Surr: Dibromofluoromethane   | 3930                  |                                     | 4000      |         | 98.2 | 85                   | 115       | 0     | 0        |      |
| Surr: Toluene-d8             | 4130                  |                                     | 4000      |         | 103  | 81                   | 120       | 0     | 0        |      |

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



**CLIENT:** Pollution Control Services  
**Work Order:** 2409128  
**Project:** PCS 775088

## ANALYTICAL QC SUMMARY REPORT

**RunID:** UV/VIS\_2\_240926A

The QC data in batch 117340 applies to the following samples: 2409128-02B

|                                   |                          |                                     |                      |         |      |          |           |      |          |      |
|-----------------------------------|--------------------------|-------------------------------------|----------------------|---------|------|----------|-----------|------|----------|------|
| Sample ID: MB-117340              | Batch ID: 117340         | TestNo: M4500-CN E                  | Units: mg/L          |         |      |          |           |      |          |      |
| SampType: MBLK                    | Run ID: UV/VIS_2_240926A | Analysis Date: 9/26/2024 5:25:00 PM | Prep Date: 9/26/2024 |         |      |          |           |      |          |      |
| Analyte                           | Result                   | RL                                  | SPK value            | Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Cyanide, Amenable to Chlorination | <0.0100                  | 0.0200                              |                      |         |      |          |           |      |          |      |
| Cyanide, Total                    | <0.0100                  | 0.0200                              |                      |         |      |          |           |      |          |      |

|                              |                                 |  |                             |         |      |          |           |      |          |      |
|------------------------------|---------------------------------|--|-----------------------------|---------|------|----------|-----------|------|----------|------|
| Sample ID: <b>LCS-117340</b> | Batch ID: <b>117340</b>         | TestNo: <b>M4500-CN E</b>                  | Units: <b>mg/L</b>          |         |      |          |           |      |          |      |
| SampType: <b>LCS</b>         | Run ID: <b>UV/VIS_2_240926A</b> | Analysis Date: <b>9/26/2024 5:25:00 PM</b> | Prep Date: <b>9/26/2024</b> |         |      |          |           |      |          |      |
| Analyte                      | Result                          | RL   | SPK value                   | Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Cyanide, Total               | 0.186                           | 0.0200                                     | 0.2000                      | 0       | 92.8 | 85       | 115       |      |          |      |

|                                 |                                 |  |                             |         |      |          |           |      |          |      |
|---------------------------------|---------------------------------|--|-----------------------------|---------|------|----------|-----------|------|----------|------|
| Sample ID: <b>2409114-04BMS</b> | Batch ID: <b>117340</b>         | TestNo: <b>M4500-CN E</b>                  | Units: <b>mg/L</b>          |         |      |          |           |      |          |      |
| SampType: <b>MS</b>             | Run ID: <b>UV/VIS_2_240926A</b> | Analysis Date: <b>9/26/2024 5:26:00 PM</b> | Prep Date: <b>9/26/2024</b> |         |      |          |           |      |          |      |
| Analyte                         | Result                          | RL   | SPK value                   | Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Cyanide, Total                  | 0.186                           | 0.0200                                     | 0.2000                      | 0       | 92.9 | 79       | 114       |      |          |      |

|                           |                          |                                     |                      |         |      |          |           |      |          |      |
|---------------------------|--------------------------|-------------------------------------|----------------------|---------|------|----------|-----------|------|----------|------|
| Sample ID: 2409114-04BMSD | Batch ID: 117340         | TestNo: M4500-CN E                  | Units: mg/L          |         |      |          |           |      |          |      |
| SampType: MSD             | Run ID: UV/VIS_2_240926A | Analysis Date: 9/26/2024 5:27:00 PM | Prep Date: 9/26/2024 |         |      |          |           |      |          |      |
| Analyte                   | Result                   | RL                                  | SPK value            | Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Cyanide, Total            | 0.177                    | 0.0200                              | 0.2000               | 0       | 88.6 | 79       | 114       | 4.67 | 20       |      |

**Qualifiers:** B Analyte detected in the associated Method Blank  
J Analyte detected between MDL and RL  
ND Not Detected at the Method Detection Limit  
RL Reporting Limit  
J Analyte detected between SDL and RL

DF Dilution Factor  
MDL Method Detection Limit  
R RPD outside accepted control limits  
S Spike Recovery outside control limits  
N Parameter not NELAP certified

## Pollution Control Services

### Sample Log-In Checklist

775088

PCS Sample No(s) 775088 775089 COC No. \_\_\_\_\_

Client/Company Name: S.A. RA. Checklist Completed by: EV

#### Sample Delivery to Lab Via:

Client Drop Off ☒ Commercial Carrier: Bus \_\_\_\_\_ UPS \_\_\_\_\_ Lone Star \_\_\_\_\_ FedEx \_\_\_\_\_ USPS \_\_\_\_\_  
PCS Field Services: Collection/Pick Up \_\_\_\_\_ Other: \_\_\_\_\_

#### Sample Kit/Coolers

Sample Kit/Cooler? Yes ☒ No \_\_\_\_\_ Sample Kit/Cooler: Intact? Yes ☒ No \_\_\_\_\_  
Custody Seals on Sample Kit/Cooler: Not Present ☒ If Present, Intact \_\_\_\_\_ Broken \_\_\_\_\_  
Sample Containers Intact; Unbroken and Not Leaking? Yes ☒ No \_\_\_\_\_  
Custody Seals on Sample Bottles: Not Present ☒ If Present, Intact \_\_\_\_\_ Broken \_\_\_\_\_  
COC Present with Shipment or Delivery or Completed at Drop Off? Yes ☒ No \_\_\_\_\_  
Has COC sample date/time and other pertinent information been provided by client/sampler? Yes: ☒ No: \_\_\_\_\_  
Has COC been properly Signed when Received/Relinquished? Yes ☒ No \_\_\_\_\_  
Does COC agree with Sample Bottle Information, Bottle Types, Preservation, etc.? Yes ☒ No \_\_\_\_\_  
All Samples Received before Hold Time Expiration? Yes ☒ No \_\_\_\_\_  
Sufficient Sample Volumes for Analysis Requested? Yes ☒ No \_\_\_\_\_  
Zero Headspace in VOA Vial? Yes \_\_\_\_\_ No \_\_\_\_\_

#### Sample Preservation:

\* **Cooling:** Not Required \_\_\_\_\_ or Required ☒  
If cooling required, record temperature of submitted samples Observed/Corrected 7 / 4 °C  
Is Ice Present in Sample Kit/Cooler? ☒ Yes \_\_\_\_\_ No \_\_\_\_\_ Samples received same day as collected? ☒ Yes \_\_\_\_\_ No \_\_\_\_\_  
Lab Thermometer Make and Serial Number: Vaughan 1807009583 Other: \_\_\_\_\_

**Acid Preserved Sample - If present, is pH <2?** Yes ☒ No \_\_\_\_\_ \*\* ☒ H<sub>2</sub>SO<sub>4</sub> ☒ HNO<sub>3</sub> \_\_\_\_\_ H<sub>3</sub>PO<sub>4</sub> \_\_\_\_\_  
**Base Preserved Sample - If present, is pH >12?** Yes ☒ No \_\_\_\_\_ ☒ NaOH \_\_\_\_\_  
Other Preservation: \_\_\_\_\_ If Present, Meets Requirements? Yes \_\_\_\_\_ No \_\_\_\_\_  
Sample Preservations Checked by: EV Date 9/17/2024 Time 1037  
pH paper used to check sample preservation (PCS log #): 24-131 (HEM pH checked at analysis).  
Samples Preserved/Adjusted by Lab: Lab # \_\_\_\_\_ Parameters Preserved \_\_\_\_\_ Preservative Used \_\_\_\_\_ Log # \_\_\_\_\_

Adjusted by Tech/Analyst: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

#### Client Notification/ Documentation for "No" Responses Above/ Discrepancies/ Revision Comments

Person Notified: \_\_\_\_\_ Contacted by: \_\_\_\_\_  
Notified Date: \_\_\_\_\_ Time: \_\_\_\_\_  
Method of Contact: At Drop Off: \_\_\_\_\_ Phone \_\_\_\_\_ Left Voice Mail \_\_\_\_\_ E-Mail \_\_\_\_\_ Fax \_\_\_\_\_  
Unable to Contact \_\_\_\_\_ Authorized Laboratory to Proceed: \_\_\_\_\_ (Lab Director)  
Regarding / Comments: \_\_\_\_\_

Actions taken to correct problems/discrepancies: \_\_\_\_\_

Receiving qualifier needed (requires client notification above) Temp. \_\_\_\_\_ Holding Time \_\_\_\_\_ Initials: \_\_\_\_\_

Receiving qualifier entered into LIMS at login Initial/Date: \_\_\_\_\_

Revision Comments: \_\_\_\_\_

Salitrillo Wastewater Discharge Permit Renewal 02/2025  
TPDES No. WQ0010749-001 (EPA I.D. TX0053074)

## Attachment 9

### Domestic Technical Report 5.0

# 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 Page 86 of the instructions for further details.

This worksheet is not required for minor amendments without renewal.

### Section 1. Required Tests

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: 17 (10 *Ceriodaphnia dubia* / 7 *Pimephales promelas*)

48-hour Acute: 0

### Section 2. Toxicity Reduction Evaluations (TREs)

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

☐ Yes ☒ No

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

Click to enter text.

### Section 3. Summary of WET Tests

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

**Table 5.0(1) Summary of WET Tests**

| Test Date | Test Species | NOEC Survival | NOEC Sub-lethal |
|-----------|--------------|---------------|-----------------|
| N/A       |              |               |                 |
|           |              |               |                 |
|           |              |               |                 |
|           |              |               |                 |
|           |              |               |                 |
|           |              |               |                 |
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|           |              |               |                 |
|           |              |               |                 |



Salitrillo Wastewater Discharge Permit Renewal 02/2025  
TPDES No. WQ0010749-001 (EPA I.D. TX0053074)

## Attachment 10

### Domestic Technical Report 6.0

# 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 87)

#### 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: 1

Average Daily Flows, in MGD: 0.000253

Significant IUs – non-categorical:

Number of IUs: Click to enter text.

Average Daily Flows, in MGD: Click to enter text.

Other IUs:

Number of IUs: 4

Average Daily Flows, in MGD: 0.008280 See Attachment 16

#### B. Treatment plant interference

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

☐ Yes ☒ No

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

N/A

### C. Treatment plant pass through

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

☐ Yes ☒ No

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

N/A

### D. Pretreatment program

Does your POTW have an approved pretreatment program?

☐ Yes ☒ No

If **yes**, complete Section 2 only of this Worksheet.

Is your POTW required to develop an approved pretreatment program?

☐ Yes ☒ No

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

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

## Section 2. POTWs with Approved Programs or Those Required to Develop a Program (Instructions Page 87)

### A. Substantial modifications

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

☐ Yes ☒ No

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

Click to enter text.

**B. Non-substantial modifications**

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

☐ Yes ☒ No

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

Click to enter text.

**C. Effluent parameters above the MAL**

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

**Table 6.0(1) – Parameters Above the MAL**

| Pollutant | Concentration | MAL | Units | Date |
|-----------|---------------|-----|-------|------|
|           |               |     |       |      |
|           |               |     |       |      |
|           |               |     |       |      |
|           |               |     |       |      |
|           |               |     |       |      |
|           |               |     |       |      |

**D. Industrial user interruptions**

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

☐ Yes ☒ No

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

Click to enter text.

### Section 3. Significant Industrial User (SIU) Information and Categorical Industrial User (CIU) (Instructions Page 88)

#### A. General information

Company Name: Alamo Plating

SIC Code: 3471

Contact name: Jana Wallace

Address: 9230 Converse Business Lane

City, State, and Zip Code: Converse, TX 78109

Telephone number: (210) 658-4024

Email address: Click to enter text.

#### B. Process information

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

Electrochemical deposition of metals upon ferrous and nonferrous metal substrates.  
– See Attachment 17

#### C. Product and service information

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

Raw Material – Nickel, Copper, Gold, Chrome and Black Nickel. (1000 lbs/yr)

#### D. Flow rate information

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

Process Wastewater:

Discharge, in gallons/day: 53

Discharge Type: ☐ Continuous ☒ Batch ☐ Intermittent

Non-Process Wastewater:

Discharge, in gallons/day: 200

Discharge Type: ☐ Continuous ☐ Batch ☒ Intermittent



#### E. Pretreatment standards

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

☒ Yes ☐ No

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

☒ Yes ☐ No

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

Category: 413

Subcategories: 10

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

#### F. Industrial user interruptions

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

☐ Yes ☒ No

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

Click to enter text.

Salitrillo Wastewater Discharge Permit Renewal 02/2025  
TPDES No. WQ0010749-001 (EPA I.D. TX0053074)

## Water Balance

This application is for a renewal, Water Balance  
is not required.

Salitrillo Wastewater Discharge Permit Renewal 02/2025  
TPDES No. WQ0010749-001 (EPA I.D. TX0053074)

## Design Calculations

This application is for a renewal, Design Calculations  
are not required.

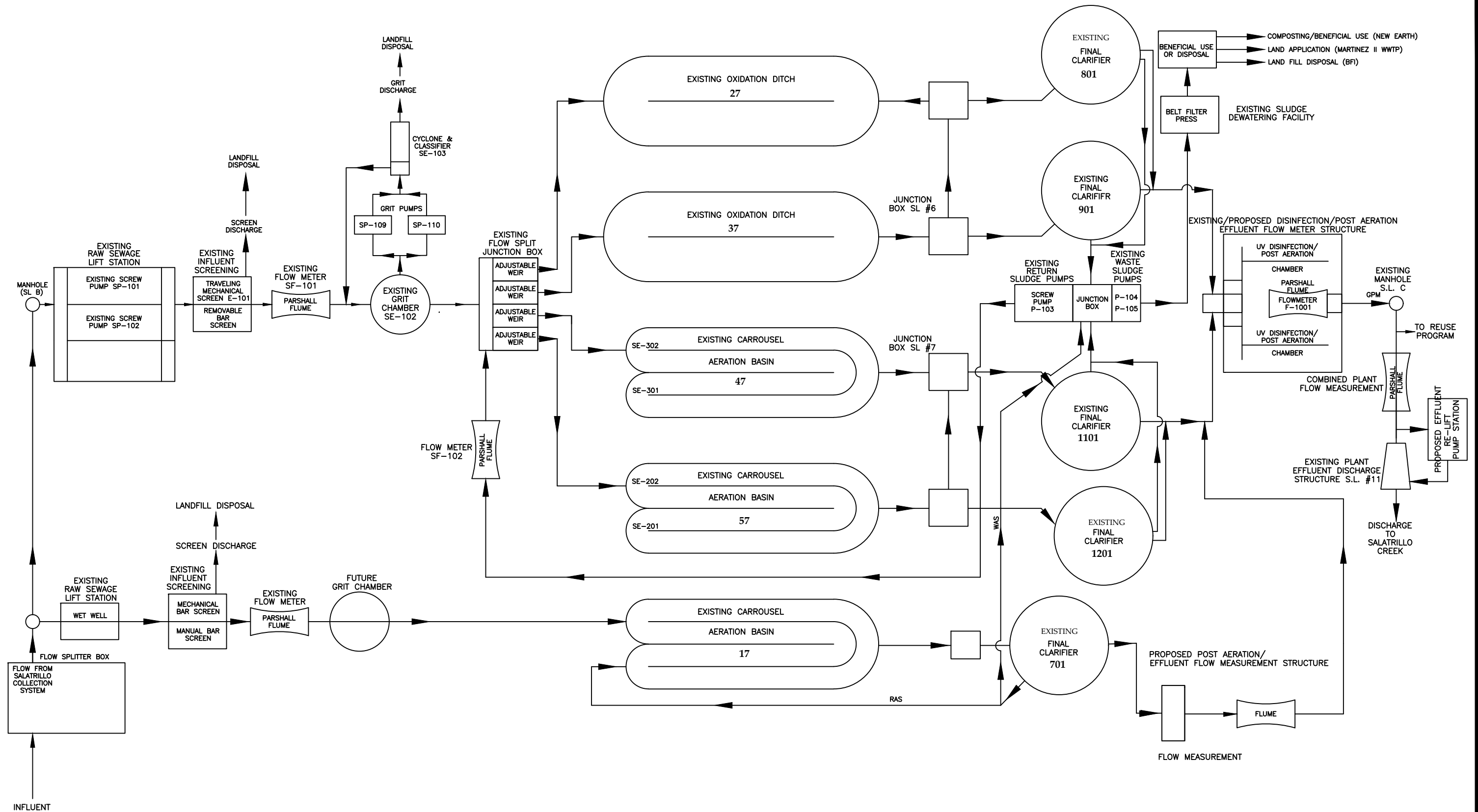
Salitrillo Wastewater Discharge Permit Renewal 02/2025  
TPDES No. WQ0010749-001 (EPA I.D. TX0053074)

## Attachment 13

### Flow Diagram

Reference: Domestic Technical Report 1.0

### Section 2 C



| NO. | REVISION | DATE | BY |
|-----|----------|------|----|
|     |          |      |    |
|     |          |      |    |
|     |          |      |    |
|     |          |      |    |
|     |          |      |    |

DESIGNED BY: JD  
 DRAWN BY: WTG  
 CHECKED BY: JD  
 APPROVED BY: JD  
 DATE: 7/12/19 FILE:  



SAN ANTONIO RIVER AUTHORITY  
 100 E. GUENTHER STREET  
 P.O. BOX 839980  
 SAN ANTONIO, TEXAS 78283-9980

VOLUME II - SALITRILLO WWTP

## FLOW DIAGRAM FINAL PHASE

Attachment  
13

SHEET  
 \_\_\_\_ OF \_\_\_\_

Salitrillo Wastewater Discharge Permit Renewal 02/2025  
TPDES No. WQ0010749-001 (EPA I.D. TX0053074)

## Attachment 11

### Treatment Process Description

Reference: Domestic Technical Report 1.0

### Section 2 A



## **Attachment 11**

### **Salitrillo WWTP Description of Treatment Process**

The Salitrillo WWTP is an activated sludge plant with a current permitted flow of 7.33 MGD. The mode of operation is extended aeration. The sewage (Raw) enters the plant at two separate lift stations and flows through two separate trains that include primary treatment and secondary treatment. The effluent from each train mix and flow thru an ultraviolet disinfection unit and leave the plant through one point of discharge.

#### First Train:

Currently, the Raw enters the plant through a lift station consisting of three centrifugal pumps rated at 2.30 MGD each. Next, the flow is pumped through a mechanical screen into an aeration basin having a volume of 1,400,000 gals with three aerators.

The mixed liquor then flows into a final clarifier that is 90 feet in diameter with a 16.5-foot sidewall depth (volume 785,000 gals), and an additional clarifier of similar size is being planned for the expansion. The settled sludge is returned to the aeration basin by three return activated sludge (RAS) centrifugal pumps rated at 2.0 MGD each.

The waste activated sludge is pumped into an aeration basin in the second train, followed by dewatering and disposal/reuse as is described later in this report.

#### Second Train:

The sewage enters the plant headworks through two (3) 54" Raw screw pumps rated at 4,889 gpm each. The headworks also include a 42" RAS screw pump rated at 2634 gpm. The raw wastewater then flows through a 2.5-foot-wide mechanical bar screen followed by a 2.5-foot-wide fixed bar screen and a 7.04 MGD capacity grit chamber.

The Raw then mixes with RAS and flows into four aeration basins. Two of the basins are Carrousel Units (volume 920,000 Gal. each) with two aerators in each basin. The other two are oxidation ditches (1,000,000 Gal. each) with two fixed rotors in each basin.

The mixed liquor then flows into four final clarifiers. Each clarifier is 100 feet in diameter with a 14-foot sidewall depth (820,000 Gal. each). The settled sludge from two of these clarifiers is returned to the headworks by three return activated sludge (RAS) centrifugal pumps rated at 2.3 MGD each. The settled sludge from the other two clarifiers is returned to the headworks by one 42" RAS screw pump rated at 3.79 MGD.

**Attachment 11****Salitrillo WWTP  
Description of Treatment Process  
(Continued)**

The effluent then flows through the Ultraviolet Disinfection System (rated at 18.33 MGD) followed by a post aeration basin consisting of two 7.5 horsepower blowers before being discharged. An effluent re-lift pump station is located after post aeration for use during high flows. The waste activated sludge is pumped to a 2.5-meter belt filter press where it is dewatered followed by either further treatment/reuse or disposal.

The dewatered sludge is disposed of in one of two ways:

1. Hauled to Martinez II WWTP to be composted and/or heat dried, biosolids will be marketed and distributed back into the wholesale/retail landscaping market. The San Antonio River Authority owns both WWTPs.
2. Hauled to BFI Tessman Road Municipal Solid Waste Landfill for final disposal.

Salitrillo Wastewater Discharge Permit Renewal 02/2025  
TPDES No. WQ0010749-001 (EPA I.D. TX0053074)

## Attachment 12

Type and Dimension of Each Treatment Unit

Reference: Domestic Technical Report 1.0

Section 2 B

## **Attachment 12**

### **Salitrillo WWTP Type and Dimensions of Treatment Units**

**The Salitrillo WWTP is divided between the “Upper” and “Lower” systems, and both flows are combined and discharged to Salitrillo Creek.**

#### **Upper Salitrillo WWTP:**

##### Headworks:

Three (3) 2.30 MGD Centrifugal Pumps  
One (1) ¼” Spacing Mechanical Bar Screen  
One (1) 1” Spacing Fixed Bar Screen

##### Aeration Chamber Dimensions:

Chamber 1: 92’6” x 206’

##### Clarifiers:

Clarifier 1: 90’ Diameter, 13’ Side Water Depth

##### RAS/WAS

Three (3) 2.0 MGD Centrifugal Pumps

##### Post Aeration Basin:

One (1) Basin: 22’ long x 10’ wide x 10’ deep

##### Flow Measurement:

Flow is measured through a 90-degree V-Notch Weir

#### **Lower Salitrillo WWTP:**

##### Headworks:

Three (3) 54” Diameter, 7.04 MGD Screw Pumps (each)  
One (1) 42” Diameter, 3.79 MGD Return Activated Sludge Pump  
One (1) ¼” Spacing Mechanical Screen  
One (1) 1” Spacing Fixed Bar Screen  
Grit Chamber (12’ Diameter X 5.5’ Deep)

## Attachment 12

### Salitrillo WWTP Type and Dimensions of Treatment Units

#### Aeration Chamber Dimensions:

Two (2) Carrousel Aeration Basins: 174' x 80' x 10' Deep 920,000-gal capacity (each)

Two (2) Oxidation Ditches: 485' x 55' x 5' Deep 1,000,000-gal capacity (each)

#### Clarifiers:

Four (4) Clarifiers: 100' Diameter, 14' Side Water Depth (each)  
800,000-gal capacity (each)

#### RAS/WAS

Three (3) 2.0 MGD Centrifugal Pumps

#### Post Aeration Basin:

One (1) Basin: 10' long x 15.75' wide x 8' deep

#### UV Disinfection:

Two (2) Channel: 31.85' long x 3.25' wide x 5.75' deep

Inclined Lamp System to treat 17.33 MGD Peak Flow

#### Flow Measurement:

44" Parshall Flume to measure combined Upper and Lower Plant Flows (used for TCEQ reporting)

#### Power Generators:

Caterpillar, Model 3516C, 2750 KW Capacity

Caterpillar, Model 3412, 550 KW Capacity

#### Sludge Dewatering:

2.5 Meter Belt Press

Salitrillo Wastewater Discharge Permit Renewal 02/2025  
TPDES No. WQ0010749-001 (EPA I.D. TX0053074)

## Attachment 15

### Pollutant Analysis of Treated Effluent

Reference: Domestic Technical Report 1.0


### Section 7



# POLLUTION CONTROL SERVICES



## Report of Sample Analysis

| Client Information  | Sample Information   | Laboratory Information  |
|---|--|---|
| <b>Daniel Flores</b><br><b>San Antonio River Authority</b><br><b>100 E. Guenther St</b><br><b>San Antonio, TX 78204</b> | <b>Project Name:</b> Salatillo Major Permit Renewal<br><b>Sample ID:</b> Effluent<br><b>Matrix:</b> Non-Potable Water<br><b>Date/Time Taken:</b> 9/17/2024 07:00 | <b>PCS Sample #:</b> 775088 <b>Page 1 of 5</b><br><b>Date/Time Received:</b> 9/17/2024 10:33<br><b>Report Date:</b> 10/1/2024<br><br><b>Approved by:</b> <br>Chuck Wallgren, President |

| Test Description       | Result | Units             | RL   | Analysis Date/Time | Method        | Analyst |
|------------------------|--------|-------------------|------|--------------------|---------------|---------|
| CBOD5                  | <3     | mg/L              | 3    | 09/17/2024 14:56   | SM 5210 B     | PML     |
| Chloride_IC            | 208    | mg/L              | 2    | 09/18/2024 05:57   | EPA 300.0     | JAS     |
| Conductivity, Specific | 1,093  | µmhos/cm at 25° C | 1    | 09/19/2024 08:20   | SM 2510B      | LCC     |
| Nitrate-N_IC           | 5.3    | mg/L              | 0.2  | 09/18/2024 05:57   | EPA 300.0     | JAS     |
| Phosphorus, Total      | 3.23   | mg/L              | 0.10 | 09/20/2024 04:40   | SM 4500-P/B/E | JAS     |
| Sulfate_IC             | 75     | mg/L              | 2    | 09/18/2024 05:57   | EPA 300.0     | JAS     |
| Total Dissolved Solids | 656    | mg/L              | 10   | 09/18/2024 12:50   | SM 2540C      | CLH/BMR |
| Total Suspended Solids | <1     | mg/L              | 1    | 09/17/2024 16:45   | SM 2540 D     | LCC     |

| Test Description       | Precision | Quality Assurance Summary |     |     |     |     |     |           | Blank |
|------------------------|-----------|---------------------------|-----|-----|-----|-----|-----|-----------|-------|
|                        |           | Limit                     | LCL | MS  | MSD | UCL | LCS | LCS Limit |       |
| CBOD5                  | <1        | 23                        | N/A | N/A | N/A | N/A | 185 | 167 - 228 |       |
| Chloride_IC            | 1         | 10                        | 95  | 99  | 98  | 102 | 100 | 85 - 115  |       |
| Conductivity, Specific | N/A       | N/A                       | N/A |     |     | N/A |     |           |       |
| Nitrate-N_IC           | 1         | 20                        | 70  | 102 | 101 | 130 | 100 | 85 - 115  |       |
| Phosphorus, Total      | 2         | 10                        | 91  | 101 | 99  | 103 | 99  | 85 - 115  |       |
| Sulfate_IC             | 1         | 10                        | 94  | 99  | 98  | 101 | 108 | 85 - 115  |       |
| Total Dissolved Solids | 3.558     | 10                        | N/A | N/A | N/A | N/A |     |           |       |
| Total Suspended Solids | 5         | 10                        | N/A |     |     | N/A |     |           |       |

**Quality Statement:** All supporting quality data adhered to data quality objectives and test results meet the requirements of NELAP unless otherwise noted as flagged exceptions or in a case narrative attachment. Reports with full quality data deliverables are available on request.

These analytical results relate only to the sample tested.  
 All data is reported on an 'As Is' basis unless designated as 'Dry Wt'.  
 RL = Reporting Limits  
 QC Data Reported in %, Except BOD in mg/L

# POLLUTION CONTROL SERVICES



## Report of Sample Analysis

| Client Information  | Sample Information   | Laboratory Information  |
|---|--|---|
| <b>Daniel Flores</b><br><b>San Antonio River Authority</b><br><b>100 E. Guenther St</b><br><b>San Antonio, TX 78204</b> | <b>Project Name:</b> Salatillo Major Permit Renewal<br><b>Sample ID:</b> Effluent<br><b>Matrix:</b> Non-Potable Water<br><b>Date/Time Taken:</b> 9/17/2024 07:00 | <b>PCS Sample #:</b> 775088 <b>Page 2 of 5</b><br><b>Date/Time Received:</b> 9/17/2024 10:33<br><b>Report Date:</b> 10/1/2024 |

| Test Description            | Result | Units | RL     | Analysis Date/Time | Method             | Analyst |
|-----------------------------|--------|-------|--------|--------------------|--------------------|---------|
| Ammonia-N (ISE)             | 0.9    | mg/L  | 0.1    | 09/19/2024 12:20   | SM 4500-NH3 D      | BMR     |
| Fluoride_IC                 | 0.36   | mg/L  | 0.20   | 09/18/2024 05:57   | EPA 300.0          | JAS     |
| Kjeldahl-N, Total           | 5      | mg/L  | 1      | 09/23/2024 10:05   | SM 4500-N B/C      | BMR     |
| Alkalinity, Total (@pH 4.5) | 186    | mg/L  | 10     | 09/20/2024 07:10   | SM 2320 B          | LCC     |
| Arsenic/ICP MS              | 0.0005 | mg/L  | 0.0005 | 09/26/2024 09:27   | EPA 200.8          | DJL     |
| Barium/ICP (Total)          | 0.079  | mg/L  | 0.010  | 09/19/2024 14:00   | EPA 200.7 / 6010 B | DJL     |
| Cadmium/ICP (Total)         | <0.001 | mg/L  | 0.001  | 09/19/2024 14:00   | EPA 200.7 / 6010 B | DJL     |
| Chromium/ICP (Total)        | <0.003 | mg/L  | 0.003  | 09/19/2024 14:00   | EPA 200.7 / 6010 B | DJL     |

| Test Description            | Precision | Quality Assurance Summary |     |     |     |     |     |           | Blank |
|-----------------------------|-----------|---------------------------|-----|-----|-----|-----|-----|-----------|-------|
|                             |           | Limit                     | LCL | MS  | MSD | UCL | LCS | LCS Limit |       |
| Ammonia-N (ISE)             | 1         | 10                        | 80  | 100 | 99  | 120 | 88  | 85 - 115  |       |
| Fluoride_IC                 | 1         | 10                        | 87  | 99  | 98  | 105 | 102 | 85 - 115  |       |
| Kjeldahl-N, Total           | 1         | 10                        | 90  | 99  | 100 | 109 | 106 | 85 - 115  | <1    |
| Alkalinity, Total (@pH 4.5) | 1         | 10                        | 95  | 98  | 99  | 107 | 98  | 85 - 115  |       |
| Arsenic/ICP MS              | 3         | 20                        | 70  | 105 | 102 | 130 | 99  | 85 - 115  |       |
| Barium/ICP (Total)          | <1        | 20                        | 75  | 93  | 93  | 125 | 100 | 85 - 115  |       |
| Cadmium/ICP (Total)         | 2         | 20                        | 75  | 100 | 98  | 125 | 100 | 85 - 115  |       |
| Chromium/ICP (Total)        | 1         | 20                        | 75  | 95  | 94  | 125 | 100 | 85 - 115  |       |

**Quality Statement:** All supporting quality data adhered to data quality objectives and test results meet the requirements of NELAP unless otherwise noted as flagged exceptions or in a case narrative attachment. Reports with full quality data deliverables are available on request.

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 All data is reported on an 'As Is' basis unless designated as 'Dry Wt'.  
 RL = Reporting Limits

# POLLUTION CONTROL SERVICES



## Report of Sample Analysis

| Client Information  | Sample Information   | Laboratory Information  |
|---|--|---|
| <b>Daniel Flores</b><br><b>San Antonio River Authority</b><br><b>100 E. Guenther St</b><br><b>San Antonio, TX 78204</b> | <b>Project Name:</b> Salatillo Major Permit Renewal<br><b>Sample ID:</b> Effluent<br><b>Matrix:</b> Non-Potable Water<br><b>Date/Time Taken:</b> 9/17/2024 07:00 | <b>PCS Sample #:</b> 775088 <b>Page 3 of 5</b><br><b>Date/Time Received:</b> 9/17/2024 10:33<br><b>Report Date:</b> 10/1/2024 |

| Test Description      | Flag | Result  | Units | RL     | Analysis Date/Time | Method             | Analyst |
|-----------------------|------|---------|-------|--------|--------------------|--------------------|---------|
| Copper/ICP (Total)    |      | 0.005   | mg/L  | 0.002  | 09/19/2024 14:00   | EPA 200.7 / 6010 B | DJL     |
| Lead/ICP MS           |      | <0.0005 | mg/L  | 0.0005 | 09/26/2024 09:27   | EPA 200.8          | DJL     |
| Aluminum/ICP (Total)  |      | 0.011   | mg/L  | 0.010  | 09/19/2024 15:30   | EPA 200.7 / 6010 B | DJL     |
| Beryllium/ICP (Total) |      | <0.0005 | mg/L  | 0.0005 | 09/19/2024 14:00   | EPA 200.7 / 6010 B | DJL     |
| Trivalent Chromium    |      | <0.003  | mg/L  | N/A    | 09/19/2024 14:00   | Calculation        | DJL     |
| Hexavalent Chrome     | R    | <0.003  | mg/L  | 0.003  | 09/17/2024 16:05   | SM 3500-Cr B       | DJL     |
| Nickel/ICP (Total)    |      | 0.003   | mg/L  | 0.002  | 09/19/2024 14:00   | EPA 200.7 / 6010 B | DJL     |
| Zinc/ICP (Total)      |      | 0.025   | mg/L  | 0.005  | 09/19/2024 14:00   | EPA 200.7 / 6010 B | DJL     |

| Test Description      | Precision | Quality Assurance Summary |     |     |     |     |     |           | Blank |
|-----------------------|-----------|---------------------------|-----|-----|-----|-----|-----|-----------|-------|
|                       |           | Limit                     | LCL | MS  | MSD | UCL | LCS | LCS Limit |       |
| Copper/ICP (Total)    | <1        | 20                        | 75  | 100 | 100 | 125 | 105 | 85 - 115  |       |
| Lead/ICP MS           | 3         | 20                        | 70  | 111 | 108 | 130 | 106 | 85 - 115  |       |
| Aluminum/ICP (Total)  | 10        | 20                        | 75  | 109 | 99  | 125 | 95  | 85 - 115  |       |
| Beryllium/ICP (Total) | 1         | 20                        | 75  | 99  | 98  | 125 | 100 | 85 - 115  |       |
| Trivalent Chromium    | N/A       | N/A                       | N/A |     |     | N/A |     |           |       |
| Hexavalent Chrome     | 2         | 20                        | 75  | *72 | *74 | 125 | 101 | 85 - 115  |       |
| Nickel/ICP (Total)    | 2         | 20                        | 75  | 93  | 91  | 125 | 100 | 85 - 115  |       |
| Zinc/ICP (Total)      | 1         | 20                        | 75  | 97  | 96  | 125 | 105 | 85 - 115  |       |

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\*Approved for release per QA Plan, Exception to Limits - QAM Section 13-4  
 R Spike recovery outside control limits due to matrix effect - LCS within limits

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 RL = Reporting Limits

# POLLUTION CONTROL SERVICES



## Report of Sample Analysis

| Client Information  | Sample Information   | Laboratory Information  |
|---|--|---|
| <b>Daniel Flores</b><br><b>San Antonio River Authority</b><br><b>100 E. Guenther St</b><br><b>San Antonio, TX 78204</b> | <b>Project Name:</b> Salatillo Major Permit Renewal<br><b>Sample ID:</b> Effluent<br><b>Matrix:</b> Non-Potable Water<br><b>Date/Time Taken:</b> 9/17/2024 07:00 | <b>PCS Sample #:</b> 775088 <b>Page 4 of 5</b><br><b>Date/Time Received:</b> 9/17/2024 10:33<br><b>Report Date:</b> 10/1/2024 |

| Test Description      | Result       | Units | RL     | Analysis Date/Time | Method    | Analyst |
|-----------------------|--------------|-------|--------|--------------------|-----------|---------|
| Antimony/ICP MS       | <0.005       | mg/L  | 0.005  | 09/26/2024 09:27   | EPA 200.8 | DJL     |
| Thallium/ICP MS       | <0.0005      | mg/L  | 0.0005 | 09/26/2024 09:27   | EPA 200.8 | DJL     |
| Selenium/ICP MS       | <0.005       | mg/L  | 0.005  | 09/26/2024 09:27   | EPA 200.8 | DJL     |
| Silver/ICP MS         | <0.0005      | mg/L  | 0.0005 | 09/26/2024 09:27   | EPA 200.8 | DJL     |
| Pesticides 617        | See Attached |       |        |                    | DHL       |         |
| 604.1 Hexachlorophene | See Attached |       |        |                    | DHL       |         |
| Semi Volatiles 625    | See Attached |       |        |                    | DHL       |         |
| Pesticides 608        | See Attached |       |        |                    | DHL       |         |

| Test Description      | Precision   | Quality Assurance Summary |     |     |     | UCL | LCS | LCS Limit | Blank |
|-----------------------|---|---------------------------|-----|-----|-----|-----|-----|-----------|-------|
|                       |   | Limit                     | LCL | MS  | MSD |     |     |           |       |
| Antimony/ICP MS       | 4   | 20                        | 70  | 107 | 103 | 130 | 100 | 85 - 115  |       |
| Thallium/ICP MS       | 2   | 20                        | 70  | 106 | 104 | 130 | 100 | 85 - 115  |       |
| Selenium/ICP MS       | 1   | 20                        | 70  | 106 | 104 | 130 | 103 | 85 - 115  |       |
| Silver/ICP MS         | 4   | 20                        | 70  | 98  | 94  | 130 | 102 | 85 - 115  |       |
| Pesticides 617        | See Attached Report for Quality Assurance Information |                           |     |     |     |     |     |           |       |
| 604.1 Hexachlorophene | See Attached Report for Quality Assurance Information |                           |     |     |     |     |     |           |       |
| Semi Volatiles 625    | See Attached Report for Quality Assurance Information |                           |     |     |     |     |     |           |       |
| Pesticides 608        | See Attached Report for Quality Assurance Information |                           |     |     |     |     |     |           |       |

**Quality Statement:** All supporting quality data adhered to data quality objectives and test results meet the requirements of NELAC unless otherwise noted as flagged exceptions or in a case narrative attachment. Reports with full quality data deliverables are available on request.

These analytical results relate only to the sample tested.  
 All data is reported on an 'As Is' basis unless designated as 'Dry Wt'.  
 RL = Reporting Limits

# POLLUTION CONTROL SERVICES



## Report of Sample Analysis

| Client Information  | Sample Information   | Laboratory Information  |
|---|--|---|
| <b>Daniel Flores</b><br><b>San Antonio River Authority</b><br><b>100 E. Guenther St</b><br><b>San Antonio, TX 78204</b> | <b>Project Name:</b> Salatillo Major Permit Renewal<br><b>Sample ID:</b> Effluent<br><b>Matrix:</b> Non-Potable Water<br><b>Date/Time Taken:</b> 9/17/2024 07:00 | <b>PCS Sample #:</b> 775088 <b>Page 5 of 5</b><br><b>Date/Time Received:</b> 9/17/2024 10:33<br><b>Report Date:</b> 10/1/2024 |

| Test Description | Result       | Units | RL | Analysis Date/Time | Method | Analyst |
|------------------|--------------|-------|----|--------------------|--------|---------|
| Pesticides 632   | See Attached |       |    |                    | DHL    |         |
| Pesticide 1657   | See Attached |       |    |                    | DHL    |         |
| Herbicides 615   | See Attached |       |    |                    | SPL    |         |

| Test Description | Quality Assurance Summary                             |       |     |    |     |     |     |           | Blank |
|------------------|---|-------|-----|----|-----|-----|-----|-----------|-------|
|                  | Precision   | Limit | LCL | MS | MSD | UCL | LCS | LCS Limit |       |
| Pesticides 632   | See Attached Report for Quality Assurance Information |       |     |    |     |     |     |           |       |
| Pesticide 1657   | See Attached Report for Quality Assurance Information |       |     |    |     |     |     |           |       |
| Herbicides 615   | See Attached Report for Quality Assurance Information |       |     |    |     |     |     |           |       |


**Quality Statement:** All supporting quality data adhered to data quality objectives and test results meet the requirements of NELAC unless otherwise noted as flagged exceptions or in a case narrative attachment. Reports with full quality data deliverables are available on request.

These analytical results relate only to the sample tested.  
 All data is reported on an 'As Is' basis unless designated as 'Dry Wt'.  
 RL = Reporting Limits

# POLLUTION CONTROL SERVICES



## Report of Sample Analysis

| Client Information  | Sample Information  | Laboratory Information  |
|---|---|---|
| <b>Daniel Flores</b><br><b>San Antonio River Authority</b><br><b>100 E. Guenther St</b><br><b>San Antonio, TX 78204</b> | <b>Project Name:</b> Saltillo Major Permit Renewal<br><b>Sample ID:</b> Effluent<br><b>Matrix:</b> Non-Potable Water<br><b>Date/Time Taken:</b> 9/17/2024 09:45 | <b>PCS Sample #:</b> 775089 <b>Page 1 of 1</b><br><b>Date/Time Received:</b> 9/17/2024 10:33<br><b>Report Date:</b> 10/4/2024<br><b>Approved by:</b> <br>Chuck Wallgren, President |

| Test Description        | Flag | Result       | Units | RL       | Analysis Date/Time | Method       | Analyst |
|-------------------------|------|--------------|-------|----------|--------------------|--------------|---------|
| Oil and Grease (H.E.M.) |      | <5.0         | mg/L  | 5        | 09/23/2024 09:00   | EPA 1664 Rev | EMV     |
| Mercury/CVAFS           |      | <0.000005    | mg/L  | 0.000005 | 10/04/2024 09:39   | EPA 245.7    | DJL     |
| Phenols, Distillable    |      | See Attached |       |          |                    | SPL          |         |
| Cyanide, Amenable       | +    | See Attached |       |          |                    | DHL          |         |
| Volatiles 624           |      | See Attached |       |          |                    | DHL          |         |

| Test Description        | Quality Assurance Summary                             |       |     |     |     |     |     |           |          |
|-------------------------|---|-------|-----|-----|-----|-----|-----|-----------|----------|
|                         | Precision   | Limit | LCL | MS  | MSD | UCL | LCS | LCS Limit | Blank    |
| Oil and Grease (H.E.M.) | 2   | 18    | N/A | N/A | N/A | N/A | 96  | 78 - 114  |          |
| Mercury/CVAFS           | 7   | 20    | 70  | 106 | 98  | 130 | 112 | 70 - 130  | <1.8ng/L |
| Phenols, Distillable    | See Attached Report for Quality Assurance Information |       |     |     |     |     |     |           |          |
| Cyanide, Amenable       | See Attached Report for Quality Assurance Information |       |     |     |     |     |     |           |          |
| Volatiles 624           | See Attached Report for Quality Assurance Information |       |     |     |     |     |     |           |          |

**Quality Statement:** All supporting quality data adhered to data quality objectives and test results meet the requirements of NELAP unless otherwise noted as flagged exceptions or in a case narrative attachment. Reports with full quality data deliverables are available on request.

Subcontract Work - NELAP Certified Lab

These analytical results relate only to the sample tested.  
 All data is reported on an 'As Is' basis unless designated as 'Dry Wt'.  
 RL = Reporting Limits



# POLLUTION CONTROL SERVICES

Chain of Custody Number

**775088**

## MULTIPLE SAMPLE ANALYSIS REQUEST AND CHAIN OF CUSTODY FORM

Stamp 1<sup>st</sup> sample and COC as same number

| CUSTOMER INFORMATION   |                |                |                                   | REPORT INFORMATION  |  |   |        |   |   |  |   |           |         |                     |               |              |   |  |
|--|----------------|----------------|-----------------------------------|---|--|---|--------|---|---|--|---|-----------|---------|---------------------|---------------|--------------|---|--|
| Name: San Antonio River Authority  |                |                |                                   | Attention: Russell Neal                                   |  |   |        |   |   | Phone: (210) 844-0201                  |   |           |         | Fax: (210) 661-9324 |               |              |   |  |
| SAMPLE INFORMATION   |                |                |                                   | Requested Analysis  |  |   |        |   |   |  |   |           |         |                     |               |              |   |  |
| Project Information:<br>Salatrillo - TCEQ Major Permit Renewal<br>Report "Soils" <input type="checkbox"/> As Is <input type="checkbox"/> Dry Wt. |                |                | Collected By: <i>Ernest Muñoz</i> |   |  |   |        |   |   |  |   |           |         |                     |               |              |   |  |
| Client / Field Sample ID   | Collected      |                | Field Chlorine Residual mg/L      | Composite or Grab   | Matrix   | Type  | Number | Preservative  | CBOD, TSS, TDS, SO <sub>4</sub> , Cl, SpCond<br>Hex, TPCr, NQDN, Talc, F <sub>2</sub> | NH <sub>3</sub> N, TKN, TPOAP, Metals* | 604.1 Hex, Herb 615, Pest 1657,<br>698, 617, 632, SVOC 625, | FOG (HEM) | VOC 624 | CN-A                | Phenol (Dist) | Low Level Hg | Instructions/Comments:<br>*Al, Ba, Be, Cd, Cr, Cu, Ni, Zn, SbMS,<br>AsMS, PbMS, SeMS, AgMS, TMS |  |
|  | Date           | Time           |                                   |   | DW-Drinking Water; NPW-Non-potable water; WW-Wastewater; LW-Liquid Waste |   |        |   |   |  |   |           |         |                     |               |              |   |  |
| Effluent   | Start: 9-16-24 | Start: 9:00 AM |                                   | <input checked="" type="checkbox"/> C                     | <input type="checkbox"/> DW <input type="checkbox"/> NPW                 | <input type="checkbox"/> P  | 10     | <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> HNO <sub>3</sub>                               | X   | X                                      | X   |           |         |                     |               |              | PCS Sample Number<br><b>775088</b>  |  |
|  | End: 9-17-24   | End: 7:00 AM   | <input type="checkbox"/> G        | <input type="checkbox"/> WW <input type="checkbox"/> Soil | <input type="checkbox"/> G   | <input type="checkbox"/> H <sub>3</sub> PO <sub>4</sub> <input type="checkbox"/> NaOH |        | <input type="checkbox"/> S <input type="checkbox"/> B <input type="checkbox"/> N <input type="checkbox"/> HEM Other:            |   |  |   |           |         |                     |               |              |   |  |
| Effluent   | Start: 9-17-24 | Start: 9:45 AM |                                   | <input checked="" type="checkbox"/> G                     | <input type="checkbox"/> DW <input type="checkbox"/> NPW                 | <input type="checkbox"/> P  | 10     | <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> HNO <sub>3</sub>                               |   |  |   | X         | X       | X                   | X             | X            | PCS Sample Number<br><b>775089</b>  |  |
|  | End: 9-17-24   | End: 9:45 AM   | <input type="checkbox"/> C        | <input type="checkbox"/> WW <input type="checkbox"/> Soil | <input type="checkbox"/> G   | <input type="checkbox"/> H <sub>3</sub> PO <sub>4</sub> <input type="checkbox"/> NaOH |        | <input type="checkbox"/> S <input type="checkbox"/> B <input type="checkbox"/> N <input type="checkbox"/> HEM Other: <i>not</i> |   |  |   |           |         |                     |               |              |   |  |
|  | Start:         | Start:         |                                   | <input type="checkbox"/> C                                | <input type="checkbox"/> DW <input type="checkbox"/> NPW                 | <input type="checkbox"/> P  |        | <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> HNO <sub>3</sub>                               |   |  |   |           |         |                     |               |              | PCS Sample Number   |  |
|  | End:           | End:           | <input type="checkbox"/> G        | <input type="checkbox"/> WW <input type="checkbox"/> Soil | <input type="checkbox"/> G   | <input type="checkbox"/> H <sub>3</sub> PO <sub>4</sub> <input type="checkbox"/> NaOH |        | <input type="checkbox"/> S <input type="checkbox"/> B <input type="checkbox"/> N <input type="checkbox"/> HEM Other:            |   |  |   |           |         |                     |               |              |   |  |
|  | Start:         | Start:         |                                   | <input type="checkbox"/> C                                | <input type="checkbox"/> DW <input type="checkbox"/> NPW                 | <input type="checkbox"/> P  |        | <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> HNO <sub>3</sub>                               |   |  |   |           |         |                     |               |              | PCS Sample Number   |  |
|  | End:           | End:           | <input type="checkbox"/> G        | <input type="checkbox"/> WW <input type="checkbox"/> Soil | <input type="checkbox"/> G   | <input type="checkbox"/> H <sub>3</sub> PO <sub>4</sub> <input type="checkbox"/> NaOH |        | <input type="checkbox"/> S <input type="checkbox"/> B <input type="checkbox"/> N <input type="checkbox"/> HEM Other:            |   |  |   |           |         |                     |               |              |   |  |
|  | Start:         | Start:         |                                   | <input type="checkbox"/> C                                | <input type="checkbox"/> DW <input type="checkbox"/> NPW                 | <input type="checkbox"/> P  |        | <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> HNO <sub>3</sub>                               |   |  |   |           |         |                     |               |              | PCS Sample Number   |  |
|  | End:           | End:           | <input type="checkbox"/> G        | <input type="checkbox"/> WW <input type="checkbox"/> Soil | <input type="checkbox"/> G   | <input type="checkbox"/> H <sub>3</sub> PO <sub>4</sub> <input type="checkbox"/> NaOH |        | <input type="checkbox"/> S <input type="checkbox"/> B <input type="checkbox"/> N <input type="checkbox"/> HEM Other:            |   |  |   |           |         |                     |               |              |   |  |
|  | Start:         | Start:         |                                   | <input type="checkbox"/> C                                | <input type="checkbox"/> DW <input type="checkbox"/> NPW                 | <input type="checkbox"/> P  |        | <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> HNO <sub>3</sub>                               |   |  |   |           |         |                     |               |              | PCS Sample Number   |  |
|  | End:           | End:           | <input type="checkbox"/> G        | <input type="checkbox"/> WW <input type="checkbox"/> Soil | <input type="checkbox"/> G   | <input type="checkbox"/> H <sub>3</sub> PO <sub>4</sub> <input type="checkbox"/> NaOH |        | <input type="checkbox"/> S <input type="checkbox"/> B <input type="checkbox"/> N <input type="checkbox"/> HEM Other:            |   |  |   |           |         |                     |               |              |   |  |
|  | Start:         | Start:         |                                   | <input type="checkbox"/> C                                | <input type="checkbox"/> DW <input type="checkbox"/> NPW                 | <input type="checkbox"/> P  |        | <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> HNO <sub>3</sub>                               |   |  |   |           |         |                     |               |              | PCS Sample Number   |  |
|  | End:           | End:           | <input type="checkbox"/> G        | <input type="checkbox"/> WW <input type="checkbox"/> Soil | <input type="checkbox"/> G   | <input type="checkbox"/> H <sub>3</sub> PO <sub>4</sub> <input type="checkbox"/> NaOH |        | <input type="checkbox"/> S <input type="checkbox"/> B <input type="checkbox"/> N <input type="checkbox"/> HEM Other:            |   |  |   |           |         |                     |               |              |   |  |
|  | Start:         | Start:         |                                   | <input type="checkbox"/> C                                | <input type="checkbox"/> DW <input type="checkbox"/> NPW                 | <input type="checkbox"/> P  |        | <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> HNO <sub>3</sub>                               |   |  |   |           |         |                     |               |              | PCS Sample Number   |  |
|  | End:           | End:           | <input type="checkbox"/> G        | <input type="checkbox"/> WW <input type="checkbox"/> Soil | <input type="checkbox"/> G   | <input type="checkbox"/> H <sub>3</sub> PO <sub>4</sub> <input type="checkbox"/> NaOH |        | <input type="checkbox"/> S <input type="checkbox"/> B <input type="checkbox"/> N <input type="checkbox"/> HEM Other:            |   |  |   |           |         |                     |               |              |   |  |

Required Turnaround: ☐ Routine (6-10 days) ☐ EXPEDITE: (See Surcharge Schedule) ☐ < 8 Hrs. ☐ < 16 Hrs. ☐ < 24 Hrs. ☐ 5 days ☐ Other: Rush Charges Authorized by:

Sample Archive/Disposal: ☐ Laboratory Standard ☐ Hold for client pick up Container Type: P = Plastic, G = Glass, O = Other Carrier ID:

|                                     |               |                |                                 |               |             |
|-------------------------------------|---------------|----------------|---------------------------------|---------------|-------------|
| Relinquished By: <i>[Signature]</i> | Date: 9-17-24 | Time: 10:33 AM | Received By: <i>[Signature]</i> | Date: 9/17/24 | Time: 10:33 |
| Relinquished By:                    | Date:         | Time:          | Received By:                    | Date:         | Time:       |

Rev. Multiple Sample COC\_20180628

1532 Universal City Blvd., Ste. 100, Universal City, Texas 78148

P (210) 340-0343 or (800) 880-4616 - F (210) 658-7903

Z:\COC\F\Fredericksburg\_City\_of\FredericksburgTCEQPermit

Login at [www.pcslab.net](http://www.pcslab.net)



600 E. Euclid  
San Antonio, TX 78212-4405

## Environmental Sciences Department Laboratory ANALYTICAL REPORT



September 04, 2024

Page 1 of 3

**Customer:** SARA - Salitrillo WWTP  
Daniel Flores  
1280 S. FM 1516  
San Antonio, TX 78263

Fax #:210-661-9324

This analytical report is intended exclusively for the individual or entity to which it is addressed.  
Recipient is not authorized to print or copy this report, except in full without written approval of the laboratory. If you have received this report in error, please notify the San Antonio River Authority.

**Sample Location:** AA07543 Salitrillo Effluent 1522-01 E. coli MPN  
**Sample Number:** AB48733  
**Sample Matrix:** Non Potable Water

**Collection Date/Time:** 09/01/2024 07:15  
**Receipt Date/Time:** 09/01/2024 10:41

### CASE NARRATIVE

This report provides results related only to the referenced sample ID numbers. All samples were received in acceptable condition unless otherwise noted.  
For questions regarding this report, please contact Zachary Jendrusch, Laboratory Supervisor, at (210) 302-3275.

Analysis identified with a "√" complies with NELAP requirements unless otherwise specified in the case narrative .

**No sample and/or analysis comment(s)**

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/4/2024 10:30:35



600 E. Euclid  
San Antonio, TX 78212-4405

Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



September 04, 2024

Page 2 of 3

ANALYTICAL RESULTS

| Analysis        |                                      | NELAP | Result | Units      | Qualifier | Reporting Limit | QC Batch # | Analysis |       | Analyst |
|-----------------|--------------------------------------|-------|--------|------------|-----------|-----------------|------------|----------|-------|---------|
| Analysis Method |                                      |       |        |            |           |                 |            | Date     | Time  |         |
| AB48733-A       | E. coli                              | √     | 4      | MPN/100 mL |           | 1               | 80610      | 9/1/24   | 13:05 | JS/GMM  |
|                 | SM 9223B-2016                        |       |        |            |           |                 |            |          |       |         |
| AB48733-A       | E. Coli Holding Time - IDEXX Collert |       | 5.83   | hours      |           | 0.00            | 80609      | 9/1/24   | 13:05 | JS/GMM  |

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable



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San Antonio, TX 78212-4405

Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



September 04, 2024

Page 3 of 3

QC ANALYTICAL RESULTS

QC Batch Name: E\_COLI\_QUANTITRAY-80610

QC Analyte Name

Initial Blank for E. coli  
Log Range for E. coli

Result

Absent  
0.2246

Units

Qualifier

Lower

---  
0.0

Acceptance Criteria

Target

Absent  
---

Upper

---  
0.5

Nicholas Johnson  
Quality Assurance Specialist I

9/4/2024

Date

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/4/2024 10:30:35



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San Antonio, TX 78212-4405

## Environmental Sciences Department Laboratory ANALYTICAL REPORT



September 04, 2024

Page 1 of 3

**Customer:** SARA - Salitrillo WWTP  
Daniel Flores  
1280 S. FM 1516  
San Antonio, TX 78263

Fax #:210-661-9324

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**Sample Location:** AA07756 Salitrillo Effluent 1522-01 E. coli MPN

**Sample Number:** AB48736

**Sample Matrix:** Non Potable Water

**Collection Date/Time:** 09/02/2024 08:30

**Receipt Date/Time:** 09/02/2024 10:48

### CASE NARRATIVE

This report provides results related only to the referenced sample ID numbers. All samples were received in acceptable condition unless otherwise noted.  
For questions regarding this report, please contact Zachary Jendrusch, Laboratory Supervisor, at (210) 302-3275.

Analysis identified with a "√" complies with NELAP requirements unless otherwise specified in the case narrative .

**No sample and/or analysis comment(s)**

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/4/2024 16:01:22



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San Antonio, TX 78212-4405

Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



September 04, 2024

Page 2 of 3

ANALYTICAL RESULTS

| Analysis        |                                       | NELAP | Result | Units      | Qualifier | Reporting Limit | QC Batch # | Analysis |       | Analyst |
|-----------------|---------------------------------------|-------|--------|------------|-----------|-----------------|------------|----------|-------|---------|
| Analysis Method |                                       |       |        |            |           |                 |            | Date     | Time  |         |
| AB48736-A       | E. coli                               | √     | 1      | MPN/100 mL |           | 1               | 80612      | 9/2/24   | 13:34 | GMM/MSR |
|                 | SM 9223B-2016                         |       |        |            |           |                 |            |          |       |         |
| AB48736-A       | E. Coli Holding Time - IDEXX Colilert |       | 5.07   | hours      |           | 0.00            | 80611      | 9/2/24   | 13:34 | GMM/MSR |

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable





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Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



September 04, 2024

Page 3 of 3

QC ANALYTICAL RESULTS

QC Batch Name: E\_COLI\_QUANTITRAY-80612

QC Analyte Name

Initial Blank for E. coli  
Log Range for E. coli

Result

Absent  
0.0000

Units

Qualifier

Lower

---  
0.0

Acceptance Criteria

Target

Absent  
---

Upper

---  
0.5

Nicholas Johnson  
Quality Assurance Specialist I

9/4/2024

Date

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/4/2024 16:01:22



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San Antonio, TX 78212-4405

## Environmental Sciences Department Laboratory ANALYTICAL REPORT



September 04, 2024

Page 1 of 3

**Customer:** SARA - Salitrillo WWTP  
Daniel Flores  
1280 S. FM 1516  
San Antonio, TX 78263

Fax #:210-661-9324

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**Sample Location:** AA07573 Salitrillo Effluent 1522-01 E. coli MPN  
**Sample Number:** AB48749  
**Sample Matrix:** Non Potable Water

**Collection Date/Time:** 09/03/2024 08:00  
**Receipt Date/Time:** 09/03/2024 13:38

### CASE NARRATIVE

This report provides results related only to the referenced sample ID numbers. All samples were received in acceptable condition unless otherwise noted.  
For questions regarding this report, please contact Zachary Jendrusch, Laboratory Supervisor, at (210) 302-3275.

Analysis identified with a "√" complies with NELAP requirements unless otherwise specified in the case narrative .

**No sample and/or analysis comment(s)**

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/4/2024 16:04:26



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San Antonio, TX 78212-4405

Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



September 04, 2024

Page 2 of 3

ANALYTICAL RESULTS

| Analysis        |                                       | NELAP | Result | Units      | Qualifier | Reporting Limit | QC Batch # | Analysis |       | Analyst |
|-----------------|---------------------------------------|-------|--------|------------|-----------|-----------------|------------|----------|-------|---------|
| Analysis Method |                                       |       |        |            |           |                 |            | Date     | Time  |         |
| AB48749-A       | E. coli                               | √     | 22     | MPN/100 mL |           | 1               | 80614      | 9/3/24   | 15:35 | DAZ/DM  |
|                 | SM 9223B-2016                         |       |        |            |           |                 |            |          |       |         |
| AB48749-A       | E. Coli Holding Time - IDEXX Colilert |       | 7.58   | hours      |           | 0.00            | 80613      | 9/3/24   | 15:35 | DAZ/DM  |

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable



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San Antonio, TX 78212-4405

Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



September 04, 2024

Page 3 of 3

QC ANALYTICAL RESULTS

QC Batch Name: E\_COLI\_QUANTITRAY-80614

QC Analyte Name

Initial Blank for E. coli  
Log Range for E. coli

Result

Absent  
0.0824

Units

Qualifier

Lower

---  
0.0

Acceptance Criteria

Target

Absent  
---

Upper

---  
0.5

Nicholas Johnson  
Quality Assurance Specialist I

9/4/2024

Date

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/4/2024 16:04:26



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San Antonio, TX 78212-4405

## Environmental Sciences Department Laboratory ANALYTICAL REPORT



September 09, 2024

Page 1 of 3

**Customer:** SARA - Salitrillo WWTP  
Daniel Flores  
1280 S. FM 1516  
San Antonio, TX 78263

Fax #:210-661-9324

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**Sample Location:** AA07592 Salitrillo Effluent 1522-01 E. coli MPN

**Sample Number:** AB48778

**Sample Matrix:** Non Potable Water

**Collection Date/Time:** 09/04/2024 08:30

**Receipt Date/Time:** 09/04/2024 13:15

### CASE NARRATIVE

This report provides results related only to the referenced sample ID numbers. All samples were received in acceptable condition unless otherwise noted.  
For questions regarding this report, please contact Zachary Jendrusch, Laboratory Supervisor, at (210) 302-3275.

Analysis identified with a "√" complies with NELAP requirements unless otherwise specified in the case narrative.

No sample and/or analysis comment(s)

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/9/2024 13:08.45



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Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



September 09, 2024

Page 2 of 3

ANALYTICAL RESULTS

| Analysis        |                                       | NELAP | Result | Units      | Qualifier | Reporting Limit | QC Batch # | Analysis |       | Analyst |
|-----------------|---------------------------------------|-------|--------|------------|-----------|-----------------|------------|----------|-------|---------|
| Analysis Method |                                       |       |        |            |           |                 |            | Date     | Time  |         |
| AB48778-A       | E. coli                               | √     | <1     | MPN/100 mL |           | 1               | 80645      | 9/4/24   | 16:26 | AC      |
|                 | SM 9223B-2016                         |       |        |            |           |                 |            |          |       |         |
| AB48778-A       | E. Coli Holding Time - IDEXX Colilert |       | 7.93   | hours      |           | 0.00            | 80644      | 9/4/24   | 16:26 | AC      |

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable





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San Antonio, TX 78212-4405

Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



September 09, 2024

Page 3 of 3

QC ANALYTICAL RESULTS

QC Batch Name: E\_COLI\_QUANTITRAY-80645

QC Analyte Name

Initial Blank for E. coli  
Log Range for E. coli

Result

Absent  
0.0000

Units

Qualifier

Lower

---  
0.0

Acceptance Criteria

Target

Absent  
---

Upper

---  
0.5

Jeanette Hernandez  
Senior Quality Assurance Specialist

9/9/2024

Date

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/9/2024 13:08.45



600 E. Euclid  
San Antonio, TX 78212-4405

## Environmental Sciences Department Laboratory ANALYTICAL REPORT



September 09, 2024

Page 1 of 3

**Customer:** SARA - Salitrillo WWTP  
Daniel Flores  
1280 S. FM 1516  
San Antonio, TX 78263

Fax #:210-661-9324

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**Sample Location:** AA07610 Salitrillo Effluent 1522-01 E. coli MPN  
**Sample Number:** AB48799  
**Sample Matrix:** Non Potable Water

**Collection Date/Time:** 09/05/2024 08:10  
**Receipt Date/Time:** 09/05/2024 13:45

### CASE NARRATIVE

This report provides results related only to the referenced sample ID numbers. All samples were received in acceptable condition unless otherwise noted.  
For questions regarding this report, please contact Zachary Jendrusch, Laboratory Supervisor, at (210) 302-3275.

Analysis identified with a "√" complies with NELAP requirements unless otherwise specified in the case narrative.

**Analysis Comments:** AB48799-A E. coli  
Utility sample greater than 50 MPN/100mL.

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/9/2024 13:11.05



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San Antonio, TX 78212-4405

Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



September 09, 2024

Page 2 of 3

ANALYTICAL RESULTS

| Analysis        |                                       | NELAP | Result | Units      | Qualifier | Reporting Limit | QC Batch # | Analysis |       | Analyst |
|-----------------|---------------------------------------|-------|--------|------------|-----------|-----------------|------------|----------|-------|---------|
| Analysis Method |                                       |       |        |            |           |                 |            | Date     | Time  |         |
| AB48799-A       | E. coli                               | √     | 330    | MPN/100 mL | *A        | 1               | 80655      | 9/5/24   | 15:41 | AG/DM   |
|                 | SM 9223B-2016                         |       |        |            |           |                 |            |          |       |         |
| AB48799-A       | E. Coli Holding Time - IDEXX Colilert |       | 7.52   | hours      |           | 0.00            | 80654      | 9/5/24   | 15:41 | AG/DM   |

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable



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ANALYTICAL REPORT



September 09, 2024

Page 3 of 3

QC ANALYTICAL RESULTS

QC Batch Name: E\_COLI\_QUANTITRAY-80655

Acceptance Criteria

QC Analyte Name

Initial Blank for E. coli

Result

Absent

Units

Qualifier

Lower

---

Target

Absent

Upper

---

Jeanette Hernandez  
Senior Quality Assurance Specialist

9/9/2024

Date

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/9/2024 13:11.05



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## Environmental Sciences Department Laboratory ANALYTICAL REPORT



September 09, 2024

Page 1 of 3

**Customer:** SARA - Salitrillo WWTP  
Daniel Flores  
1280 S. FM 1516  
San Antonio, TX 78263

Fax #:210-661-9324

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**Sample Location:** AA07630 Salitrillo Effluent 1522-01 E. coli MPN  
**Sample Number:** AB48808  
**Sample Matrix:** Non Potable Water

**Collection Date/Time:** 09/06/2024 08:19  
**Receipt Date/Time:** 09/06/2024 13:07

### CASE NARRATIVE

This report provides results related only to the referenced sample ID numbers. All samples were received in acceptable condition unless otherwise noted.  
For questions regarding this report, please contact Zachary Jendrusch, Laboratory Supervisor, at (210) 302-3275.

Analysis identified with a "√" complies with NELAP requirements unless otherwise specified in the case narrative.

No sample and/or analysis comment(s)

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/9/2024 13:14.10



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Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



September 09, 2024

Page 2 of 3

ANALYTICAL RESULTS

| Analysis        |                                       | NELAP | Result | Units      | Qualifier | Reporting Limit | QC Batch # | Analysis |       | Analyst |
|-----------------|---------------------------------------|-------|--------|------------|-----------|-----------------|------------|----------|-------|---------|
| Analysis Method |                                       |       |        |            |           |                 |            | Date     | Time  |         |
| AB48808-A       | E. coli                               | √     | 2      | MPN/100 mL |           | 1               | 80665      | 9/6/24   | 14:15 | AG/DM   |
|                 | SM 9223B-2016                         |       |        |            |           |                 |            |          |       |         |
| AB48808-A       | E. Coli Holding Time - IDEXX Colilert |       | 5.93   | hours      |           | 0.00            | 80664      | 9/6/24   | 14:15 | AG/DM   |

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable





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Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



September 09, 2024

Page 3 of 3

QC ANALYTICAL RESULTS

QC Batch Name: E\_COLI\_QUANTITRAY-80665

Acceptance Criteria

QC Analyte Name

Result

Units

Qualifier

Lower

Target

Upper

Initial Blank for E. coli

Absent

---

Absent

---

Log Range for E. coli

0.3010

0.0

---

0.5

Jeanette Hernandez  
Senior Quality Assurance Specialist

9/9/2024

Date

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/9/2024 13:14.10



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## Environmental Sciences Department Laboratory ANALYTICAL REPORT



September 09, 2024

Page 1 of 3

**Customer:** SARA - Salitrillo WWTP  
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1280 S. FM 1516  
San Antonio, TX 78263

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**Sample Location:** AA07645 Salitrillo Effluent 1522-01 E. coli MPN  
**Sample Number:** AB48817  
**Sample Matrix:** Non Potable Water

**Collection Date/Time:** 09/07/2024 07:08  
**Receipt Date/Time:** 09/07/2024 11:08

### CASE NARRATIVE

This report provides results related only to the referenced sample ID numbers. All samples were received in acceptable condition unless otherwise noted.  
For questions regarding this report, please contact Zachary Jendrusch, Laboratory Supervisor, at (210) 302-3275.

Analysis identified with a "√" complies with NELAP requirements unless otherwise specified in the case narrative .

No sample and/or analysis comment(s)

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/9/2024 13:16.30



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ANALYTICAL REPORT



September 09, 2024

Page 2 of 3

ANALYTICAL RESULTS

| Analysis        |                                      | NELAP | Result | Units      | Qualifier | Reporting Limit | QC Batch # | Analysis |       | Analyst |
|-----------------|--------------------------------------|-------|--------|------------|-----------|-----------------|------------|----------|-------|---------|
| Analysis Method |                                      |       |        |            |           |                 |            | Date     | Time  |         |
| AB48817-A       | E. coli                              | √     | <1     | MPN/100 mL |           | 1               | 80670      | 9/7/24   | 12:55 | DM/MEV  |
|                 | SM 9223B-2016                        |       |        |            |           |                 |            |          |       |         |
| AB48817-A       | E. Coli Holding Time - IDEXX Collert |       | 5.78   | hours      |           | 0.00            | 80669      | 9/7/24   | 12:55 | DM/MEV  |

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable



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ANALYTICAL REPORT



September 09, 2024

Page 3 of 3

QC ANALYTICAL RESULTS

QC Batch Name: E\_COLI\_QUANTITRAY-80670

QC Analyte Name

Initial Blank for E. coli  
Log Range for E. coli

Result

Absent  
0.0000

Units

Qualifier

Lower

---  
0.0

Acceptance Criteria

Target

Absent  
---

Upper

---  
0.5

Jeanette Hernandez  
Senior Quality Assurance Specialist

9/9/2024

Date

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/9/2024 13:16.30



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## Environmental Sciences Department Laboratory ANALYTICAL REPORT



September 10, 2024

Page 1 of 3

**Customer:** SARA - Salitrillo WWTP  
Daniel Flores  
1280 S. FM 1516  
San Antonio, TX 78263

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**Sample Location:** AA07658 Salitrillo Effluent 1522-01 E. coli MPN  
**Sample Number:** AB48820  
**Sample Matrix:** Non Potable Water

**Collection Date/Time:** 09/08/2024 07:45  
**Receipt Date/Time:** 09/08/2024 10:15

### CASE NARRATIVE

This report provides results related only to the referenced sample ID numbers. All samples were received in acceptable condition unless otherwise noted.  
For questions regarding this report, please contact Zachary Jendrusch, Laboratory Supervisor, at (210) 302-3275.

Analysis identified with a "√" complies with NELAP requirements unless otherwise specified in the case narrative.

No sample and/or analysis comment(s)

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/10/2024 14:20.50



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Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



September 10, 2024

Page 2 of 3

ANALYTICAL RESULTS

| Analysis        |                                       | NELAP | Result | Units      | Qualifier | Reporting<br>Limit | QC<br>Batch # | Analysis |       | Analyst |
|-----------------|---------------------------------------|-------|--------|------------|-----------|--------------------|---------------|----------|-------|---------|
| Analysis Method |                                       |       |        |            |           |                    |               | Date     | Time  |         |
| AB48820-A       | E. coli                               | √     | <1     | MPN/100 mL |           | 1                  | 80672         | 9/8/24   | 11:44 | MEV     |
|                 | SM 9223B-2016                         |       |        |            |           |                    |               |          |       |         |
| AB48820-A       | E. Coli Holding Time - IDEXX Colilert |       | 3.98   | hours      |           | 0.00               | 80671         | 9/8/24   | 11:44 | MEV     |

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/10/2024 14:20.50





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ANALYTICAL REPORT



September 10, 2024

Page 3 of 3

QC ANALYTICAL RESULTS

QC Batch Name: E\_COLI\_QUANTITRAY-80672

Acceptance Criteria

QC Analyte Name

Result

Units

Qualifier

Lower

Target

Upper

Initial Blank for E. coli

Absent

---

Absent

---

Log Range for E. coli

0.0000

0.0

---

0.5

Jeanette Hernandez  
Senior Quality Assurance Specialist

9/10/2024

Date

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/10/2024 14:20:50



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## Environmental Sciences Department Laboratory ANALYTICAL REPORT



September 16, 2024

Page 1 of 3

**Customer:** SARA - Salitrillo WWTP  
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**Sample Location:** AA07672 Salitrillo Effluent 1522-01 E. coli MPN  
**Sample Number:** AB48834  
**Sample Matrix:** Non Potable Water

**Collection Date/Time:** 09/09/2024 08:30  
**Receipt Date/Time:** 09/09/2024 13:32

### CASE NARRATIVE

This report provides results related only to the referenced sample ID numbers. All samples were received in acceptable condition unless otherwise noted.  
For questions regarding this report, please contact Zachary Jendrusch, Laboratory Supervisor, at (210) 302-3275.

Analysis identified with a "√" complies with NELAP requirements unless otherwise specified in the case narrative .

No sample and/or analysis comment(s)

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/16/2024 16:38.41



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Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



September 16, 2024

Page 2 of 3

ANALYTICAL RESULTS

| Analysis        |                                       | NELAP | Result | Units      | Qualifier | Reporting Limit | QC Batch # | Analysis |       | Analyst |
|-----------------|---------------------------------------|-------|--------|------------|-----------|-----------------|------------|----------|-------|---------|
| Analysis Method |                                       |       |        |            |           |                 |            | Date     | Time  |         |
| AB48834-A       | E. coli                               | √     | 1      | MPN/100 mL |           | 1               | 80677      | 9/9/24   | 15:34 | JS      |
|                 | SM 9223B-2016                         |       |        |            |           |                 |            |          |       |         |
| AB48834-A       | E. Coli Holding Time - IDEXX Colilert |       | 7.07   | hours      |           | 0.00            | 80676      | 9/9/24   | 15:34 | JS      |

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable



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ANALYTICAL REPORT



September 16, 2024

Page 3 of 3

QC ANALYTICAL RESULTS

QC Batch Name: E\_COLI\_QUANTITRAY-80677

Acceptance Criteria

QC Analyte Name

Result

Units

Qualifier

Lower

Target

Upper

Initial Blank for E. coli

Absent

---

Absent

---

Log Range for E. coli

0.0000

0.0

---

0.5

Jeanette Hernandez  
Senior Quality Assurance Specialist

9/16/2024

Date

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/16/2024 16:38.41



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San Antonio, TX 78212-4405

## Environmental Sciences Department Laboratory ANALYTICAL REPORT



September 20, 2024

Page 1 of 3

**Customer:** SARA - Salitrillo WWTP  
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1280 S. FM 1516  
San Antonio, TX 78263

Fax #:210-661-9324

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**Sample Location:** AA07685 Salitrillo Effluent 1522-01 E. coli MPN  
**Sample Number:** AB48843  
**Sample Matrix:** Non Potable Water

**Collection Date/Time:** 09/10/2024 08:30  
**Receipt Date/Time:** 09/10/2024 13:19

### CASE NARRATIVE

This report provides results related only to the referenced sample ID numbers. All samples were received in acceptable condition unless otherwise noted.  
For questions regarding this report, please contact Zachary Jendrusch, Laboratory Supervisor, at (210) 302-3275.

Analysis identified with a "√" complies with NELAP requirements unless otherwise specified in the case narrative .

No sample and/or analysis comment(s)

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable



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Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



September 20, 2024

Page 2 of 3

ANALYTICAL RESULTS

| Analysis        |                                      | NELAP | Result | Units      | Qualifier | Reporting Limit | QC Batch # | Analysis |       | Analyst |
|-----------------|--------------------------------------|-------|--------|------------|-----------|-----------------|------------|----------|-------|---------|
| Analysis Method |                                      |       |        |            |           |                 |            | Date     | Time  |         |
| AB48843-A       | E. coli                              | √     | <1     | MPN/100 mL |           | 1               | 80683      | 9/10/24  | 16:18 | AG/DAZ  |
|                 | SM 9223B-2016                        |       |        |            |           |                 |            |          |       |         |
| AB48843-A       | E. Coli Holding Time - IDEXX Collert |       | 7.80   | hours      |           | 0.00            | 80682      | 9/10/24  | 16:18 | AG/DAZ  |

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable





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Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



September 20, 2024

Page 3 of 3

QC ANALYTICAL RESULTS

QC Batch Name: E\_COLI\_QUANTITRAY-80683

Acceptance Criteria

QC Analyte Name

Initial Blank for E. coli

Log Range for E. coli

Result

Absent

0.0000

Units

Qualifier

Lower

---

0.0

Target

Absent

---

Upper

---

0.5

Jeanette Hernandez  
Senior Quality Assurance Specialist

9/20/2024

Date

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/20/2024 16:46.58



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## Environmental Sciences Department Laboratory ANALYTICAL REPORT



September 19, 2024

Page 1 of 3

**Customer:** SARA - Salitrillo WWTP  
Daniel Flores  
1280 S. FM 1516  
San Antonio, TX 78263

Fax #:210-661-9324

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**Sample Location:** AA07705 Salitrillo Effluent 1522-01 E. coli MPN

**Sample Number:** AB48860

**Sample Matrix:** Non Potable Water

**Collection Date/Time:** 09/11/2024 08:30

**Receipt Date/Time:** 09/11/2024 13:25

### CASE NARRATIVE

This report provides results related only to the referenced sample ID numbers. All samples were received in acceptable condition unless otherwise noted.  
For questions regarding this report, please contact Zachary Jendrusch, Laboratory Supervisor, at (210) 302-3275.

Analysis identified with a "√" complies with NELAP requirements unless otherwise specified in the case narrative .

**No sample and/or analysis comment(s)**

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/19/2024 15:09:55



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Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



September 19, 2024

Page 2 of 3

ANALYTICAL RESULTS

| Analysis        |                                       | NELAP | Result | Units      | Qualifier | Reporting Limit | QC Batch # | Analysis |       | Analyst |
|-----------------|---------------------------------------|-------|--------|------------|-----------|-----------------|------------|----------|-------|---------|
| Analysis Method |                                       |       |        |            |           |                 |            | Date     | Time  |         |
| AB48860-A       | E. coli                               | √     | 18     | MPN/100 mL |           | 1               | 80690      | 9/11/24  | 15:37 | AG/AM   |
|                 | SM 9223B-2016                         |       |        |            |           |                 |            |          |       |         |
| AB48860-A       | E. Coli Holding Time - IDEXX Colilert |       | 7.12   | hours      |           | 0.00            | 80689      | 9/11/24  | 15:37 | AG/AM   |

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable



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Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



September 19, 2024

Page 3 of 3

QC ANALYTICAL RESULTS

QC Batch Name: E\_COLI\_QUANTITRAY-80690

QC Analyte Name

Initial Blank for E. coli  
Log Range for E. coli

Result

Absent  
0.0753

Units

Qualifier

Lower

---  
0.0

Acceptance Criteria

Target

Absent  
---

Upper

---  
0.5

Nicholas Johnson  
Quality Assurance Specialist I

9/19/2024

Date

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/19/2024 15:09:55



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## Environmental Sciences Department Laboratory ANALYTICAL REPORT



September 20, 2024

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**Customer:** SARA - Salitrillo WWTP  
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**Sample Location:** AA07720 Salitrillo Effluent 1522-01 E. coli MPN

**Sample Number:** AB48881

**Sample Matrix:** Non Potable Water

**Collection Date/Time:** 09/12/2024 11:15

**Receipt Date/Time:** 09/12/2024 13:11

### CASE NARRATIVE

This report provides results related only to the referenced sample ID numbers. All samples were received in acceptable condition unless otherwise noted.  
For questions regarding this report, please contact Zachary Jendrusch, Laboratory Supervisor, at (210) 302-3275.

Analysis identified with a "√" complies with NELAP requirements unless otherwise specified in the case narrative.

**Sample Comments:** A time gap exists between a time of relinquish and a time of receipt. This occurred during sample transport to the laboratory.

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/20/2024 16:50.00



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ANALYTICAL REPORT



September 20, 2024

Page 2 of 3

ANALYTICAL RESULTS

| Analysis        |                                       | NELAP | Result | Units      | Qualifier | Reporting<br>Limit | QC<br>Batch # | Analysis |       | Analyst   |
|-----------------|---------------------------------------|-------|--------|------------|-----------|--------------------|---------------|----------|-------|-----------|
| Analysis Method |                                       |       |        |            |           |                    |               | Date     | Time  |           |
| AB48881-A       | E. coli                               | √     | <1     | MPN/100 mL |           | 1                  | 80700         | 9/12/24  | 15:42 | AM/AG/MSR |
|                 | SM 9223B-2016                         |       |        |            |           |                    |               |          |       |           |
| AB48881-A       | E. Coli Holding Time - IDEXX Colilert |       | 4.45   | hours      |           | 0.00               | 80699         | 9/12/24  | 15:42 | AM/AG/MSR |

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/20/2024 16:50.00



600 E. Euclid  
San Antonio, TX 78212-4405

Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



September 20, 2024

Page 3 of 3

QC ANALYTICAL RESULTS

QC Batch Name: E\_COLI\_QUANTITRAY-80700

Acceptance Criteria

QC Analyte Name  
Initial Blank for E. coli

Result  
Absent

Units

Qualifier

Lower  
---

Target  
Absent

Upper  
---

Jeanette Hernandez  
Senior Quality Assurance Specialist

9/20/2024

Date

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/20/2024 16:50.00





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San Antonio, TX 78212-4405

## Environmental Sciences Department Laboratory ANALYTICAL REPORT



September 20, 2024

Page 1 of 3

**Customer:** SARA - Salitrillo WWTP  
Daniel Flores  
1280 S. FM 1516  
San Antonio, TX 78263

Fax #:210-661-9324

This analytical report is intended exclusively for the individual or entity to which it is addressed.  
Recipient is not authorized to print or copy this report, except in full without written approval of the laboratory. If you have received this report in error, please notify the San Antonio River Authority.

**Sample Location:** AA07739 Salitrillo Effluent 1522-01 E. coli MPN  
**Sample Number:** AB48894  
**Sample Matrix:** Non Potable Water

**Collection Date/Time:** 09/13/2024 10:10  
**Receipt Date/Time:** 09/13/2024 13:29

### CASE NARRATIVE

This report provides results related only to the referenced sample ID numbers. All samples were received in acceptable condition unless otherwise noted.  
For questions regarding this report, please contact Zachary Jendrusch, Laboratory Supervisor, at (210) 302-3275.

Analysis identified with a "√" complies with NELAP requirements unless otherwise specified in the case narrative .

No sample and/or analysis comment(s)

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/20/2024 16:51.32



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Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



September 20, 2024

Page 2 of 3

ANALYTICAL RESULTS

| Analysis        |                                       | NELAP | Result | Units      | Qualifier | Reporting Limit | QC Batch # | Analysis |       | Analyst |
|-----------------|---------------------------------------|-------|--------|------------|-----------|-----------------|------------|----------|-------|---------|
| Analysis Method |                                       |       |        |            |           |                 |            | Date     | Time  |         |
| AB48894-A       | E. coli                               | √     | <1     | MPN/100 mL |           | 1               | 80708      | 9/13/24  | 15:52 | MSR/GMM |
|                 | SM 9223B-2016                         |       |        |            |           |                 |            |          |       |         |
| AB48894-A       | E. Coli Holding Time - IDEXX Colilert |       | 5.70   | hours      |           | 0.00            | 80707      | 9/13/24  | 15:52 | MSR/GMM |

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable



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Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



September 20, 2024

Page 3 of 3

QC ANALYTICAL RESULTS

QC Batch Name: E\_COLI\_QUANTITRAY-80708

Acceptance Criteria

QC Analyte Name

Initial Blank for E. coli  
Log Range for E. coli

Result

Absent  
0.0000

Units

Qualifier

Lower

---  
0.0

Target

Absent  
---

Upper

---  
0.5

Jeanette Hernandez  
Senior Quality Assurance Specialist

9/20/2024

Date

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/20/2024 16:51.32



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## Environmental Sciences Department Laboratory ANALYTICAL REPORT



September 20, 2024

Page 1 of 3

**Customer:** SARA - Salitrillo WWTP  
Daniel Flores  
1280 S. FM 1516  
San Antonio, TX 78263

Fax #:210-661-9324

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**Sample Location:** AA07751 Salitrillo Effluent 1522-01 E. coli MPN  
**Sample Number:** AB48902  
**Sample Matrix:** Non Potable Water

**Collection Date/Time:** 09/14/2024 07:10  
**Receipt Date/Time:** 09/14/2024 09:43

### CASE NARRATIVE

This report provides results related only to the referenced sample ID numbers. All samples were received in acceptable condition unless otherwise noted.  
For questions regarding this report, please contact Zachary Jendrusch, Laboratory Supervisor, at (210) 302-3275.

Analysis identified with a "√" complies with NELAP requirements unless otherwise specified in the case narrative.

No sample and/or analysis comment(s)

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/20/2024 16:56.07



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Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



September 20, 2024

Page 2 of 3

ANALYTICAL RESULTS

| Analysis        |                                       | NELAP | Result | Units      | Qualifier | Reporting Limit | QC Batch # | Analysis |       | Analyst |
|-----------------|---------------------------------------|-------|--------|------------|-----------|-----------------|------------|----------|-------|---------|
| Analysis Method |                                       |       |        |            |           |                 |            | Date     | Time  |         |
| AB48902-A       | E. coli                               | √     | <1     | MPN/100 mL |           | 1               | 80711      | 9/14/24  | 13:34 | GMM/MSR |
|                 | SM 9223B-2016                         |       |        |            |           |                 |            |          |       |         |
| AB48902-A       | E. Coli Holding Time - IDEXX Colilert |       | 6.40   | hours      |           | 0.00            | 80710      | 9/14/24  | 13:34 | GMM/MSR |

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable



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Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



September 20, 2024

Page 3 of 3

QC ANALYTICAL RESULTS

QC Batch Name: E\_COLI\_QUANTITRAY-80711

Acceptance Criteria

QC Analyte Name

Result

Units

Qualifier

Lower

Target

Upper

Initial Blank for E. coli

Absent

---

Absent

---

Log Range for E. coli

0.0000

0.0

---

0.5

Jeanette Hernandez  
Senior Quality Assurance Specialist

9/20/2024

Date

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/20/2024 16:56.07



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San Antonio, TX 78212-4405

## Environmental Sciences Department Laboratory ANALYTICAL REPORT



September 20, 2024

Page 1 of 3

**Customer:** SARA - Salitrillo WWTP  
Daniel Flores  
1280 S. FM 1516  
San Antonio, TX 78263

Fax #:210-661-9324

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**Sample Location:** AA07763 Salitrillo Effluent 1522-01 E. coli MPN  
**Sample Number:** AB48905  
**Sample Matrix:** Non Potable Water

**Collection Date/Time:** 09/15/2024 08:15  
**Receipt Date/Time:** 09/15/2024 10:04

### CASE NARRATIVE

This report provides results related only to the referenced sample ID numbers. All samples were received in acceptable condition unless otherwise noted.  
For questions regarding this report, please contact Zachary Jendrusch, Laboratory Supervisor, at (210) 302-3275.

Analysis identified with a "√" complies with NELAP requirements unless otherwise specified in the case narrative.

No sample and/or analysis comment(s)

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/20/2024 16:58.24





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Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



September 20, 2024

Page 2 of 3

ANALYTICAL RESULTS

| Analysis        |                                       | NELAP | Result | Units      | Qualifier | Reporting Limit | QC Batch # | Analysis |       | Analyst |
|-----------------|---------------------------------------|-------|--------|------------|-----------|-----------------|------------|----------|-------|---------|
| Analysis Method |                                       |       |        |            |           |                 |            | Date     | Time  |         |
| AB48905-A       | E. coli                               | √     | 3      | MPN/100 mL |           | 1               | 80713      | 9/15/24  | 11:42 | MSR/MEV |
|                 | SM 9223B-2016                         |       |        |            |           |                 |            |          |       |         |
| AB48905-A       | E. Coli Holding Time - IDEXX Colilert |       | 3.45   | hours      |           | 0.00            | 80712      | 9/15/24  | 11:42 | MSR/MEV |

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/20/2024 16:58.24



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RIVER AUTHORITY

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Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



September 20, 2024

Page 3 of 3

QC ANALYTICAL RESULTS

QC Batch Name: E\_COLI\_QUANTITRAY-80713

Acceptance Criteria

QC Analyte Name

Result

Units

Qualifier

Lower

Target

Upper

Initial Blank for E. coli

Absent

---

Absent

---

Log Range for E. coli

0.1903

0.0

---

0.5

Jeanette Hernandez  
Senior Quality Assurance Specialist

9/20/2024

Date

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/20/2024 16:58.24



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## Environmental Sciences Department Laboratory ANALYTICAL REPORT



September 20, 2024

Page 1 of 3

**Customer:** SARA - Salitrillo WWTP  
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**Sample Location:** AA07777 Salitrillo Effluent 1522-01 E. coli MPN  
**Sample Number:** AB48909  
**Sample Matrix:** Non Potable Water

**Collection Date/Time:** 09/16/2024 08:20  
**Receipt Date/Time:** 09/16/2024 14:20

### CASE NARRATIVE

This report provides results related only to the referenced sample ID numbers. All samples were received in acceptable condition unless otherwise noted.  
For questions regarding this report, please contact Zachary Jendrusch, Laboratory Supervisor, at (210) 302-3275.

Analysis identified with a "√" complies with NELAP requirements unless otherwise specified in the case narrative .

No sample and/or analysis comment(s)

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/20/2024 17:00.41



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Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



September 20, 2024

Page 2 of 3

ANALYTICAL RESULTS

| Analysis        |                                       | NELAP | Result | Units      | Qualifier | Reporting Limit | QC Batch # | Analysis |       | Analyst |
|-----------------|---------------------------------------|-------|--------|------------|-----------|-----------------|------------|----------|-------|---------|
| Analysis Method |                                       |       |        |            |           |                 |            | Date     | Time  |         |
| AB48909-A       | E. coli                               | √     | <1     | MPN/100 mL |           | 1               | 80729      | 9/16/24  | 15:36 | GMM/JS  |
|                 | SM 9223B-2016                         |       |        |            |           |                 |            |          |       |         |
| AB48909-A       | E. Coli Holding Time - IDEXX Colilert |       | 7.27   | hours      |           | 0.00            | 80728      | 9/16/24  | 15:36 | GMM/JS  |

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable



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Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



September 20, 2024

Page 3 of 3

QC ANALYTICAL RESULTS

QC Batch Name: E\_COLI\_QUANTITRAY-80729

Acceptance Criteria

QC Analyte Name

Initial Blank for E. coli  
Log Range for E. coli

Result

Absent  
0.0000

Units

Qualifier

Lower

---  
0.0

Target

Absent  
---

Upper

---  
0.5

Jeanette Hernandez  
Senior Quality Assurance Specialist

9/20/2024

Date

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/20/2024 17:00.41



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San Antonio, TX 78212-4405

## Environmental Sciences Department Laboratory ANALYTICAL REPORT



September 19, 2024

Page 1 of 3

**Customer:** SARA - Salitrillo WWTP  
Daniel Flores  
1280 S. FM 1516  
San Antonio, TX 78263

Fax #:210-661-9324

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**Sample Location:** AA07791 Salitrillo Effluent 1522-01 E. coli MPN

**Sample Number:** AB48919

**Sample Matrix:** Non Potable Water

**Collection Date/Time:** 09/17/2024 08:30

**Receipt Date/Time:** 09/17/2024 13:37

### CASE NARRATIVE

This report provides results related only to the referenced sample ID numbers. All samples were received in acceptable condition unless otherwise noted.  
For questions regarding this report, please contact Zachary Jendrusch, Laboratory Supervisor, at (210) 302-3275.

Analysis identified with a "√" complies with NELAP requirements unless otherwise specified in the case narrative .

**No sample and/or analysis comment(s)**

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/19/2024 15:13:46



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Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



September 19, 2024

Page 2 of 3

ANALYTICAL RESULTS

| Analysis        |                                       | NELAP | Result | Units      | Qualifier | Reporting Limit | QC Batch # | Analysis |       | Analyst |
|-----------------|---------------------------------------|-------|--------|------------|-----------|-----------------|------------|----------|-------|---------|
| Analysis Method |                                       |       |        |            |           |                 |            | Date     | Time  |         |
| AB48919-A       | E. coli                               | √     | <1     | MPN/100 mL |           | 1               | 80733      | 9/17/24  | 15:27 | JS/DM   |
|                 | SM 9223B-2016                         |       |        |            |           |                 |            |          |       |         |
| AB48919-A       | E. Coli Holding Time - IDEXX Colilert |       | 6.95   | hours      |           | 0.00            | 80732      | 9/17/24  | 15:27 | JS/DM   |

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable





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Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



September 19, 2024

Page 3 of 3

QC ANALYTICAL RESULTS

QC Batch Name: E\_COLI\_QUANTITRAY-80733

QC Analyte Name

Initial Blank for E. coli  
Log Range for E. coli

Result

Absent  
0.0000

Units

Qualifier

Lower

---  
0.0

Acceptance Criteria

Target

Absent  
---

Upper

---  
0.5

Nicholas Johnson  
Quality Assurance Specialist I

9/19/2024

Date

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/19/2024 15:13:46



600 E. Euclid  
San Antonio, TX 78212-4405

## Environmental Sciences Department Laboratory ANALYTICAL REPORT



September 26, 2024

Page 1 of 3

**Customer:** SARA - Salitrillo WWTP  
Daniel Flores  
1280 S. FM 1516  
San Antonio, TX 78263

Fax #:210-661-9324

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**Sample Location:** AA07807 Salitrillo Effluent 1522-01 E. coli MPN

**Sample Number:** AB48947

**Sample Matrix:** Non Potable Water

**Collection Date/Time:** 09/18/2024 08:35

**Receipt Date/Time:** 09/18/2024 13:30

### CASE NARRATIVE

This report provides results related only to the referenced sample ID numbers. All samples were received in acceptable condition unless otherwise noted.  
For questions regarding this report, please contact Zachary Jendrusch, Laboratory Supervisor, at (210) 302-3275.

Analysis identified with a "√" complies with NELAP requirements unless otherwise specified in the case narrative .

**No sample and/or analysis comment(s)**

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/26/2024 13:23:15



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Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



September 26, 2024

Page 2 of 3

ANALYTICAL RESULTS

| Analysis        |                                       | NELAP | Result | Units      | Qualifier | Reporting Limit | QC Batch # | Analysis |       | Analyst   |
|-----------------|---------------------------------------|-------|--------|------------|-----------|-----------------|------------|----------|-------|-----------|
| Analysis Method |                                       |       |        |            |           |                 |            | Date     | Time  |           |
| AB48947-A       | E. coli                               | √     | <1     | MPN/100 mL |           | 1               | 80744      | 9/18/24  | 15:43 | AG/DM/DAZ |
|                 | SM 9223B-2016                         |       |        |            |           |                 |            |          |       |           |
| AB48947-A       | E. Coli Holding Time - IDEXX Colilert |       | 7.13   | hours      |           | 0.00            | 80743      | 9/18/24  | 15:43 | AG/DM/DAZ |

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable



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San Antonio, TX 78212-4405

Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



September 26, 2024

Page 3 of 3

QC ANALYTICAL RESULTS

QC Batch Name: E\_COLI\_QUANTITRAY-80744

QC Analyte Name  
Initial Blank for E. coli

Result  
Absent

Units

Qualifier

Lower  
---

Target  
Absent

Upper  
---

Acceptance Criteria

Nicholas Johnson  
Quality Assurance Specialist I

9/26/2024

Date

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/26/2024 13:23:15



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## Environmental Sciences Department Laboratory ANALYTICAL REPORT



September 26, 2024

Page 1 of 3

**Customer:** SARA - Salitrillo WWTP  
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**Sample Location:** AA07827 Salitrillo Effluent 1522-01 E. coli MPN  
**Sample Number:** AB48958  
**Sample Matrix:** Non Potable Water

**Collection Date/Time:** 09/19/2024 08:30  
**Receipt Date/Time:** 09/19/2024 13:19

### CASE NARRATIVE

This report provides results related only to the referenced sample ID numbers. All samples were received in acceptable condition unless otherwise noted.  
For questions regarding this report, please contact Zachary Jendrusch, Laboratory Supervisor, at (210) 302-3275.

Analysis identified with a "√" complies with NELAP requirements unless otherwise specified in the case narrative .

**No sample and/or analysis comment(s)**

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/26/2024 10:10:14



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ANALYTICAL REPORT



September 26, 2024

Page 2 of 3

ANALYTICAL RESULTS

| Analysis        |                                      | NELAP | Result | Units      | Qualifier | Reporting<br>Limit | QC<br>Batch # | Analysis |       | Analyst |
|-----------------|--------------------------------------|-------|--------|------------|-----------|--------------------|---------------|----------|-------|---------|
| Analysis Method |                                      |       |        |            |           |                    |               | Date     | Time  |         |
| AB48958-A       | E. coli                              | √     | 2      | MPN/100 mL |           | 1                  | 80761         | 9/19/24  | 14:53 | GMM/AM  |
|                 | SM 9223B-2016                        |       |        |            |           |                    |               |          |       |         |
| AB48958-A       | E. Coli Holding Time - IDEXX Collert |       | 6.38   | hours      |           | 0.00               | 80760         | 9/19/24  | 14:53 | GMM/AM  |

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/26/2024 10:10:14



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ANALYTICAL REPORT



September 26, 2024

Page 3 of 3

QC ANALYTICAL RESULTS

QC Batch Name: E\_COLI\_QUANTITRAY-80761

QC Analyte Name

Initial Blank for E. coli  
Log Range for E. coli

Result

Absent  
0.3010

Units

Qualifier

Lower

---  
0.0

Acceptance Criteria

Target

Absent  
---

Upper

---  
0.5

Nicholas Johnson  
Quality Assurance Specialist I

9/26/2024

Date

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/26/2024 10:10:14





600 E. Euclid  
San Antonio, TX 78212-4405

## Environmental Sciences Department Laboratory ANALYTICAL REPORT



September 24, 2024

Page 1 of 3

**Customer:** SARA - Salitrillo WWTP  
Daniel Flores  
1280 S. FM 1516  
San Antonio, TX 78263

Fax #:210-661-9324

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**Sample Location:** AA07842 Salitrillo Effluent 1522-01 E. coli MPN  
**Sample Number:** AB48972  
**Sample Matrix:** Non Potable Water

**Collection Date/Time:** 09/20/2024 08:30  
**Receipt Date/Time:** 09/20/2024 13:34

### CASE NARRATIVE

This report provides results related only to the referenced sample ID numbers. All samples were received in acceptable condition unless otherwise noted.  
For questions regarding this report, please contact Zachary Jendrusch, Laboratory Supervisor, at (210) 302-3275.

Analysis identified with a "√" complies with NELAP requirements unless otherwise specified in the case narrative.

No sample and/or analysis comment(s)

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/24/2024 15:37.03



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San Antonio, TX 78212-4405

Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



September 24, 2024

Page 2 of 3

ANALYTICAL RESULTS

| Analysis        |                                       | NELAP | Result | Units      | Qualifier | Reporting Limit | QC Batch # | Analysis |       | Analyst |
|-----------------|---------------------------------------|-------|--------|------------|-----------|-----------------|------------|----------|-------|---------|
| Analysis Method |                                       |       |        |            |           |                 |            | Date     | Time  |         |
| AB48972-A       | E. coli                               | √     | 2      | MPN/100 mL |           | 1               | 80773      | 9/20/24  | 14:58 | DAZ/AM  |
|                 | SM 9223B-2016                         |       |        |            |           |                 |            |          |       |         |
| AB48972-A       | E. Coli Holding Time - IDEXX Colilert |       | 6.47   | hours      |           | 0.00            | 80772      | 9/20/24  | 14:58 | DAZ/AM  |

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable



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Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



September 24, 2024

Page 3 of 3

QC ANALYTICAL RESULTS

QC Batch Name: E\_COLI\_QUANTITRAY-80773

QC Analyte Name

Initial Blank for E. coli  
Log Range for E. coli

Result

Absent  
0.3010

Units

Qualifier

Lower

---  
0.0

Acceptance Criteria

Target

Absent  
---

Upper

---  
0.5

Jeanette Hernandez  
Senior Quality Assurance Specialist

9/24/2024

Date

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/24/2024 15:37.03



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## Environmental Sciences Department Laboratory ANALYTICAL REPORT



September 30, 2024

Page 1 of 3

**Customer:** SARA - Salitrillo WWTP  
Daniel Flores  
1280 S. FM 1516  
San Antonio, TX 78263

Fax #:210-661-9324

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**Sample Location:** AA07853 Salitrillo Effluent 1522-01 E. coli MPN

**Sample Number:** AB48981

**Sample Matrix:** Non Potable Water

**Collection Date/Time:** 09/21/2024 09:05

**Receipt Date/Time:** 09/21/2024 10:35

### CASE NARRATIVE

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For questions regarding this report, please contact Zachary Jendrusch, Laboratory Supervisor, at (210) 302-3275.

Analysis identified with a "√" complies with NELAP requirements unless otherwise specified in the case narrative .

No sample and/or analysis comment(s)

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/30/2024 15:51.25



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Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



September 30, 2024

Page 2 of 3

ANALYTICAL RESULTS

| Analysis        |                                       | NELAP | Result | Units      | Qualifier | Reporting Limit | QC Batch # | Analysis |       | Analyst |
|-----------------|---------------------------------------|-------|--------|------------|-----------|-----------------|------------|----------|-------|---------|
| Analysis Method |                                       |       |        |            |           |                 |            | Date     | Time  |         |
| AB48981-A       | E. coli                               | √     | 1      | MPN/100 mL |           | 1               | 80775      | 9/21/24  | 14:19 | AG/AM   |
|                 | SM 9223B-2016                         |       |        |            |           |                 |            |          |       |         |
| AB48981-A       | E. Coli Holding Time - IDEXX Colilert |       | 5.23   | hours      |           | 0.00            | 80774      | 9/21/24  | 14:19 | AG/AM   |

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable



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Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



September 30, 2024

Page 3 of 3

QC ANALYTICAL RESULTS

QC Batch Name: E\_COLI\_QUANTITRAY-80775

Acceptance Criteria

QC Analyte Name

Result

Units

Qualifier

Lower

Target

Upper

Initial Blank for E. coli

Absent

---

Absent

---

Log Range for E. coli

0.0000

0.0

---

0.5

Jeanette Hernandez  
Senior Quality Assurance Specialist

9/30/2024

Date

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/30/2024 15:51.25



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## Environmental Sciences Department Laboratory ANALYTICAL REPORT



September 30, 2024

Page 1 of 3

**Customer:** SARA - Salitrillo WWTP  
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**Sample Location:** AA07866 Salitrillo Effluent 1522-01 E. coli MPN  
**Sample Number:** AB48984  
**Sample Matrix:** Non Potable Water

**Collection Date/Time:** 09/22/2024 07:45  
**Receipt Date/Time:** 09/22/2024 09:58

### CASE NARRATIVE

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For questions regarding this report, please contact Zachary Jendrusch, Laboratory Supervisor, at (210) 302-3275.

Analysis identified with a "√" complies with NELAP requirements unless otherwise specified in the case narrative .

No sample and/or analysis comment(s)

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/30/2024 15:53.43





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Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



September 30, 2024

Page 2 of 3

ANALYTICAL RESULTS

| Analysis        |                                       | NELAP | Result | Units      | Qualifier | Reporting Limit | QC Batch # | Analysis |       | Analyst |
|-----------------|---------------------------------------|-------|--------|------------|-----------|-----------------|------------|----------|-------|---------|
| Analysis Method |                                       |       |        |            |           |                 |            | Date     | Time  |         |
| AB48984-A       | E. coli                               | √     | <1     | MPN/100 mL |           | 1               | 80777      | 9/22/24  | 14:07 | AG/DM   |
|                 | SM 9223B-2016                         |       |        |            |           |                 |            |          |       |         |
| AB48984-A       | E. Coli Holding Time - IDEXX Colilert |       | 6.37   | hours      |           | 0.00            | 80776      | 9/22/24  | 14:07 | AG/DM   |

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable



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ANALYTICAL REPORT



September 30, 2024

Page 3 of 3

QC ANALYTICAL RESULTS

QC Batch Name: E\_COLI\_QUANTITRAY-80777

QC Analyte Name

Initial Blank for E. coli  
Log Range for E. coli

Result

Absent  
0.0000

Units

Qualifier

Lower

---  
0.0

Acceptance Criteria

Target

Absent  
---

Upper

---  
0.5

Jeanette Hernandez  
Senior Quality Assurance Specialist

9/30/2024

Date

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/30/2024 15:53.43



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## Environmental Sciences Department Laboratory ANALYTICAL REPORT



September 30, 2024

Page 1 of 3

**Customer:** SARA - Salitrillo WWTP  
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**Sample Location:** AA07880 Salitrillo Effluent 1522-01 E. coli MPN

**Sample Number:** AB48988

**Sample Matrix:** Non Potable Water

**Collection Date/Time:** 09/23/2024 08:25

**Receipt Date/Time:** 09/23/2024 13:03

### CASE NARRATIVE

This report provides results related only to the referenced sample ID numbers. All samples were received in acceptable condition unless otherwise noted.  
For questions regarding this report, please contact Zachary Jendrusch, Laboratory Supervisor, at (210) 302-3275.

Analysis identified with a "√" complies with NELAP requirements unless otherwise specified in the case narrative.

No sample and/or analysis comment(s)

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/30/2024 15:56.00



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Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



September 30, 2024

Page 2 of 3

ANALYTICAL RESULTS

| Analysis        |                                       | NELAP | Result | Units      | Qualifier | Reporting Limit | QC Batch # | Analysis |       | Analyst  |
|-----------------|---------------------------------------|-------|--------|------------|-----------|-----------------|------------|----------|-------|----------|
| Analysis Method |                                       |       |        |            |           |                 |            | Date     | Time  |          |
| AB48988-A       | E. coli                               | √     | <1     | MPN/100 mL |           | 1               | 80779      | 9/23/24  | 14:58 | DM/AG/AC |
|                 | SM 9223B-2016                         |       |        |            |           |                 |            |          |       |          |
| AB48988-A       | E. Coli Holding Time - IDEXX Colilert |       | 6.55   | hours      |           | 0.00            | 80778      | 9/23/24  | 14:58 | DM/AG/AC |

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable



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Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



September 30, 2024

Page 3 of 3

QC ANALYTICAL RESULTS

QC Batch Name: E\_COLI\_QUANTITRAY-80779

Acceptance Criteria

QC Analyte Name  
Initial Blank for E. coli

Result  
Absent

Units

Qualifier

Lower  
---

Target  
Absent

Upper  
---

Jeanette Hernandez  
Senior Quality Assurance Specialist

9/30/2024

Date

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/30/2024 15:56.00



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San Antonio, TX 78212-4405

## Environmental Sciences Department Laboratory ANALYTICAL REPORT



September 30, 2024

Page 1 of 3

**Customer:** SARA - Salitrillo WWTP  
Daniel Flores  
1280 S. FM 1516  
San Antonio, TX 78263

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**Sample Location:** AA07894 Salitrillo Effluent 1522-01 E. coli MPN  
**Sample Number:** AB49011  
**Sample Matrix:** Non Potable Water

**Collection Date/Time:** 09/24/2024 08:25  
**Receipt Date/Time:** 09/24/2024 13:09

### CASE NARRATIVE

This report provides results related only to the referenced sample ID numbers. All samples were received in acceptable condition unless otherwise noted.  
For questions regarding this report, please contact Zachary Jendrusch, Laboratory Supervisor, at (210) 302-3275.

Analysis identified with a "√" complies with NELAP requirements unless otherwise specified in the case narrative .

No sample and/or analysis comment(s)

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/30/2024 15:59.49



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San Antonio, TX 78212-4405

Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



September 30, 2024

Page 2 of 3

ANALYTICAL RESULTS

| Analysis        |                                      | NELAP | Result | Units      | Qualifier | Reporting Limit | QC Batch # | Analysis |       | Analyst |
|-----------------|--------------------------------------|-------|--------|------------|-----------|-----------------|------------|----------|-------|---------|
| Analysis Method |                                      |       |        |            |           |                 |            | Date     | Time  |         |
| AB49011-A       | E. coli                              | √     | <1     | MPN/100 mL |           | 1               | 80787      | 9/24/24  | 14:49 | AC      |
|                 | SM 9223B-2016                        |       |        |            |           |                 |            |          |       |         |
| AB49011-A       | E. Coli Holding Time - IDEXX Collert |       | 6.40   | hours      |           | 0.00            | 80786      | 9/24/24  | 14:49 | AC      |

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable





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Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



September 30, 2024

Page 3 of 3

QC ANALYTICAL RESULTS

QC Batch Name: E\_COLI\_QUANTITRAY-80787

Acceptance Criteria

QC Analyte Name  
Initial Blank for E. coli

Result  
Absent

Units

Qualifier

Lower  
---

Target  
Absent

Upper  
---

Jeanette Hernandez  
Senior Quality Assurance Specialist

9/30/2024

Date

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 9/30/2024 15:59.49



600 E. Euclid  
San Antonio, TX 78212-4405

## Environmental Sciences Department Laboratory ANALYTICAL REPORT



October 04, 2024

Page 1 of 3

**Customer:** SARA - Salitrillo WWTP  
Daniel Flores  
1280 S. FM 1516  
San Antonio, TX 78263

Fax #:210-661-9324

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**Sample Location:** AA07913 Salitrillo Effluent 1522-01 E. coli MPN  
**Sample Number:** AB49030  
**Sample Matrix:** Non Potable Water

**Collection Date/Time:** 09/25/2024 08:30  
**Receipt Date/Time:** 09/25/2024 13:19

### CASE NARRATIVE

This report provides results related only to the referenced sample ID numbers. All samples were received in acceptable condition unless otherwise noted.  
For questions regarding this report, please contact Zachary Jendrusch, Laboratory Supervisor, at (210) 302-3275.

Analysis identified with a "✓" complies with NELAP requirements unless otherwise specified in the case narrative.

No sample and/or analysis comment(s)

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 10/4/2024 13:16:20



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San Antonio, TX 78212-4405

Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



October 04, 2024

Page 2 of 3

ANALYTICAL RESULTS

| Analysis        |                                       | NELAP | Result | Units      | Qualifier | Reporting Limit | QC Batch # | Analysis |       | Analyst |
|-----------------|---------------------------------------|-------|--------|------------|-----------|-----------------|------------|----------|-------|---------|
| Analysis Method |                                       |       |        |            |           |                 |            | Date     | Time  |         |
| AB49030-A       | E. coli                               | √     | <1     | MPN/100 mL |           | 1               | 80828      | 9/25/24  | 15:45 | AC/JS   |
|                 | SM 9223B-2016                         |       |        |            |           |                 |            |          |       |         |
| AB49030-A       | E. Coli Holding Time - IDEXX Colilert |       | 7.25   | hours      |           | 0.00            | 80827      | 9/25/24  | 15:45 | AC/JS   |

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 10/4/2024 13:16:20



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San Antonio, TX 78212-4405

Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



October 04, 2024

Page 3 of 3

QC ANALYTICAL RESULTS

QC Batch Name: E\_COLI\_QUANTITRAY-80828

QC Analyte Name

Initial Blank for E. coli  
Log Range for E. coli

Result

Absent  
0.0000

Units

Qualifier

Lower

---  
0.0

Acceptance Criteria

Target

Absent  
---

Upper

---  
0.5

Patricia M. Carvajal  
Quality Assurance Supervisor

10/4/2024

Date

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 10/4/2024 13:16:20



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San Antonio, TX 78212-4405

## Environmental Sciences Department Laboratory ANALYTICAL REPORT



October 04, 2024

Page 1 of 3

**Customer:** SARA - Salitrillo WWTP  
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Fax #:210-661-9324

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**Sample Location:** AA07929 Salitrillo Effluent 1522-01 E. coli MPN  
**Sample Number:** AB49058  
**Sample Matrix:** Non Potable Water

**Collection Date/Time:** 09/26/2024 09:10  
**Receipt Date/Time:** 09/26/2024 13:29

### CASE NARRATIVE

This report provides results related only to the referenced sample ID numbers. All samples were received in acceptable condition unless otherwise noted.  
For questions regarding this report, please contact Zachary Jendrusch, Laboratory Supervisor, at (210) 302-3275.

Analysis identified with a "✓" complies with NELAP requirements unless otherwise specified in the case narrative.

No sample and/or analysis comment(s)

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 10/4/2024 13:19:25



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Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



October 04, 2024

Page 2 of 3

ANALYTICAL RESULTS

| Analysis        |                                       | NELAP | Result | Units      | Qualifier | Reporting Limit | QC Batch # | Analysis |       | Analyst |
|-----------------|---------------------------------------|-------|--------|------------|-----------|-----------------|------------|----------|-------|---------|
| Analysis Method |                                       |       |        |            |           |                 |            | Date     | Time  |         |
| AB49058-A       | E. coli                               | √     | <1     | MPN/100 mL |           | 1               | 80843      | 9/26/24  | 15:30 | JS/GMM  |
|                 | SM 9223B-2016                         |       |        |            |           |                 |            |          |       |         |
| AB49058-A       | E. Coli Holding Time - IDEXX Colilert |       | 6.33   | hours      |           | 0.00            | 80842      | 9/26/24  | 15:30 | JS/GMM  |

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable



600 E. Euclid  
San Antonio, TX 78212-4405

Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



October 04, 2024

Page 3 of 3

QC ANALYTICAL RESULTS

QC Batch Name: E\_COLI\_QUANTITRAY-80843

QC Analyte Name

Initial Blank for E. coli

Log Range for E. coli

Result

Absent

0.0000

Units

Qualifier

Lower

---

0.0

Acceptance Criteria

Target

Absent

---

Upper

---

0.5

Patricia M. Carvajal  
Quality Assurance Supervisor

10/4/2024

Date

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 10/4/2024 13:19:25





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## Environmental Sciences Department Laboratory ANALYTICAL REPORT



October 04, 2024

Page 1 of 3

**Customer:** SARA - Salitrillo WWTP  
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**Sample Location:** AA07947 Salitrillo Effluent 1522-01 E. coli MPN  
**Sample Number:** AB49075  
**Sample Matrix:** Non Potable Water

**Collection Date/Time:** 09/27/2024 09:15  
**Receipt Date/Time:** 09/27/2024 13:23

### QC Analysis Comments:

**E\_COLI\_QUANTITRAY-80854**

**Log Range for E. coli**

Log range specifications not applicable to sample results less than or equal to 10 MPN/100 mL.

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 10/4/2024 13:22:30



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ANALYTICAL REPORT



October 04, 2024

Page 2 of 3

ANALYTICAL RESULTS

| Analysis        |                                      | NELAP | Result | Units      | Qualifier | Reporting Limit | QC Batch # | Analysis |       | Analyst |
|-----------------|--------------------------------------|-------|--------|------------|-----------|-----------------|------------|----------|-------|---------|
| Analysis Method |                                      |       |        |            |           |                 |            | Date     | Time  |         |
| AB49075-A       | E. coli                              | √     | 4      | MPN/100 mL |           | 1               | 80854      | 9/27/24  | 15:16 | GMM/DAZ |
|                 | SM 9223B-2016                        |       |        |            |           |                 |            |          |       |         |
| AB49075-A       | E. Coli Holding Time - IDEXX Collert |       | 6.02   | hours      |           | 0.00            | 80853      | 9/27/24  | 15:16 | GMM/DAZ |

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 10/4/2024 13:22:30



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Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



October 04, 2024

Page 3 of 3

QC ANALYTICAL RESULTS

QC Batch Name: E\_COLI\_QUANTITRAY-80854

QC Analyte Name

Initial Blank for E. coli  
Log Range for E. coli

Result

Absent  
0.8751

Units

Qualifier

\*A

Lower

---  
0.0

Acceptance Criteria

Target

Absent  
---

Upper

---  
0.5

Patricia M. Carvajal  
Quality Assurance Supervisor

10/4/2024

Date

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 10/4/2024 13:22:30



600 E. Euclid  
San Antonio, TX 78212-4405

## Environmental Sciences Department Laboratory ANALYTICAL REPORT



October 04, 2024

Page 1 of 3

**Customer:** SARA - Salitrillo WWTP  
Daniel Flores  
1280 S. FM 1516  
San Antonio, TX 78263

Fax #:210-661-9324

This analytical report is intended exclusively for the individual or entity to which it is addressed.  
Recipient is not authorized to print or copy this report, except in full without written approval of the laboratory. If you have received this report in error, please notify the San Antonio River Authority.

**Sample Location:** AA07960 Salitrillo Effluent 1522-01 E. coli MPN  
**Sample Number:** AB49085  
**Sample Matrix:** Non Potable Water

**Collection Date/Time:** 09/28/2024 07:40  
**Receipt Date/Time:** 09/28/2024 10:41

### CASE NARRATIVE

This report provides results related only to the referenced sample ID numbers. All samples were received in acceptable condition unless otherwise noted.  
For questions regarding this report, please contact Zachary Jendrusch, Laboratory Supervisor, at (210) 302-3275.

Analysis identified with a "✓" complies with NELAP requirements unless otherwise specified in the case narrative.

No sample and/or analysis comment(s)

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 10/4/2024 13:26:19



600 E. Euclid  
San Antonio, TX 78212-4405

Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



October 04, 2024

Page 2 of 3

ANALYTICAL RESULTS

| Analysis        |                                      | NELAP | Result | Units      | Qualifier | Reporting Limit | QC Batch # | Analysis |       | Analyst |
|-----------------|--------------------------------------|-------|--------|------------|-----------|-----------------|------------|----------|-------|---------|
| Analysis Method |                                      |       |        |            |           |                 |            | Date     | Time  |         |
| AB49085-A       | E. coli                              | √     | <1     | MPN/100 mL |           | 1               | 80858      | 9/28/24  | 14:44 | DAZJS   |
|                 | SM 9223B-2016                        |       |        |            |           |                 |            |          |       |         |
| AB49085-A       | E. Coli Holding Time - IDEXX Collert |       | 7.07   | hours      |           | 0.00            | 80857      | 9/28/24  | 14:44 | DAZJS   |

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable



600 E. Euclid  
San Antonio, TX 78212-4405

Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



October 04, 2024

Page 3 of 3

QC ANALYTICAL RESULTS

QC Batch Name: E\_COLI\_QUANTITRAY-80858

QC Analyte Name

Initial Blank for E. coli  
Log Range for E. coli

Result

Absent  
0.0000

Units

Qualifier

Lower

---  
0.0

Acceptance Criteria

Target

Absent  
---

Upper

---  
0.5

Patricia M. Carvajal  
Quality Assurance Supervisor

10/4/2024

Date

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 10/4/2024 13:26:19



600 E. Euclid  
San Antonio, TX 78212-4405

## Environmental Sciences Department Laboratory ANALYTICAL REPORT



October 04, 2024

Page 1 of 3

**Customer:** SARA - Salitrillo WWTP  
Daniel Flores  
1280 S. FM 1516  
San Antonio, TX 78263

Fax #:210-661-9324

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**Sample Location:** AA07972 Salitrillo Effluent 1522-01 E. coli MPN  
**Sample Number:** AB49089  
**Sample Matrix:** Non Potable Water

**Collection Date/Time:** 09/29/2024 07:30  
**Receipt Date/Time:** 09/29/2024 11:03

### CASE NARRATIVE

This report provides results related only to the referenced sample ID numbers. All samples were received in acceptable condition unless otherwise noted.  
For questions regarding this report, please contact Zachary Jendrusch, Laboratory Supervisor, at (210) 302-3275.

Analysis identified with a "✓" complies with NELAP requirements unless otherwise specified in the case narrative.

No sample and/or analysis comment(s)

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 10/4/2024 13:29:22





600 E. Euclid  
San Antonio, TX 78212-4405

Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



October 04, 2024

Page 2 of 3

ANALYTICAL RESULTS

| Analysis        |                                      | NELAP | Result | Units      | Qualifier | Reporting Limit | QC Batch # | Analysis |       | Analyst |
|-----------------|--------------------------------------|-------|--------|------------|-----------|-----------------|------------|----------|-------|---------|
| Analysis Method |                                      |       |        |            |           |                 |            | Date     | Time  |         |
| AB49089-A       | E. coli                              | √     | <1     | MPN/100 mL |           | 1               | 80860      | 9/29/24  | 13:05 | JS/AC   |
|                 | SM 9223B-2016                        |       |        |            |           |                 |            |          |       |         |
| AB49089-A       | E. Coli Holding Time - IDEXX Collert |       | 5.58   | hours      |           | 0.00            | 80859      | 9/29/24  | 13:05 | JS/AC   |

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable



600 E. Euclid  
San Antonio, TX 78212-4405

Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



October 04, 2024

Page 3 of 3

QC ANALYTICAL RESULTS

QC Batch Name: E\_COLI\_QUANTITRAY-80860

QC Analyte Name

Initial Blank for E. coli

Log Range for E. coli

Result

Absent

0.0000

Units

Qualifier

Lower

---

0.0

Acceptance Criteria

Target

Absent

---

Upper

---

0.5

Patricia M. Carvajal  
Quality Assurance Supervisor

10/4/2024

Date

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 10/4/2024 13:29:22



600 E. Euclid  
San Antonio, TX 78212-4405

## Environmental Sciences Department Laboratory ANALYTICAL REPORT



October 08, 2024

Page 1 of 3

**Customer:** SARA - Salitrillo WWTP  
Daniel Flores  
1280 S. FM 1516  
San Antonio, TX 78263

Fax #:210-661-9324

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**Sample Location:** AA07987 Salitrillo Effluent 1522-01 E. coli MPN  
**Sample Number:** AB49096  
**Sample Matrix:** Non Potable Water

**Collection Date/Time:** 09/30/2024 08:25  
**Receipt Date/Time:** 09/30/2024 13:21

### CASE NARRATIVE

This report provides results related only to the referenced sample ID numbers. All samples were received in acceptable condition unless otherwise noted.  
For questions regarding this report, please contact Zachary Jendrusch, Laboratory Supervisor, at (210) 302-3275.

Analysis identified with a "√" complies with NELAP requirements unless otherwise specified in the case narrative.

No sample and/or analysis comment(s)

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 10/8/2024 16:54.29



600 E. Euclid  
San Antonio, TX 78212-4405

Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



October 08, 2024

Page 2 of 3

ANALYTICAL RESULTS

| Analysis        |                                      | NELAP | Result | Units      | Qualifier | Reporting Limit | QC Batch # | Analysis |       | Analyst |
|-----------------|--------------------------------------|-------|--------|------------|-----------|-----------------|------------|----------|-------|---------|
| Analysis Method |                                      |       |        |            |           |                 |            | Date     | Time  |         |
| AB49096-A       | E. coli                              | √     | <1     | MPN/100 mL |           | 1               | 80862      | 9/30/24  | 14:42 | DM/AC   |
|                 | SM 9223B-2016                        |       |        |            |           |                 |            |          |       |         |
| AB49096-A       | E. Coli Holding Time - IDEXX Collert |       | 6.28   | hours      |           | 0.00            | 80861      | 9/30/24  | 14:42 | DM/AC   |

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable



600 E. Euclid  
San Antonio, TX 78212-4405

Environmental Sciences Department Laboratory  
ANALYTICAL REPORT



October 08, 2024

Page 3 of 3

QC ANALYTICAL RESULTS

QC Batch Name: E\_COLI\_QUANTITRAY-80862

Acceptance Criteria

QC Analyte Name  
Initial Blank for E. coli

Result  
Absent

Units

Qualifier

Lower  
---

Target  
Absent

Upper  
---

Jeanette Hernandez  
Senior Quality Assurance Specialist

10/8/2024

Date

A - Outside upper acceptance criteria  
D - Outside lower acceptance criteria  
T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded  
J - Analyte detected outside quantitation limit

\* - See Case Narrative  
--- - Not Applicable

The data in this report is current as of: 10/8/2024 16:54.29

| SALITRILLO WWTP |                          |      |      |     |     |                   |     |          |      |     |           |      |                   |           |         |         |      |
|-----------------|--------------------------|------|------|-----|-----|-------------------|-----|----------|------|-----|-----------|------|-------------------|-----------|---------|---------|------|
| Sep-24          | METERED EFF. FLOW M.G.D. | RAW  |      |     |     |                   |     | EFFLUENT |      |     |           |      |                   | TEST TIME |         | INT     |      |
|                 |                          | D.O. | TEMP | pH  | NH3 | CBOD <sub>5</sub> | TSS | D.O.     | TEMP | pH  | Turbidity | NH3  | CBOD <sub>5</sub> | TSS       | pH      |         | D.O. |
| 1               | 4,242,807                |      |      |     |     |                   |     |          |      |     | 1.10      |      |                   |           |         |         | DE   |
| 2               | 4,717,373                |      |      |     |     |                   |     | 6.98     | 29.5 | 8.2 | 1.18      |      |                   |           | 8:33 AM | 8:15 AM | JM   |
| 3               | 7,733,417                | 4.48 | 28.9 | 7.8 |     |                   |     | 6.10     | 29.0 | 7.7 | 1.49      |      |                   |           | 7:01 AM | 8:26 AM | DE   |
| 4               | 5,658,986                | 4.23 | 29.0 | 7.7 |     |                   |     | 6.54     | 28.5 | 7.7 | 1.28      |      |                   |           | 7:01 AM | 8:20 AM | DE   |
| 5               | 5,147,196                | 3.93 | 29.0 | 7.6 |     |                   |     | 6.34     | 28.3 | 7.5 | 1.24      |      |                   |           | 7:32 AM | 7:21 AM | AZ   |
| 6               | 4,752,632                | 3.74 | 28.6 | 7.8 |     |                   |     | 6.38     | 28.3 | 7.6 | 1.01      |      |                   |           | 6:52 AM | 7:16 AM | AZ   |
| 7               | 4,666,208                |      |      |     |     |                   |     |          |      |     | 0.96      |      |                   |           |         |         | AZ   |
| 8               | 4,721,753                |      |      |     |     |                   |     |          |      |     | 1.05      |      |                   |           |         |         | AZ   |
| 9               | 4,830,760                | 2.27 | 28.6 | 7.6 |     |                   |     | 7.03     | 27.3 | 7.6 | 1.18      |      |                   |           | 7:27 AM | 7:20 AM | DE   |
| 10              | 4,744,613                | 2.63 | 28.8 | 7.7 |     |                   |     | 6.97     | 26.7 | 7.6 | 1.01      |      |                   |           | 7:01 AM |         | DE   |
| 11              | 4,392,932                | 3.11 | 29.0 | 7.6 |     |                   |     | 6.98     | 27.6 | 7.4 | 1.03      |      |                   |           | 7:43 AM | 7:40 AM | DE   |
| 12              | 4,335,532                | 2.71 | 29.1 | 7.6 |     |                   |     | 6.83     | 28.1 | 7.7 | 1.00      |      |                   |           | 7:01 AM |         | DE   |
| 13              | 3,694,161                | 2.61 | 24.0 | 7.8 |     |                   |     | 6.90     | 28.4 | 7.4 | 0.08      |      |                   |           | 7:30 AM | 7:27 AM | DE   |
| 14              | 4,282,307                |      |      |     |     |                   |     |          |      |     | 1.02      |      |                   |           |         |         | DE   |
| 15              | 4,791,878                |      |      |     |     |                   |     |          |      |     | 1.66      |      |                   |           |         |         | JM   |
| 16              | 4,927,399                | 3.46 | 29.2 | 7.7 |     |                   |     | 6.60     | 29.3 | 7.5 | 1.42      |      |                   |           | 8:06 AM | 7:12 AM | DE   |
| 17              | 4,764,972                | 1.91 | 29.3 | 7.6 |     |                   |     | 6.40     | 29.2 | 7.7 | 1.30      |      |                   |           | 7:25 AM | 7:32 AM | DE   |
| 18              | 3,762,010                | 2.88 | 29.3 | 7.8 |     |                   |     | 6.98     | 29.2 | 7.6 | 1.32      |      |                   |           | 7:49 AM |         | DE   |
| 19              | 4,236,513                | 2.44 | 29.4 | 7.8 |     |                   |     | 6.68     | 29.3 | 7.6 | 1.25      |      |                   |           | 7:31 AM | 7:58 AM | DE   |
| 20              | 4,540,643                | 1.27 | 29.3 | 7.7 |     |                   |     | 6.52     | 29.5 | 7.6 | 1.05      |      |                   |           | 7:41 AM | 7:41 AM | DE   |
| 21              | 4,568,052                |      |      |     |     |                   |     |          |      |     | 1.68      |      |                   |           |         |         | ES   |
| 22              | 4,773,173                |      |      |     |     |                   |     |          |      |     | 1.61      |      |                   |           |         |         | ES   |
| 23              | 4,455,940                | 1.86 | 29.2 | 7.7 |     |                   |     | 6.76     | 29.3 | 7.6 | 1.48      |      |                   |           | 7:15 AM | 7:44 AM | DE   |
| 24              | 4,329,372                | 2.58 | 29.6 | 7.8 |     |                   |     | 6.57     | 29.1 | 7.7 | 1.35      |      |                   |           | 7:46 AM | 8:00 AM | DE   |
| 25              | 4,295,215                | 2.42 | 29.5 | 7.7 |     |                   |     | 6.82     | 29.3 | 7.6 | 1.08      |      |                   |           | 7:32 AM | 7:36 AM | DE   |
| 26              | 4,098,048                | 2.51 | 29.2 | 7.5 |     |                   |     | 6.62     | 28.4 | 7.7 | 1.13      |      |                   |           | 8:43 AM | 8:40 AM | JM   |
| 27              | 4,015,042                | 2.66 | 29.2 | 7.8 |     |                   |     | 6.78     | 27.4 | 8.0 | 1.14      |      |                   |           | 8:01 AM | 8:50 AM | JM   |
| 28              | 4,196,435                |      |      |     |     |                   |     |          |      |     | 1.55      |      |                   |           |         |         | JV   |
| 29              | 4,439,397                |      |      |     |     |                   |     |          |      |     | 1.12      |      |                   |           |         |         | JV   |
| 30              | 4,174,816                | 2.69 | 28.9 | 7.6 |     |                   |     | 7.01     | 27.3 | 7.7 | 1.79      |      |                   |           | 7:47 AM |         | DE   |
| TOTAL           | 138,289,582              |      |      |     |     |                   |     |          |      |     |           |      |                   |           |         |         |      |
| AVG             | 4,609,653                |      |      |     |     |                   |     |          |      |     |           |      |                   |           |         |         |      |
| MAX             | 7,733,417                |      |      |     |     |                   |     | 7.03     |      |     | 8.2       | 1.79 |                   |           |         |         |      |
| MIN             | 3,694,161                |      |      |     |     |                   |     | 6.10     |      |     | 7.4       |      |                   |           |         |         |      |

Salitrillo Wastewater Discharge Permit Renewal 02/2025  
TPDES No. WQ0010749-001 (EPA I.D. TX0053074)

## Attachment 16

### Other Industrial User Information

Reference: Domestic Technical Report 6.0

### Section 1 A



Salitrillo WWTP

Permit: WQ0010749-001

San Antonio River Authority

#### Other Industrial User Information

The four Other IU's listed are not SIU's since they discharge less than 25,000 gallons per day and do not have the potential of causing interference or pass through at the Salitrillo WWTP.

Other IU's listed:

Supa Doors Inc. SIC Code 2431

1732 Universal City Blvd, Universal City, Texas 78148.  
0 gallons per day of Process Wastewater discharges.  
92 gallons per day non-process wastewater discharges.

Meadow Burke Products SIC Code 3499

8521 FM 1976, Converse, TX 78109.  
0 gallons per day of process wastewater discharges.  
465 gallons per day of non-process wastewater discharges.

Ingram Ready Mix SIC Code 3273

9450 FM 78, Converse, TX 78109.  
0 gallons per day of process wastewater discharges.  
5368 gallons per day of non-process wastewater discharges.

Best Block SIC Code 3271

418 Gibbs-Sprawl Rd, Converse, TX 78109.  
0 gallons per day of process wastewater discharges.  
2355 gallons per day of non-process wastewater discharges.

Salitrillo Wastewater Discharge Permit Renewal 02/2025  
TPDES No. WQ0010749-001 (EPA I.D. TX0053074)

## Attachment 17

### Significant Industrial User Information

Reference: Domestic Technical Report 6.0

### Section 3

## **Alamo Plating and Metal Finishing LTD Effluent Treatment Procedures**

### **Overview:**

**Alamo Plating and Metal Finishing produces liquid waste from normal operations that are pretreated using industry standard practices and techniques. No continuous effluent stream is discharged from Alamo Plating and Metal Finishing. All effluents are treated on a batch treatment basis. Alamo Plating and Metal Finishing has the capacity to batch treat up to 1000 gallons of liquids at a time, with a typical batch treatment consisting of 500-900 gallons up to several times a week. These liquids are treated for pH and metal concentration. Alamo Plating and Metal Finishing uses a pH meter and a Hydrodyne colorimeter as analytical devices used to measure metal concentrations. Alamo Plating and Metal Finishing is capable of testing for Aluminum, Copper, Cyanide, Nickel, Free Chlorine, Hex Chrome, and Zinc in house. Alamo Plating and Metal Finishing uses the product Broco WCM40 metal precipitant supplied by Broco Products and caustic soda as the method for treating liquids containing metals. Once the liquids have been treated and are in compliance with limits set forth by the EPA and SARA regulatory agencies, the results are recorded in a POTW discharge log, and the liquid is then filtered with a filter plate press and the effluent is discharged to the POTW. The resultant sludge is then dried, barreled and finally shipped off site for disposal. The current effluent streams generated and treated at Alamo Plating and Metal Finishing are listed below along with their treatment methods.**

**All treatments listed on this procedure will be performed by trained personnel at Alamo Plating and Metal Finishing. The operator will sign off each time a treatment is performed. A training record will be maintained for each operator trained for treatment.**

**If at anytime an accidental discharge occurs the treatment operator will immediately contact The SARA office for notification of discharge.**

### **Acids:**

**Muratic and Nitric acids used in the stripping of plating will be treated using the following procedure.**

- 1. Make sure the valve to POTW is fully closed.**
- 2. Add 200 gallons of water to batch treatment tank for each 55 gallons of acid to treat.**
- 3. Add Acid to batch treatment tank.**
- 4. Check and adjust pH to between 6.0 to 8.5 by slowly adding caustic soda.**
- 5. Add 100 gallons per 55 gallons of acid treated to cool solution.**
- 6. Add sufficient Broco WCM40 and caustic soda to precipitate metals.**
- 7. Mix.**
- 8. Allow up to 2 hours to settle.**
- 9. Take a grab sample and test for metals using the colorimeter.**
- 10. If metals are present above acceptable limits, repeat steps 6 through 9.**
- 11. Filter effluent to POTW with filter press.**

### **Alkalines:**

Soaps used in the metals cleaning cycle include MacDermid 88A which is a sodium metasilicate type of soap.

Soaps used in the cleaning cycle will be treated using the following procedure.

1. Make sure the valve to POTW is fully closed.
2. Add Alkaline to batch treatment tank.
3. Check and adjust pH to between 6.0 to 8.5 with muratic acid or nitric acid.
4. Add sufficient Broco WCM40 to precipitate metals.
5. Mix.
6. Allow up to 2 hours to settle.
7. Take a grab sample and test for metals using the colorimeter.
8. If metals are present above acceptable limits, repeat steps 4 through 7.
9. Filter effluent to POTW with filter press.

### **Floor cleaning:**

**From time to time the floors are rinsed in the production areas and the resultant liquid is treated using the following procedure.**

- 1. Make sure the valve to POTW is fully closed.**
- 2. Add floor cleaning liquid to batch treatment tank.**
- 3. Check and adjust pH to between 6.0 to 8.5.**
- 4. Add sufficient Broco WCM40 to precipitate metals.**
- 5. Mix.**
- 6. Allow up to 2 hours to settle.**
- 7. Take a grab sample and test for metals using the colorimeter.**
- 8. If metals are present above acceptable limits, repeat steps 4 through 7.**
- 9. Filter effluent to POTW with filter press.**

**Treatment limits.**

All colorimeter results will be checked against the limits listed below.

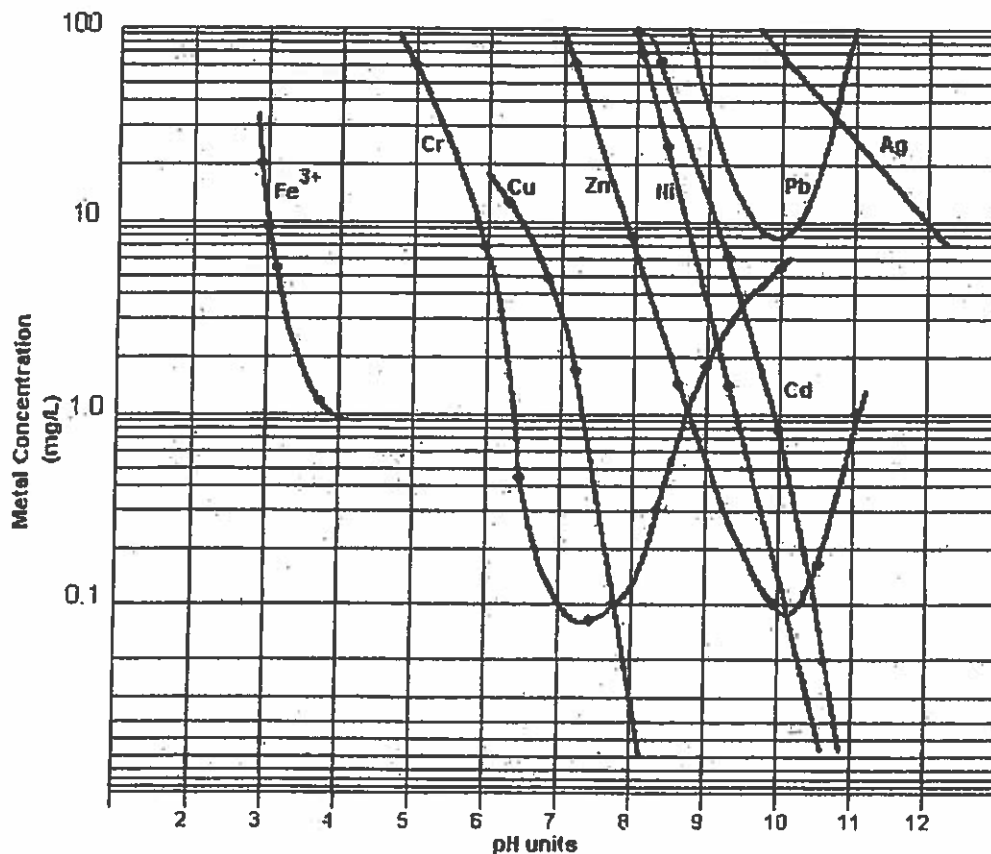
| <b><u>Metal</u></b> | <b><u>Daily Composite</u></b> | <b><u>Grab Sample</u></b> |
|---------------------|-------------------------------|---------------------------|
| Chromium            | 1.0                           | 5.0                       |
| Copper              | 1.0                           | 2.0                       |
| Cyanide (total)     | 2.5                           |                           |
| Nickel              | 2.0                           | 3.0                       |
| Silver              | 0.1                           | 0.2                       |
| Zinc                | 2.0                           | 6.0                       |

## Hydroxide Precipitation

• 5

### Hydroxide Precipitation

The most common used method to remove soluble metal ions from solution is to precipitate the ion as a metal hydroxide. The process is readily automated and controlled by a simple pH controller. By raising the pH value of a solution with a common alkaline material such as lime, or sodium hydroxide the corresponding metallic hydroxide compounds become insoluble and precipitate from solution. Below is a metal hydroxide solubility curve showing the solubility of the common heavy metal ions and their respective solubility versus pH.



If copper is reviewed, it is seen that at a pH of 6 copper has a solubility of 20 mg/l and at a pH of 8.0, the solubility is 0.05 mg/l.

Nickel has a similar curve but it occurs at 3 pH points high. At a pH of 8.0 nickel has a solubility of 70 mg/l and at a pH of 10.2 the solubility is 0.1 mg/l.

Several metals such as chromium and zinc are amphoteric, being soluble at both alkaline and acid conditions. Chromium reaches its least theoretical chromium solubility of 0.08 at pH of 7.5.



If both chromium and nickel are present a pH value that precipitates both ions must be chosen. It is common to utilize a pH of 9.0 - 9.5 to precipitate both metals.

The theoretical solubility usually does not exist in practice. Metallic coagulant such as ferric chloride or aluminum sulfate are generally used to accelerate the coagulation and precipitation of the heavy metals. Even when not added they are present from other metal processing solutions such as the pickling bath. Ferric hydroxide and/or aluminum hydroxide precipitate and tend to form co-precipitate with nickel and chromium. The net is a metallic ion concentration lower than would be predicted from the solubility curve.

The effluent limitations for chromium and nickel are both 2.4 mg/l to discharge to a city sewer in the U.S. A pH value of 9 - 9.5 will usually precipitate both ions to their required level.

If chromium must be precipitated to a level less than 0.5 mg/l the pH must be operated at 7.0-8.0. If nickel is present it must be precipitated with sulfide as the metallic sulfide ion. Chromium does not form insoluble sulfide precipitates and must be precipitated as the hydroxide at 7.0 - 8.0.

Attached is the heavy metal sulfide solubility curves. The sulfide solubility is several orders of magnitude lower than the comparable hydroxide.

#### Ammonical Complexes

Most heavy metal ions readily precipitate by raising the pH of solution, forming the respective metal hydroxide compound. A hydroxide precipitation curve is attached demonstrating the relationship

Certain metal ions, primarily copper, zinc and cadmium readily form metallic complexes with ammonia. The ammonical metal complexes remain very soluble at the higher pH values prohibiting the precipitation of the respective metal hydroxide. There are several methods conventionally used to destroy the ammonical complex and precipitate the metallic ion.

The ammonia ion may be destroyed by oxidation with chlorine or ozone. Eliminating the ammonia destroys the complex. However, the cost is prohibitive when compared to other methods.

The addition of soluble ferrous ion as either ferrous sulfate or ferrous chloride will coprecipitate the metallic ion with the iron hydroxide.

#### Sulfide Solubility

The most economical method is to add soluble sulfide ions and break the ammonical complex by precipitating the metallic sulfide compounds. The sulfide solubility chart below demonstrates the solubility of the metal sulfide compounds. Copper sulfide, for example, is a very insoluble compound and the presence's of soluble sulfide precipitates the copper as it dissociates from the ammonical complex. Ultimately, the copper is all removed from the complex and precipitated as copper sulfide. The ammonia remains in the solution.

[illegible]

### Metal Concentration Limits

| Concentration | Concentration | Concentration |
|---------------|---------------|---------------|
| Chromium      | 1.0 mg/l      | 1.0 mg/l      |
| Copper        | 1.0 mg/l      | 2.0 mg/l      |
| Nickel        | 1.0 mg/l      | 2.0 mg/l      |

pH Range 6.0-8.5

# Alamo Plating and Metal Finishing Batch Treatment Log

| Date     | Time | Pre-Treatment     |     | PH-Treatment |                   | Post-Treatment |            |            |            |       | Operator |
|----------|------|-------------------|-----|--------------|-------------------|----------------|------------|------------|------------|-------|----------|
|          |      | Volume<br>gallons | pH  | Description  | Volume<br>Gallons | pH             | Ni<br>mg/l | Cu<br>mg/l | Cr<br>mg/l |       |          |
| 5-17-17  |      | 800               | 6.5 | Add Soda     | 800               | 7.6            | .4         | .12        | NT         | Stu M |          |
| 7-14-17  |      | 800               | 6.5 | Add Soda     | 800               | 7.4            | .4         | .3         | NT         | Stu M |          |
| 7-21-17  |      | 750               | 6.5 | Add Soda     | 750               | 7.2            | .3         | .12        | NT         | Stu M |          |
| 8-5-17   |      | 800               | 6.3 | Add Soda     | 800               | 7.6            | .4         | .12        | NT         | Stu M |          |
| 8-19-17  |      | 800               | 6.3 | Add Soda     | 800               | 7.2            | .3         | .2         | NT         | Stu M |          |
| 9-3-17   |      | 800               | 6.7 | Add Soda     | 800               | 7.4            | .4         | .3         | NT         | Stu M |          |
| 9-16-17  |      | 750               | 6.1 | Add Soda     | 750               | 7.6            | .3         | .12        | NT         | Stu M |          |
| 10-6-17  |      | 800               | 6.0 | Add Soda     | 800               | 7.7            | .3         | .2         | NT         | Stu M |          |
| 10-21-17 |      | 800               | 6.2 | Add Soda     | 800               | 7.5            | .4         | .2         | NT         | Stu M |          |
| 11-5-17  |      | 800               | 6.3 | Add Soda     | 800               | 7.7            | .4         | .3         | NT         | Stu M |          |
| 11-20-17 |      | 700               | 6.1 | Add Soda     | 700               | 7.5            | .3         | .3         | NT         | Stu M |          |
| 12-5-17  |      | 800               | 6.0 | Add Soda     | 800               | 7.4            | .4         | .3         | NT         | Stu M |          |
| 12-21-17 |      | 700               | 6.6 | Add Soda     | 700               | 7.6            | .3         | .12        | NT         | Stu M |          |
| 1-10-18  |      | 800               | 6.1 | Add Soda     | 800               | 7.4            | .4         | .3         | NT         | Stu M |          |
| 1-24-18  |      | 800               | 6.0 | Add Soda     | 800               | 7.7            | .3         | .2         | NT         | Stu M |          |

Metal Concentration Limits

Metal Concentration Limits

Chromium 1.0 mg/l  
Copper 1.0 mg/l  
Nickel 2.0 mg/l

pH Range 6.0-8.5

# Alamo Plating and Metal Finishing Batch Treatment Log

| Date    | Time | Pre-Treatment     |     | PH-Treatment |             | Post-Treatment    |     |            |            |                         |    | Operator |
|---------|------|-------------------|-----|--------------|-------------|-------------------|-----|------------|------------|-------------------------|----|----------|
|         |      | Volume<br>gallons | pH  |              | Description | Volume<br>Gallons | pH  | Ni<br>mg/l | Cu<br>mg/l | Cr <sup>3</sup><br>mg/l |    |          |
| 2-6-18  |      | 800               | 6.5 |              | Add soda    | 800               | 7.2 | .3         | .12        | NT                      | SG |          |
| 2-20-18 |      | 700               | 6.1 |              | Add soda    | 700               | 7.6 | .3         | .2         | NT                      | SG |          |
| 3-7-18  |      | 800               | 6.3 |              | Add soda    | 800               | 7.7 | .4         | .3         | NT                      | SG |          |
| 4-5-18  |      | 800               | 6.6 |              | Add soda    | 800               | 7.2 | .3         | .12        | NT                      | SG |          |
| 4-18-18 |      | 800               | 6.1 |              | Add soda    | 800               | 7.4 | .3         | .4         | NT                      | SG |          |
| 5-2-18  |      | 750               | 6.3 |              | Add soda    | 750               | 7.8 | .4         | .12        | NT                      | SG |          |
| 5-16-18 |      | 800               | 6.0 |              | Add Soda    | 800               | 7.5 | .3         | .3         | NT                      | SG |          |
| 6-4-18  |      | 800               | 6.3 |              | Add soda    | 800               | 7.6 | .3         | .2         | NT                      | SG |          |
| 6-20-18 |      | 800               | 6.1 |              | Add soda    | 800               | 7.2 | .3         | .12        | NT                      | SG |          |
| 7-21-18 |      | 700               | 6.6 |              | Add soda    | 700               | 7.4 | .4         | .3         | NT                      | SG |          |
| 8-7-18  |      | 800               | 6.1 |              | Add soda    | 800               | 7.7 | .3         | .2         | NT                      | SG |          |
| 8-20-18 |      | 800               | 6.1 |              | Add soda    | 800               | 7.3 | .3         | .12        | NT                      | SG |          |
| 9-5-18  |      | 800               | 5.8 |              | Add soda    | 800               | 7.8 | .4         | .3         | NT                      | SG |          |
| 9-20-18 |      | 800               | 6.3 |              | Add soda    | 800               | 7.6 | .3         | .2         | NT                      | SG |          |
| 10-5-18 |      | 750               | 6.1 |              | Add soda    | 750               | 7.4 | .3         | .4         | NT                      | SG |          |

## Metal Concentration Limits

|          |          |
|----------|----------|
| Chromium | 1.0 mg/l |
| Copper   | 1.0 mg/l |
| Nickel   | 2.0 mg/l |

pH Range 6.0-8.5

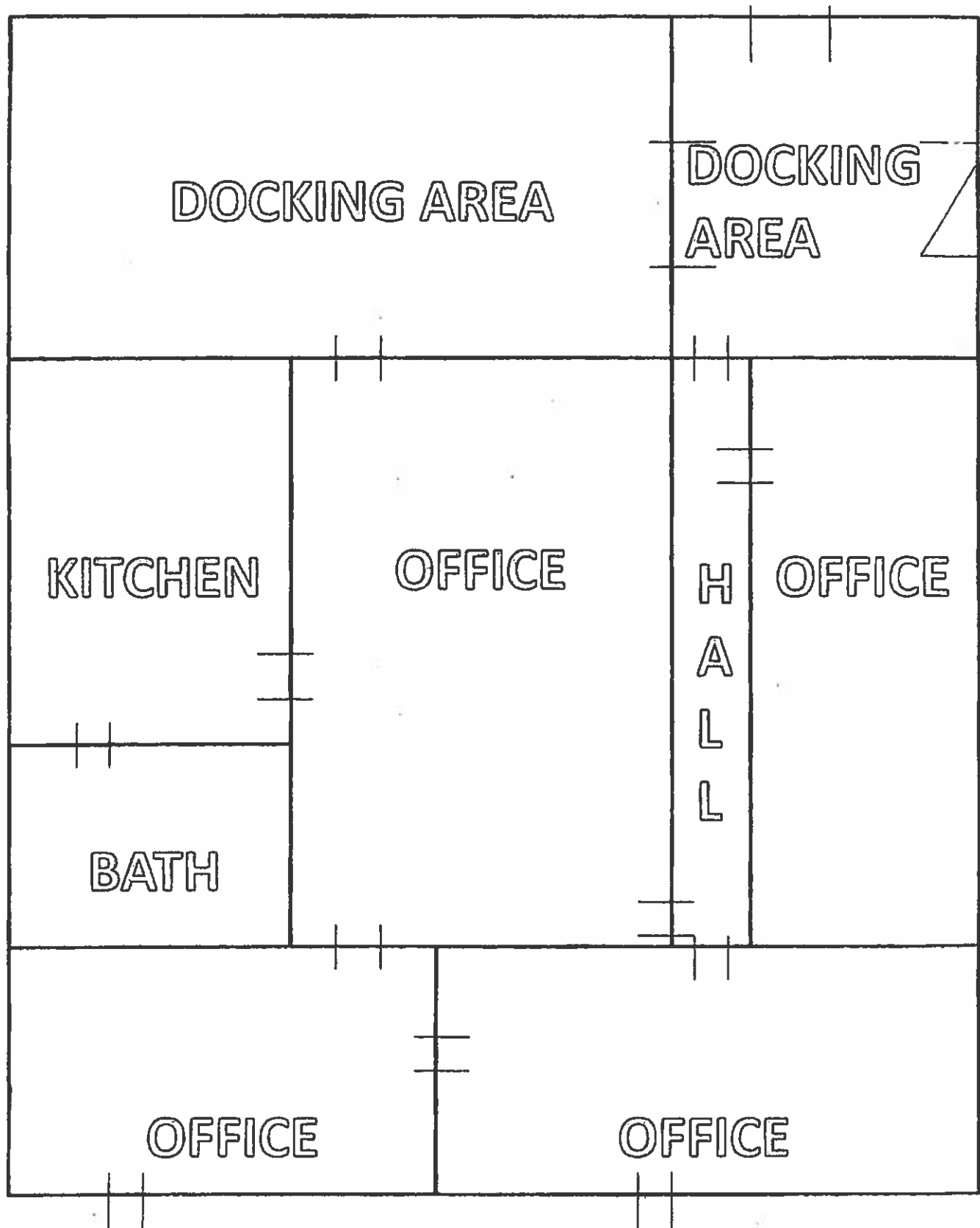
# Alamo Plating and Metal Finishing Batch Treatment Log

| Date     | Pre-Treatment |                   | PH-Treatment |             | Post-Treatment    |     |            |            |                         | Operator |
|----------|---------------|-------------------|--------------|-------------|-------------------|-----|------------|------------|-------------------------|----------|
|          | Time          | Volume<br>gallons | pH           | Description | Volume<br>Gallons | pH  | Ni<br>mg/l | Cu<br>mg/l | Cr <sup>3</sup><br>mg/l |          |
| 10-20-18 |               | 800               | 6.0          | Add soda    | 800               | 7.7 | .3         | .2         | NT                      | SG       |
| 11-5-18  |               | 800               | 6.3          | Add soda    | 800               | 7.8 | .4         | .3         | NT                      | SG       |
| 11-19-18 |               | 800               | 6.6          | Add soda    | 800               | 7.7 | .4         | .4         | NT                      | SG       |
| 12-15-18 |               | 800               | 6.1          | Add soda    | 800               | 7.2 | .3         | .12        | NT                      | SG       |
| 12-21-18 |               | 700               | 5.8          | Add soda    | 700               | 7.3 | .3         | .3         | NT                      | SG       |
| 1-10-19  |               | 800               | 6.3          | Add soda    | 800               | 7.4 | .4         | .2         | NT                      | SG       |
| 1-25-19  |               | 800               | 6.1          | Add soda    | 800               | 7.2 | .3         | .3         | NT                      | SG       |
| 2-10-19  |               | 750               | 6.0          | Add soda    | 750               | 7.5 | .2         | .12        | NT                      | SG       |
| 2-26-19  |               | 800               | 6.1          | ADD SODA    | 800               | 7.6 | .2         | .12        | NT                      | SG       |
| 3-15-19  |               | 800               | 6.2          | ADD SODA    | 800               | 7.8 | .4         | .3         | NT                      | SG       |
| 4-5-19   |               | 800               | 6.5          | Add soda    | 800               | 7.5 | .3         | .2         | NT                      | SG       |
| 4-20-19  |               | 700               | 6.1          | Add Soda    | 700               | 7.1 | .2         | .2         | NT                      | SG       |
| 5-5-19   |               | 750               | 6.6          | Add soda    | 750               | 7.6 | .4         | .2         | NT                      | SG       |
| 8-25-19  |               | 800               | 6.2          | Add soda    | 800               | 7.5 | .3         | .4         | NT                      | SG       |
| 6-8-19   |               | 800               | 6.0          | Add soda    | 800               | 7.2 | .4         | .3         | NT                      | SG       |

## Metal Concentration Limits

|          |          |
|----------|----------|
| Chromium | 1.0 mg/l |
| Copper   | 1.0 mg/l |
| Nickel   | 2.0 mg/l |

pH Range 6.0-8.5



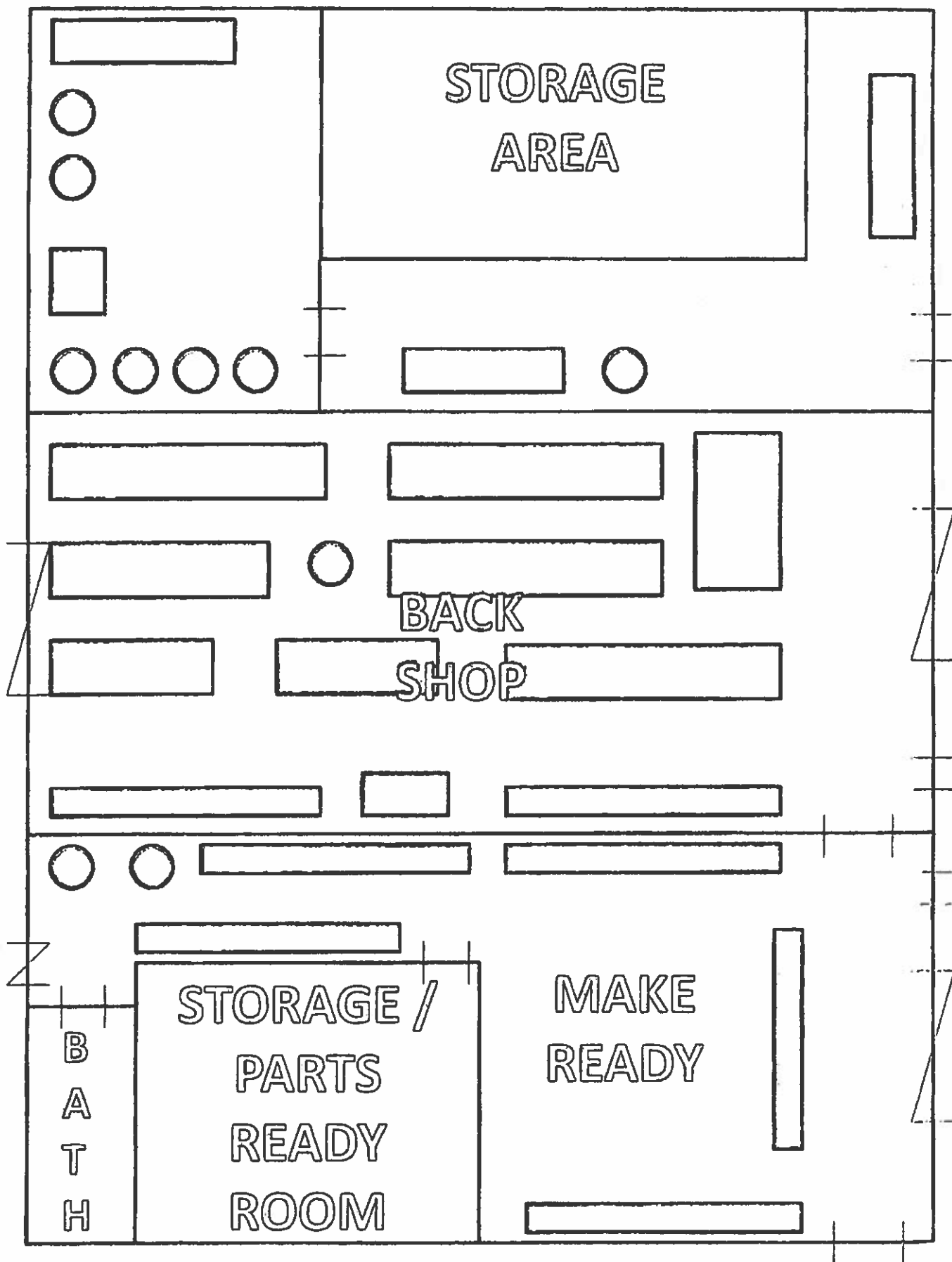
ALAMO PLATING & METAL FINISHING, LTD.

FRONT  
SHOP

LAB

WASTE  
TREATMENT

W  
A  
L  
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W  
A  
Y





DOCKING & STORAGE

CONFERENCE  
ROOM

OFFICE

BATHROOM

KITCHEN

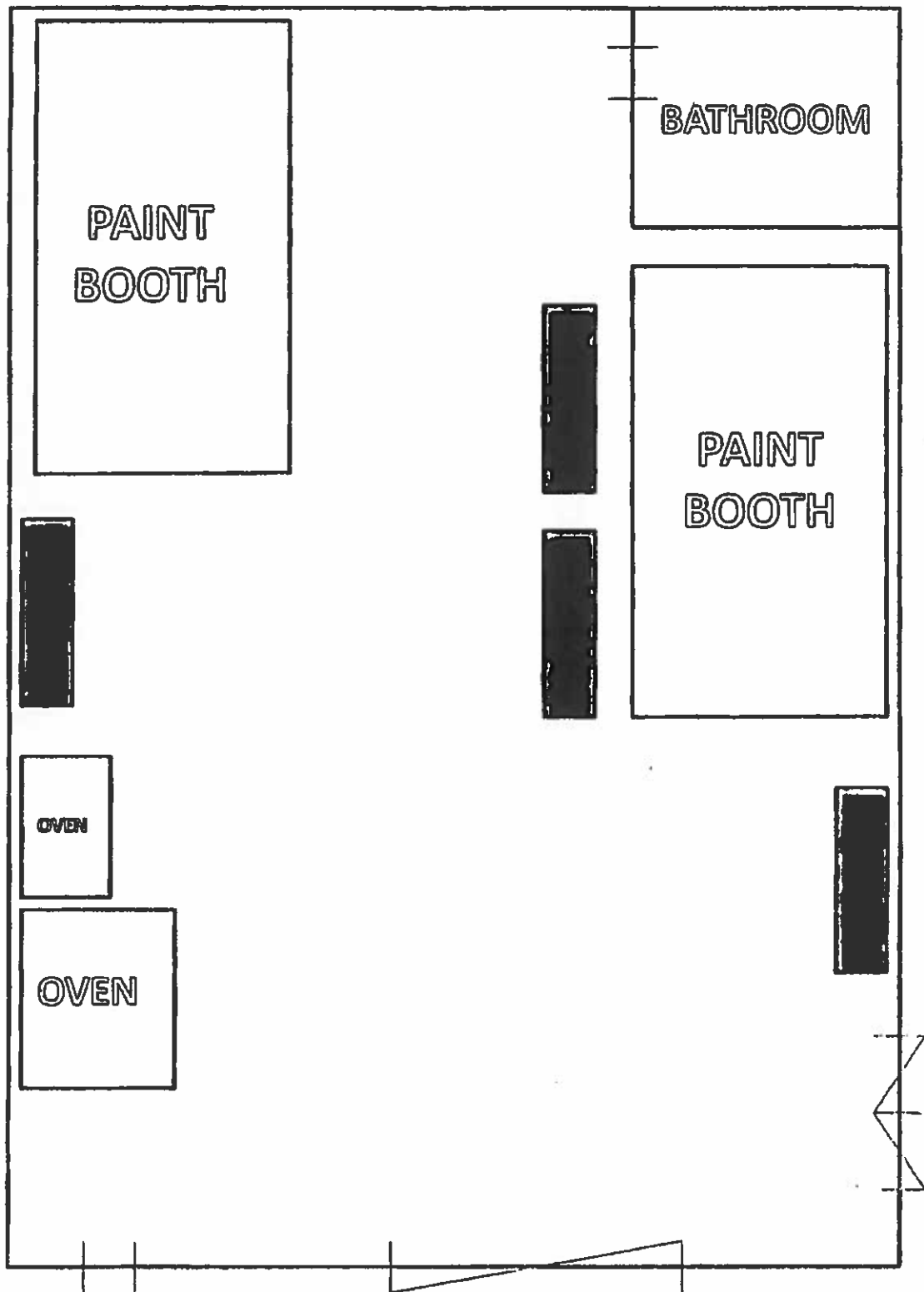
BATHROOM

STOREROOM

OFFICE

OFFICE

ALAMO PLATING & METAL FINISHING, LTD.



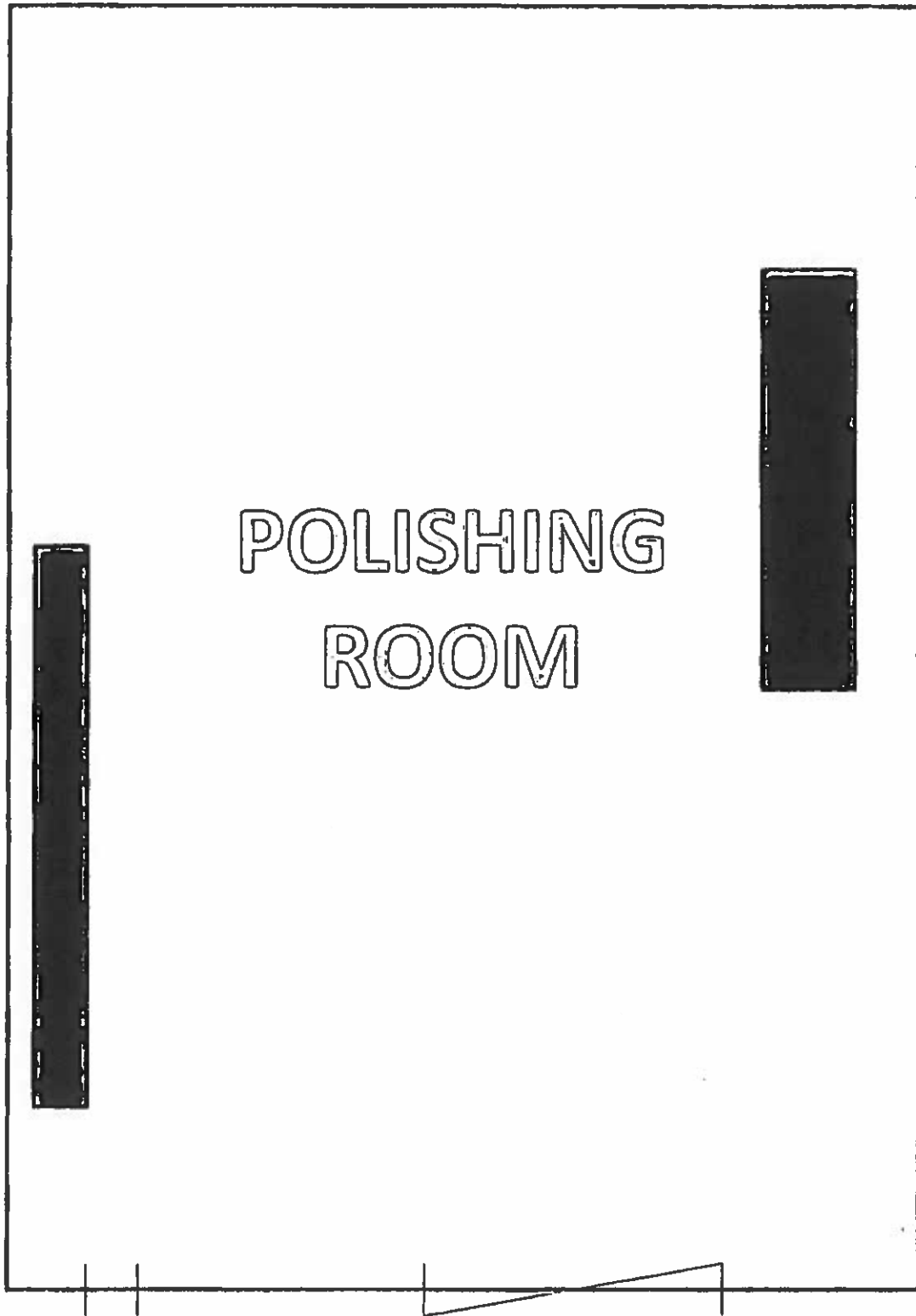
BATH  
ROOM

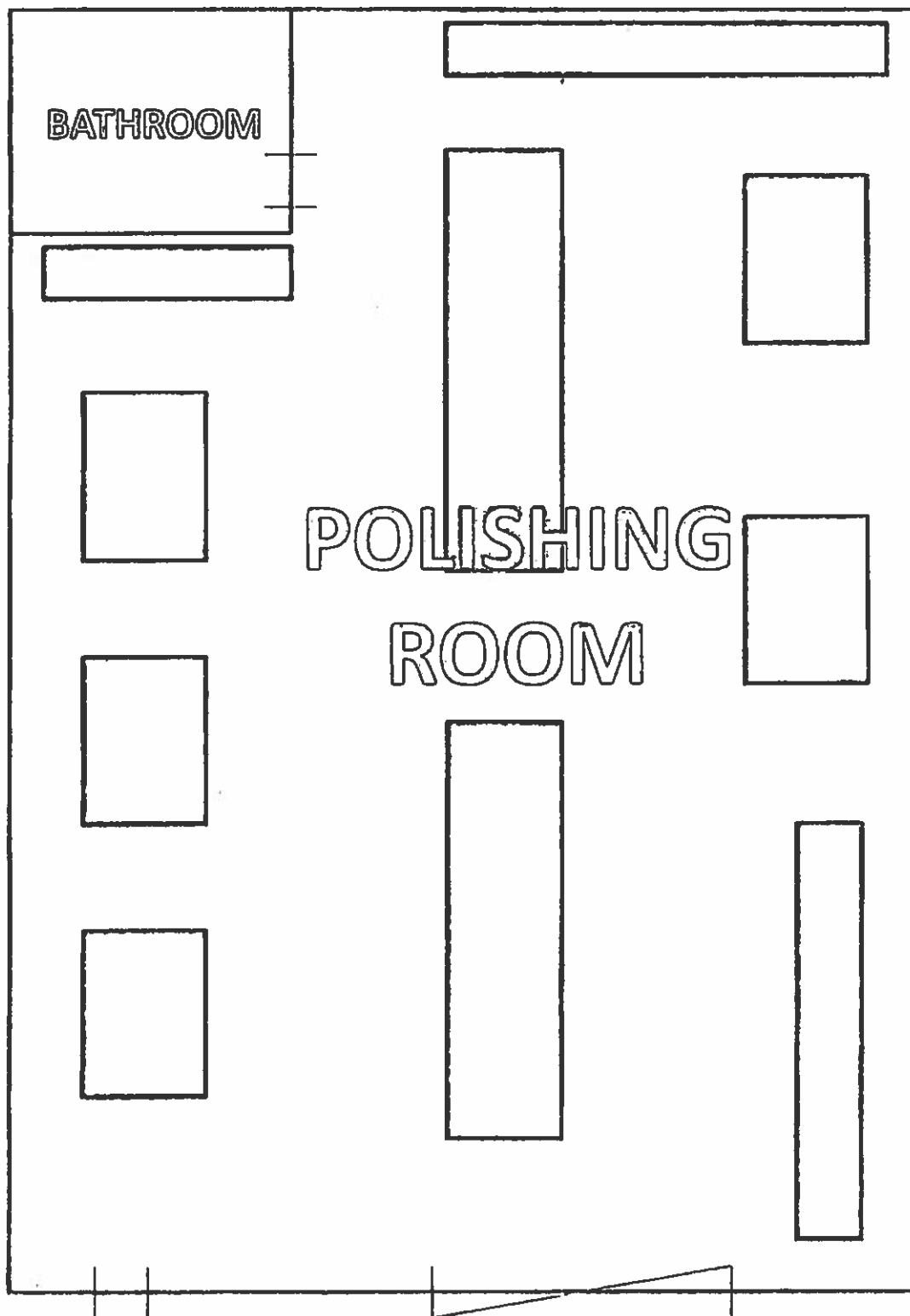
WORK / FILM ROOM

WATER  
TRANSFER  
PRINTING  
TANK

RINSE  
TANK

POLISHING  
ROOM





Salitrillo Wastewater Discharge Permit Renewal 02/2025  
TPDES No. WQ0010749-001 (EPA I.D. TX0053074)

## Attachment 18

Summary Transmittal Letter and Approval

Reference: Domestic Technical Report 1.0

Section 6A

and

Reference: Domestic Technical Report 1.0

Section 6C

November 30<sup>th</sup>, 2021

Mr. Louis C. Herrin III, P.E.  
TCEQ  
Water Quality Division MC – 148  
Plans and Specification Review  
12100 Park 35 Cir  
Austin, TX 78753

Re: Chapter 217.6 Summary Transmittal Letter

**Permittee:** San Antonio River Authority, San Antonio, TX  
**Permit Number:** WQ0010749001  
**Project Name:** Salitrillo WWTP Expansion Project  
**County:** Bexar

Dear Mr. Herrin:

The purpose of this letter is to provide the Texas Commission on Environmental Quality (TCEQ) with the information necessary to comply with the requirements of 217.6(c) of the TCEQ's rules entitled, "DESIGN CRITERIA FOR DOMESTIC WASTEWATER SYSTEMS." The necessary information includes:

**1. Name and address of the design firm:**

Freese and Nichols, Inc.  
9601 McAllister Freeway, Suite 1008  
San Antonio, TX 78216

Firm Number:  
F-2144

**2. Name, phone number, and facsimile number of the design engineer:**

Kendall King, P.E.  
Phone: 512-381-1834  
E-mail: [Kendall.King@freese.com](mailto:Kendall.King@freese.com)

**3. County where the project will be located:**

Bexar County

**4. Identifying name for the project:**

Salitrillo WWTP Expansion Project

**5. Name of the entity that proposes to own, operate, and maintain the project through its design life:**

San Antonio River Authority  
100 East Guenther  
San Antonio, Texas 78204

**6. Statement certifying that the plans and specifications are in substantial compliance with all the requirements of Chapter 217, with the exception of any listed variance requests.**

The plans and specifications for this project are in substantial compliance with the requirements of all applicable sections of TAC Chapter 217, with the exception of variances listed under item 8 d/e.

**7. Statement certifying that any variances will not threaten public health or the environment, based on the best professional judgement of the engineer who prepared the engineering report and the project plans and specifications:**

Project variances will not threaten public health or the environment.

**8. Brief description of the project scope:**

a. Brief engineering summary describing purpose.

The Salitrillo WWTP Expansion project includes all process and hydraulic improvements required to expand the facility from its current interim permit capacity (5.83 MGD average daily flow; 14.69 MGD peak 2-hr flow) to its buildout final permit capacity (7.33 MGD average daily flow; 18.33 MGD peak 2-hr flow) included in the Texas Pollutant Discharge Elimination System (TPDES) discharge permit. This expansion has been triggered since the running annual average daily flow has exceeded 75% of the interim permitted flow of 5.83 MGD and is projected to exceed 90% by 2022.

The plant splits flow between an upper train and lower train, before combining into a single discharge line to a single outfall to the Salitrillo Creek. The permitted flows are shown in Table 1 and the plant expansion design flows, including those for each treatment train, are shown in Table 2.



**Table 1: Discharge Permit Flows**

| Phase   | Annual Average Flow (AAQ) (MGD) | Peak 2-hr Flow (PDQ) (gpm) |
|---------|---------------------------------|----------------------------|
| Interim | 5.83                            | 10,204 (14.69 MGD)         |
| Final   | 7.33                            | 12,726 (18.33 MGD)         |

**Table 2: Plant Expansion Design Flows and Flow Splits**

| Phase  | Annual Average Flow (AADF) (MGD) | Peak 2-hr Flow (P2HF) (MGD) |
|--|----------------------------------|-----------------------------|
| Upper Plant  | 2.30 (31%)                       | 4.23 (24%)                  |
| RAS  | 2.74                             | -                           |
| Lower Plant  | 5.03 (69%)                       | 14.10 (76%)                 |
| Oxidation Ditch Train  | 2.04 (59.4%)                     | 5.72 (59.4%)                |
| Aeration Carrousel Train   | 2.99 (40.6%)                     | 8.38 (40.6%)                |
| RAS <sup>1</sup>   | 6.78                             | -                           |
| Total Plant Flow   | 7.33                             | 18.33                       |
| 1. Max rated capacity of existing RAS screw pump is 3.79 MGD; rated capacity of proposed RAS pump station is 2.99 MGD. |                                  |                             |

The design loadings for the Salitrillo WWTP expansion are shown in Table 3. The permitted effluent quality is shown in Table 4. The treatment capacity of the existing biological treatment processes is shown in Table 5.

**Table 3: Influent Design Loadings**

| Influent Characteristic | Influent Design Parameters (mg/L) |
|-------------------------|-----------------------------------|
| cBOD <sub>5</sub>       | 225                               |
| TSS                     | 200                               |
| NH <sub>3</sub> -N      | 35                                |

**Table 4: Permitted Effluent Quality**

| Effluent Characteristic | Discharge Limitations |                      |                  |                    |
|-------------------------|-----------------------|----------------------|------------------|--------------------|
|                         | Daily Average (mg/L)  | 7-day Average (mg/L) | Daily Max (mg/L) | Single Grab (mg/L) |
| cBOD <sub>5</sub>       | 7                     | 12                   | 22               | 32                 |
| TSS                     | 15                    | 25                   | 40               | 60                 |
| NH <sub>3</sub> -N      | 2                     | 5                    | 10               | 15                 |
| E. coli (CFU)           | 126                   | n/a                  | 399              | n/a                |
| D.O.                    | 6.0                   | n/a                  | n/a              | n/a                |

**Table 5:** Salitrillo Process Capacity at Maximum Month cBOD Concentration of 225 mg/L

| Biological Treatment Basin | Existing Process Volume (MG) | Max BOD Loading (lb/d/kft <sup>3</sup> ) | Max Treatment Capacity (MGD) |
|----------------------------|------------------------------|--|------------------------------|
| Oxidation ditch #1         | 1.00                         | 15                                       | 1.03                         |
| Oxidation ditch #2         | 1.00                         | 15                                       | 1.03                         |
| Lower Carrouseles (#1, #2) | 1.84                         | 24                                       | 3.02                         |
| Upper Carrousel #1         | 1.40                         | 24                                       | 2.30                         |
| Total Capacity (MGD) =     |                              |  | 7.38                         |

b. List of treatment units to be constructed or altered:

**Table 6:** Salitrillo WWTP Expansion BASE Scope Items<sup>1</sup>

| Process   | Improvement / Description   | Reason   |
|---|---|--|
| <b>Upper Plant – 2.30 MGD Average Daily Flow, 4.23 MGD Peak 2-hr Flow</b> |   |  |
| <b>Influent Lift Station</b>  | -Upsize existing lift station motors from 25 HP, 35 HP, 40 HP to 3x50 HP motors (single speed); 2 duty 1 standby, with associated belt / sheave replacement and electrical improvements. The operating point of each pump is 2.3 MGD @ 58' TDH with firm capacity of 4.23 MGD.<br>-Miscellaneous piping and valve improvements as recommended by manufacturer | -Required to increase upper plant pumping capacity from 2.52 MGD to 4.23 MGD to achieve Final Phase plant hydraulic capacity of 7.33 MGD AADF and 18.33 MGD P2HR<br>-Miscellaneous valve/piping replacement is required for reliable operation |
| <b>Headworks Fine Screen</b>  | No Improvements – Replacement of the existing roto screen is under consideration as an alternate scope item should budget allow. Current maximum screen capacity is 10.1 MGD peak flow (3 MGD average) and sufficient for proposed expansion.   |  |
| <b>Headworks Grit Removal</b>   | N/A – No grit removal is currently included or proposed for the upper plant treatment train.  |  |
| <b>Biological Treatment (Aeration Carrousel)</b>                          | -Replace and upsize existing Aeration Carrousel Mechanical Aerators (3) from 60 HP single speed to 100 HP with VFD  | -Required to increase aeration treatment capacity to 7.33 MGD AADF / 225 mg/L cBOD at 24 lb/d/kft <sup>3</sup> and achieve a minimum DO of 2 mg/L  |
| <b>Existing Secondary Clarification</b>                                   | No Improvements – Existing 90 ft secondary clarifier w/13ft side water depth has overflow rate of 665 gpd / ft <sup>2</sup> at peak 4.23 MGD flow.  |  |
| <b>Existing UV Disinfection</b>   | -Remove existing UV Disinfection equipment<br>-Install new combined UV Disinfection Basin to treat flows from both the upper and lower plant  | -Required to increase treatment capacity; combined structure proposed to minimize capital, operational, and maintenance costs  |
| <b>Existing Post Aeration</b>   | -Remove existing Post Aeration equipment<br>-Install new combined Post Aeration   | -Required to increase treatment capacity; combined structure proposed to minimize capital, operational, and maintenance costs  |

| Process   | Improvement / Description   |  | Reason |
|---|---|--|--------|
| Existing NPW Pumps  | N/A – No NPW system is currently installed for the upper plant train and no NPW distribution lines are routed to the upper plant from the lower plant. New NPW system to be installed at combined effluent structure with distribution piping routed to the upper plant train.  |  |        |
| Lower Plant - 5.03 MGD Average Daily Flow, 14.10 MGD Peak 2-hr Flow |   |  |        |
| Influent Lift Station   | -Replace existing single speed 60 HP 54” Screw pump in kind (4,889 gpm; 30.97 ft hydraulic lift)  | -Existing pump (1 out of 3) is out of service<br>-Required to maintain lower plant firm capacity of 14.1 MGD (2 duty pumps, 1 standby)           |        |
| Headworks Mechanical Screen   | No Improvements – Replacement of the existing step screen is under consideration as an alternate scope item should budget allow. Current maximum screen capacity is 8.28 MGD peak flow with remaining 5.82 MGD flow routed through manual screen and sufficient for proposed expansion.   |  |        |
| Headworks Grit Removal  | No Improvements – Replacement of the existing roto screen is under consideration as an alternate scope item should budget allow. Current maximum screen capacity is 10.1 MGD peak flow (3 MGD average) and sufficient for proposed expansion.   |  |        |
| Biological Treatment (Aeration Carrouseles - two)                   | -Replace and upsize existing Aeration Carrousel Mechanical Aerators (4) from 60 HP to 100 HP with VFD   | -Required to increase aeration treatment capacity to 7.33 MGD AADF / 225 mg/L cBOD at 24 lb/d/kft <sup>3</sup> to achieve a minimum DO of 2 mg/L |        |
| Biological Treatment (Oxidation Ditch - two)                        | No Improvements – Existing two (2) oxidation ditches will remain in operation with 1.0 MGD treatment capacity each.   |  |        |
| Secondary Clarification   | -Install two (2) new 100’ secondary clarifiers, 14’ side water depth with new RAS/WAS pump station.<br>-New RAS/WAS Pump station to include three single speed self-priming centrifugal pumps (2 duty, 1 standby) <ul style="list-style-type: none"><li>One Pump On: 1,302 gpm @ 29’ TDH (pulling from a single clarifier – 1.25 Recycle Ratio (RR))</li><li>Two Pump On: 2,083 gpm @ 34 TDH – 1.0 RR</li></ul> | -Required to increase treatment capacity and meet SARA’s 600 gpd / ft^2 surface loading rate design standard                                     |        |
| UV Disinfection   | -Remove existing UV Disinfection equipment<br>-Install new combined UV Disinfection Basin to treat flows from both the upper and lower plant  | -Required to increase treatment capacity; combined structure proposed to minimize capital, operational, and maintenance costs                    |        |
| Post Aeration   | -Remove existing Post Aeration equipment<br>-Install new combined Post Aeration   | -Required to increase treatment capacity; combined structure proposed to minimize capital, operational, and maintenance costs                    |        |
| NPW Pumps   | -Remove existing NPW pumps since will no longer be located downstream of UV disinfection at current location.   | -Required to meet 30 TAC Chapter 217.39  |        |

| Process   | Improvement / Description   | Reason  |
|---|---|---|
| <b>Combined Processes – 7.33 MGD Average Daily Flow, 18.33 MGD Peak 2-hr Flow</b>   |   |   |
| <b>UV Disinfection (NEW Combined Process to treat flows from both upper and lower plant, EXISTING UV Disinfection to be decommissioned)</b> | -Install new combined UV Disinfection Basin to treat flows from both the upper and lower plant  | -Required to increase treatment capacity; combined structure proposed to minimize capital, operational, and maintenance costs |
| <b>Post Aeration (NEW Combined Process to treat flows from both upper and lower plant, EXISTING post aeration to be decommissioned)</b>     | -Install new combined Post Aeration Basin, with two rotary lobe blowers and retrievable fine bubble tube diffusers to treat flows from both the upper and lower plant and achieve 6.0 mg/L D.O. discharge limit   | -Required to increase treatment capacity; combined structure proposed to minimize capital, operational, and maintenance costs |
| <b>NPW Pumps (NEW Combined Process to provide NPW water downstream of new UV Disinfection units)</b>  | -Install new NPW pump system on combined process flow downstream of proposed disinfection (since existing NPW system is located downstream of the existing lower plant UV disinfection, which will be decommissioned).<br>-Reconnect to lower plant distribution system.<br>-Install NPW distribution system to upper plant | -Required to meet 30 TAC Chapter 217.39   |
| <b>Effluent Flume (NEW Combined Process to measure flow from both upper and lower plant)</b>  | -Abandon existing effluent flume<br>-Install new effluent flume at new combined UV Disinfection / Post Aeration / Effluent Pump Structure   | -Required to increase treatment capacity<br>-Required to prevent unauthorized overflow during a flood event                   |
| <b>Floodplain Protection</b>  | -Install Effluent Pump Station; includes four (4) submersible 40 HP single speed pumps (3 duty, 1 standby) for firm capacity of 18.99 MGD. Each pump will include a dedicated discharge header to a raised channel with an operating point of 6.33 MGD @ 19.32 TDH  | -Required for plant discharge during a flood event  |
| <b>Reuse Pumps</b>  | -Install new 6" combined suction piping to pull from proposed diversion manhole on proposed 36" effluent line.  | -Required to maintain use of reuse pumps without relocation of mechanical and electrical equipment                            |
| <b>Plant Drain Lift Station</b>   | -Install new 6' diameter plant drain lift station to pump drain flows from proposed secondary clarifiers, proposed UV disinfection, future backwash filters, and proposed secondary clarifier sum lines back to the lower plant influent lift station / sludge vault  | -Provide drain capabilities for proposed processes and manage clarifier scum  |
| 1. Plant expansion includes site process piping and site electrical improvements as needed to accommodate the process upgrades.             |   |   |

- c. Map of wastewater treatment facility:  
See the attached Site Plan.

d./e. Description of variances and an explanation of all:

- Variance request 30 TAC Chapter 217.328 (c) that states “A wastewater treatment facility must have at least one all-weather access road with the driving surface situated above the 100-year floodplain”. There is a single existing plant all-weather access road but the driving surface is currently situated below the 100-year floodplain. SARA is in the process of updating the hydraulic modeling of the East Salitrillo Creek Watershed to incorporate the Atlas 14 rainfall data and is requesting to defer this improvement to be complete in a separate project in the next 5 years once models are updated. See the attached variance request letter for further description and explanation of variance request.
- Variance request to 30 TAC Chapter 217.61 (f)(2) that states “A self-priming pump must use a suction pipe that produces flow with a velocity of at least 3.0 feet per second but not more than 7.0 feet per second”. The existing 8” ductile iron discharge piping at the existing upper plant lift station will produce a maximum velocity of 10.54 fps with the proposed motor upsize at the existing self-priming centrifugal pumps. It is our understanding that the upper 7.0 fps limit is to manage head loss and provide protection against cavitation. The system NPSHa/NPSHr calculations for the proposed system are below in Table 7, also reviewed by the pump manufacturer, and the 8” suction has been confirmed to be acceptable for the system operation. Therefore, meeting this requirement incurs additional cost to upsize existing pipe from 8” to 10” that is not required for acceptable equipment operating conditions.

**Table 7 – NPSHa Calculations for 8” Suction Line**

| Parameter                      | Value     |
|--------------------------------|-----------|
| Atmosphere Pressure            | 34 ft     |
| Vapor Pressure                 | 1.54 ft   |
| All Pumps Off Elevation        | 624.50 ft |
| Pump Suction Elevation         | 640.80 ft |
| Static Lift (Max)              | 16.30 ft  |
| Head Loss (Friction and Minor) | 2.87 ft   |
| NPSHa                          | 13.29 ft  |
| NPSHr                          | 10 ft     |
| NPSHa> NPSHr Safety Factor     | 3.29 ft   |

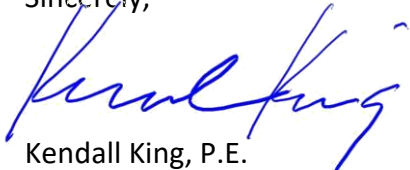
If you have any questions regarding this project, please contact:

Kendall Wayne King, P.E.

Phone: 512-381-1834

E-mail: [Kendall.King@freese.com](mailto:Kendall.King@freese.com)

Sincerely,



Kendall King, P.E.

Freese and Nichols, Inc.



11/30/2021

FREESE AND NICHOLS, INC.  
TEXAS REGISTERED  
ENGINEERING FIRM  
F-2144







October 18, 2021

Mr. Louis C. Herrin III, P.E.  
TCEQ – MC148  
P.O. Box 13087  
Austin, TX 78711-3087

Re: Variance Request – Plant Access Road  
Permittee: San Antonio River Authority  
Permit Number: WQ0010749001  
Project Name: Salitrillo Wastewater Treatment Plant Expansion  
County: Bexar

Dear Mr. Herrin:

Freese and Nichols, Inc. (FNI) on the behalf of San Antonio River Authority (River Authority) is requesting an exception to 30 TAC Chapter 217.328 (c) that states “A wastewater treatment facility must have at least one all-weather access road with the driving surface situated above the 100-year flood plain” for the Salitrillo Wastewater Treatment Plant as part of the Salitrillo Wastewater Treatment Plant (WWTP) Expansion Project, Permit Number WQ0010749001. The improvements required to meet 30 TAC Chapter 217.328 (c) will be implemented as part of a future project in the next five years, once flood map updates based on results of the National Weather Service Atlas 14 historical rainfall study have been finalized and adopted in 2023/2024. **The River Authority is requesting approval to use funds currently available for plant capacity expansion and phase road entrance improvements in a future project to be complete in the next five years, if determined to be necessary once flood map updates are implemented.** This would allow SARA to address Atlas 14 updates in an informed manner and avoid possibly wasting resources, potentially take advantage of federal funds available for flood mitigation projects, and implement a comprehensive solution with other stakeholders.

The Salitrillo WWTP Expansion project includes improvements required to increase the plant capacity from 5.83 MGD to 7.33 MGD and achieve the final permit phase. This expansion has been triggered since the plant currently experiences running annual average daily flows greater than 75% of the interim phase permitted flow and is projected to exceed 90% by 2022, with buildout conditions achieved by 2029. Due to budget constraints, the River Authority is implementing the expansion in multiple phases with the initial phase focused on increasing treatment capacity as required to meet the final phase of permit.

All plant improvements not required to meet the final permit flows have been broken down into three phases over the next twenty years to manage costs; the first future phase will be within 5 years. This includes site civil improvements to the plant access road. The plant has a single entrance installed with the original plant construction in 1973 and raised by approximately 1 ft as part of an expansion completed in 1982. To determine existing flood conditions, FNI modified the FEMA Effective HEC-RAS Model for East Salitrillo Creek by adding cross sections in the treatment plant area. The topography of the cross sections was updated based on 2017 TNRIS LiDAR and the Manning’s n values were updated based on aerial imagery, published values in the Flood Insurance Study and engineering judgement. The resulting 100-year flood inundation boundary is referred to as the Corrected Effective floodplain. This does not take into account Atlas 14 rainfall. Based on the corrected effective 100-year floodplain for the area (FIRM Panel 48029C0295F, effective 9/29/2010), approximately 350 linear feet of the plant access road is located below the current effective 100-year floodplain elevation and within the Salitrillo Creek floodway.



According to the FEMA map, the water depth for the submerged portion of the plant access road ranges from 0.5 ft to 3.0 ft, as shown in Figure 1 and subsequent tables. This does not include Atlas 14 rainfall updates, which are expected to increase flood depths and may require additional improvements once implemented. Raising the existing plant entrance is not feasible based on modeled conditions since this would require filling in the floodway, which requires extensive regulatory coordination / permitting approval, and because Rocket Lane, the municipal roadway to which the plant entrance is connected, would remain flooded. Based on this information, a second plant entrance would likely be required to meet Chapter 217.328(c). However, the River Authority and the design team have doubts about the accuracy of the current FEMA Maps. A summary of significant rain events in the area and their relation to Atlas 14 rainfall depths is shown in Table 1 and 2. Even though the existing plant entrance is shown to be in the floodway, River Authority staff have never observed flooded access at the plant entrance and plant access has never been hindered during any rain event.

**Table 1: Current 24-hr Atlas 14 Rainfall Depths for PA-3 (San Antonio Zone containing Salitrillo WWTP) San Antonio Drainage Manual**

| 1-YEAR   | 2-YEAR   | 5-YEAR   | 10-YEAR  | 25-YEAR  | 50-YEAR   | 100-YEAR | 500-YEAR  |
|----------|----------|----------|----------|----------|-----------|----------|-----------|
| 3.07 in. | 3.96 in. | 5.31 in. | 6.56 in. | 8.46 in. | 10.06 in. | 12 in.   | 17.51 in. |

**Table 2: Major Rain Events Recorded at San Antonio International Airport Weather Station\***

| Date       | 24-hr Rainfall (in.) | Between: | and:     |
|------------|----------------------|----------|----------|
| 10-17-1998 | 11.26                | 50-YEAR  | 100-YEAR |
| 05-25-2013 | 9.87                 | 25-YEAR  | 50-YEAR  |
| 07-01-2002 | 9.52                 | 25-YEAR  | 50-YEAR  |
| 09-26-1973 | 6.54                 | 5-YEAR   | 10-YEAR  |
| 05-05-1993 | 6.26                 | 5-YEAR   | 10-YEAR  |
| 09-03-2018 | 6.07                 | 5-YEAR   | 10-YEAR  |

\*Approximately 10 miles from Salitrillo WWTP

October 18, 2021

Page 3 of 3

The River Authority is acting as the local FEMA delegate and is in the process of updating the hydraulic modeling of the East Salitrillo Creek Watershed to incorporate the Atlas 14 rainfall data. New FEMA maps are expected to be adopted in 2023 or 2024. Additionally, construction on Rocket Lane for drainage and mobility improvements will begin mid-2022, and is expected to be complete in 2024. Based on field observation and feedback from plant staff in addition to the pending map revisions and Rocket Lane road improvements, the River Authority is requesting approval to phase the second road entrance for completion in the next 5 years and dedicate funds currently available for plant capacity expansion. This would also allow the River Authority to account for the impacts of Rocket Lane improvements, address Atlas 14 updates at one time and possibly take advantage of federal funds available for flood mitigation projects.

Sincerely,



Kendall King, P.E., Freese and Nichols

[Kendall.king@freese.com](mailto:Kendall.king@freese.com)

512-381-1834

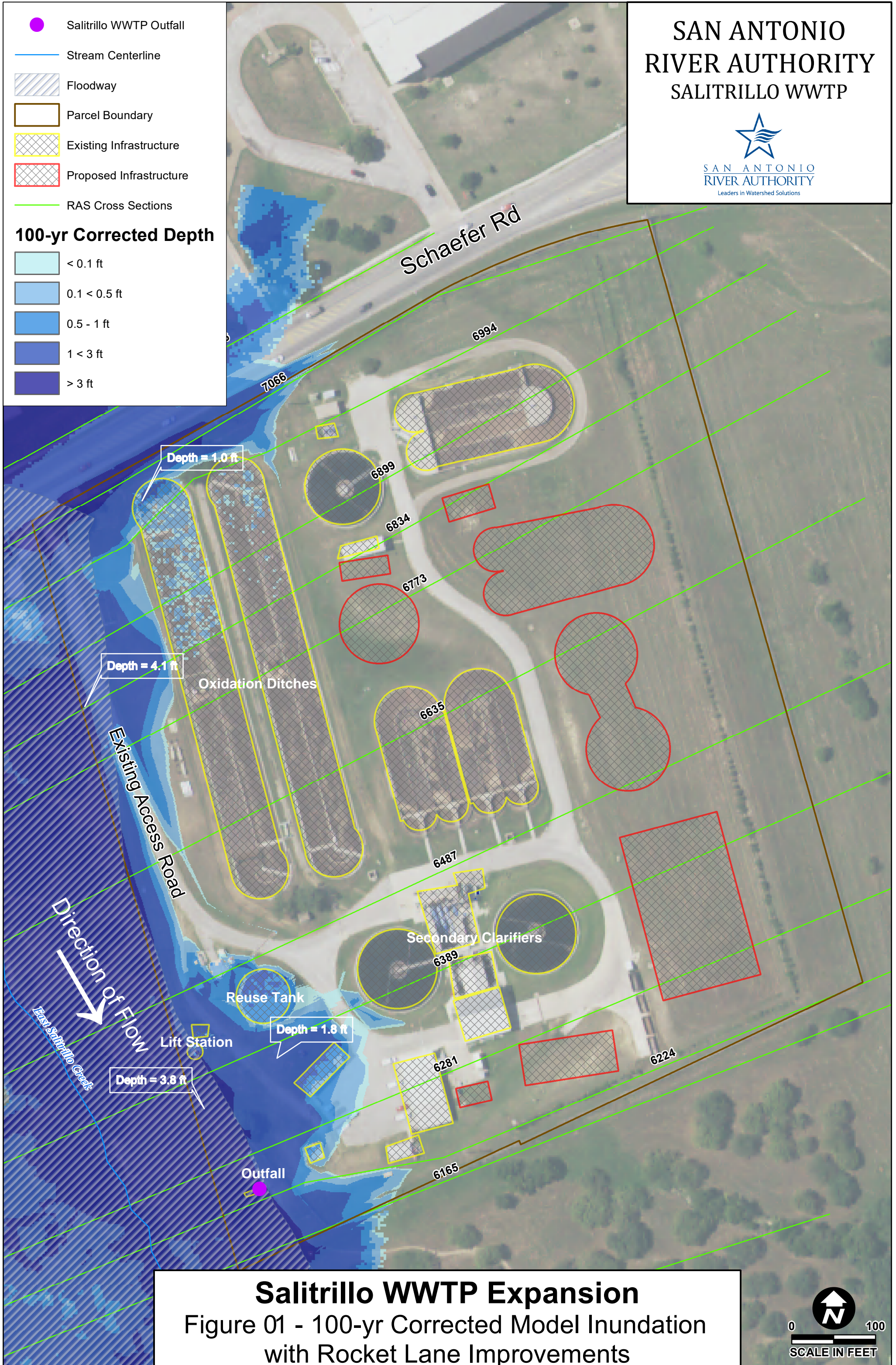
Cc: Erika "Rikki" Anderson, P.E., San Antonio River Authority

Attachments:

Figure 1 100-Year Corrected Effective Floodplain with Rocket Lane Improvements

Figure 2 FIRM Panel 48029C0295F







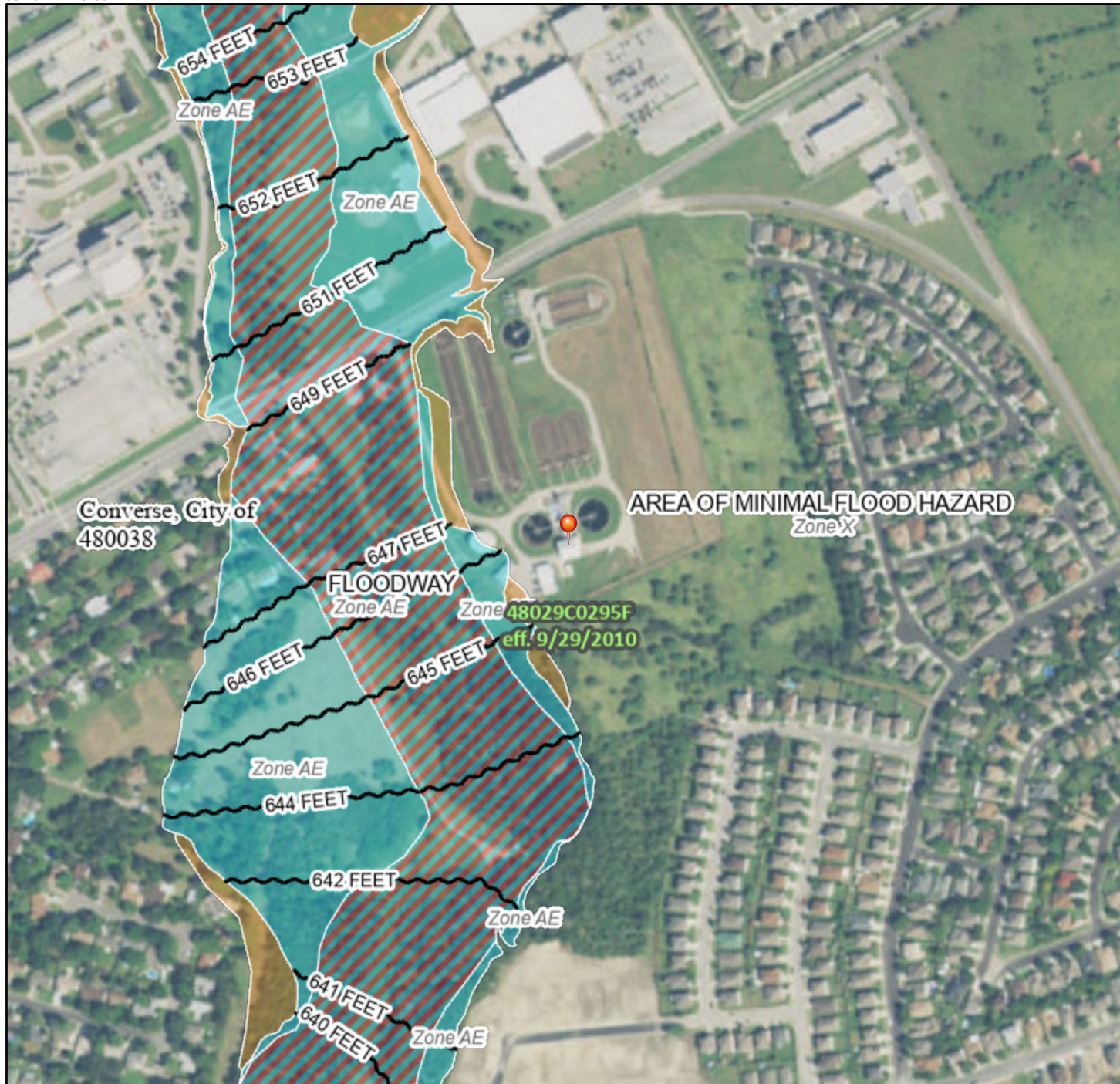
| Reach | River Sta | Profile | Plan                  | Q Total<br>(cfs) | Min Ch El<br>(ft) | W.S. Elev<br>(ft) | Crit W.S.<br>(ft) | E.G. Elev<br>(ft) | E.G. Slope<br>(ft/ft) | Vel Chnl<br>(ft/s) | Flow Area<br>(sq ft) | Top Width<br>(ft) | Froude # Chl |
|-------|-----------|---------|-----------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------------------|--------------------|----------------------|-------------------|--------------|
| 1     | 9037      | 0.2%    | Mitigated             | 12780.00         | 648.03            | 658.01            |                   | 658.54            | 0.004628              | 7.98               | 2259.80              | 508.54            | 0.49         |
| 1     | 9037      | 0.2%    | Mitigated Rocket Lane | 12780.00         | 648.03            | 658.00            |                   | 658.53            | 0.004671              | 8.01               | 2253.00              | 508.36            | 0.49         |
| 1     | 8787      | 1%      | Corrected             | 10580.00         | 646.34            | 656.07            | 655.28            | 656.62            | 0.005188              | 8.08               | 2027.55              | 628.90            | 0.52         |
| 1     | 8787      | 1%      | Proposed              | 10580.00         | 646.34            | 656.17            | 655.28            | 656.68            | 0.004748              | 7.80               | 2090.25              | 630.58            | 0.50         |
| 1     | 8787      | 1%      | Corrected Rocket Lane | 10580.00         | 646.34            | 655.98            | 655.28            | 656.57            | 0.005620              | 8.35               | 1972.32              | 627.23            | 0.54         |
| 1     | 8787      | 1%      | Proposed Rocket Lane  | 10580.00         | 646.34            | 656.00            | 655.28            | 656.58            | 0.005527              | 8.29               | 1983.73              | 627.57            | 0.54         |
| 1     | 8787      | 1%      | Mitigated             | 10580.00         | 646.34            | 656.08            | 655.28            | 656.62            | 0.005152              | 8.06               | 2032.43              | 629.04            | 0.52         |
| 1     | 8787      | 1%      | Mitigated Rocket Lane | 10580.00         | 646.34            | 655.96            | 655.28            | 656.55            | 0.005729              | 8.41               | 1959.26              | 626.85            | 0.54         |
| 1     | 8787      | 0.2%    | Corrected             | 14368.00         | 646.34            | 657.04            | 655.79            | 657.58            | 0.004351              | 8.02               | 2645.30              | 657.71            | 0.49         |
| 1     | 8787      | 0.2%    | Proposed              | 14368.00         | 646.34            | 657.12            | 655.79            | 657.64            | 0.004088              | 7.83               | 2701.26              | 661.46            | 0.47         |
| 1     | 8787      | 0.2%    | Corrected Rocket Lane | 14368.00         | 646.34            | 656.93            | 655.79            | 657.51            | 0.004710              | 8.28               | 2575.84              | 653.36            | 0.50         |
| 1     | 8787      | 0.2%    | Proposed Rocket Lane  | 14368.00         | 646.34            | 656.96            | 655.79            | 657.53            | 0.004629              | 8.22               | 2590.81              | 654.31            | 0.50         |
| 1     | 8787      | 0.2%    | Mitigated             | 14368.00         | 646.34            | 656.99            | 655.79            | 657.55            | 0.004505              | 8.13               | 2614.64              | 655.80            | 0.49         |
| 1     | 8787      | 0.2%    | Mitigated Rocket Lane | 14368.00         | 646.34            | 656.93            | 655.79            | 657.51            | 0.004709              | 8.28               | 2576.04              | 653.37            | 0.50         |
| 1     | 8236      | 1%      | Corrected             | 10580.00         | 644.31            | 655.06            | 652.02            | 655.27            | 0.001595              | 5.15               | 3050.87              | 613.95            | 0.30         |
| 1     | 8236      | 1%      | Proposed              | 10580.00         | 644.31            | 655.29            | 652.02            | 655.48            | 0.001397              | 4.90               | 3188.35              | 627.99            | 0.28         |
| 1     | 8236      | 1%      | Corrected Rocket Lane | 10580.00         | 644.31            | 654.81            | 652.02            | 655.04            | 0.001876              | 5.48               | 2895.28              | 604.62            | 0.32         |
| 1     | 8236      | 1%      | Proposed Rocket Lane  | 10580.00         | 644.31            | 654.87            | 652.02            | 655.09            | 0.001806              | 5.40               | 2931.03              | 606.77            | 0.32         |
| 1     | 8236      | 1%      | Mitigated             | 10580.00         | 644.31            | 655.08            | 652.02            | 655.29            | 0.001576              | 5.13               | 3062.74              | 614.72            | 0.30         |
| 1     | 8236      | 1%      | Mitigated Rocket Lane | 10580.00         | 644.31            | 654.73            | 652.02            | 654.97            | 0.001963              | 5.57               | 2852.08              | 601.04            | 0.33         |
| 1     | 8236      | 0.2%    | Corrected             | 14368.00         | 644.31            | 656.04            | 652.62            | 656.30            | 0.001693              | 5.67               | 3667.27              | 675.31            | 0.31         |
| 1     | 8236      | 0.2%    | Proposed              | 14368.00         | 644.31            | 656.21            | 652.62            | 656.45            | 0.001543              | 5.48               | 3782.44              | 686.56            | 0.30         |
| 1     | 8236      | 0.2%    | Corrected Rocket Lane | 14368.00         | 644.31            | 655.79            | 652.62            | 656.07            | 0.001942              | 5.98               | 3504.97              | 659.20            | 0.33         |
| 1     | 8236      | 0.2%    | Proposed Rocket Lane  | 14368.00         | 644.31            | 655.85            | 652.62            | 656.12            | 0.001880              | 5.90               | 3542.39              | 662.61            | 0.33         |
| 1     | 8236      | 0.2%    | Mitigated             | 14368.00         | 644.31            | 655.93            | 652.62            | 656.20            | 0.001792              | 5.80               | 3598.86              | 669.99            | 0.32         |
| 1     | 8236      | 0.2%    | Mitigated Rocket Lane | 14368.00         | 644.31            | 655.79            | 652.62            | 656.07            | 0.001942              | 5.98               | 3505.45              | 659.24            | 0.33         |
| 1     | 7768      | 1%      | Corrected             | 10580.00         | 641.45            | 654.69            |                   | 654.89            | 0.001119              | 5.03               | 3279.74              | 638.02            | 0.26         |
| 1     | 7768      | 1%      | Proposed              | 10580.00         | 641.45            | 654.97            |                   | 655.15            | 0.000954              | 4.72               | 3461.12              | 647.92            | 0.24         |
| 1     | 7768      | 1%      | Corrected Rocket Lane | 10580.00         | 641.45            | 654.35            |                   | 654.57            | 0.001373              | 5.46               | 3061.64              | 630.80            | 0.29         |
| 1     | 7768      | 1%      | Proposed Rocket Lane  | 10580.00         | 641.45            | 654.43            |                   | 654.65            | 0.001306              | 5.35               | 3113.39              | 631.95            | 0.28         |
| 1     | 7768      | 1%      | Mitigated             | 10580.00         | 641.45            | 654.72            |                   | 654.91            | 0.001103              | 5.00               | 3295.79              | 639.22            | 0.26         |
| 1     | 7768      | 1%      | Mitigated Rocket Lane | 10580.00         | 641.45            | 654.25            |                   | 654.48            | 0.001462              | 5.60               | 2997.64              | 629.47            | 0.29         |
| 1     | 7768      | 0.2%    | Corrected             | 14368.00         | 641.45            | 655.64            |                   | 655.89            | 0.001236              | 5.57               | 3900.65              | 669.22            | 0.28         |
| 1     | 7768      | 0.2%    | Proposed              | 14368.00         | 641.45            | 655.86            |                   | 656.08            | 0.001109              | 5.33               | 4045.83              | 683.21            | 0.26         |
| 1     | 7768      | 0.2%    | Corrected Rocket Lane | 14368.00         | 641.45            | 655.32            |                   | 655.59            | 0.001460              | 5.95               | 3687.03              | 658.74            | 0.30         |
| 1     | 7768      | 0.2%    | Proposed Rocket Lane  | 14368.00         | 641.45            | 655.40            |                   | 655.66            | 0.001402              | 5.85               | 3737.60              | 661.75            | 0.29         |
| 1     | 7768      | 0.2%    | Mitigated             | 14368.00         | 641.45            | 655.51            |                   | 655.77            | 0.001323              | 5.72               | 3812.36              | 665.24            | 0.29         |
| 1     | 7768      | 0.2%    | Mitigated Rocket Lane | 14368.00         | 641.45            | 655.32            |                   | 655.60            | 0.001459              | 5.94               | 3687.71              | 658.79            | 0.30         |
| 1     | 7577      | 1%      | Corrected             | 10580.00         | 642.97            | 654.54            |                   | 654.68            | 0.000865              | 4.14               | 3712.01              | 735.28            | 0.23         |
| 1     | 7577      | 1%      | Proposed              | 10580.00         | 642.97            | 654.85            |                   | 654.97            | 0.000729              | 3.87               | 3939.18              | 748.09            | 0.21         |
| 1     | 7577      | 1%      | Corrected Rocket Lane | 10580.00         | 642.97            | 654.15            |                   | 654.32            | 0.001093              | 4.54               | 3428.76              | 729.24            | 0.25         |
| 1     | 7577      | 1%      | Proposed Rocket Lane  | 10580.00         | 642.97            | 654.24            |                   | 654.41            | 0.001032              | 4.44               | 3496.89              | 731.37            | 0.25         |
| 1     | 7577      | 1%      | Mitigated             | 10580.00         | 642.97            | 654.57            |                   | 654.71            | 0.000851              | 4.11               | 3732.44              | 735.76            | 0.22         |
| 1     | 7577      | 1%      | Mitigated Rocket Lane | 10580.00         | 642.97            | 654.03            |                   | 654.21            | 0.001175              | 4.67               | 3343.91              | 724.17            | 0.26         |
| 1     | 7577      | 0.2%    | Corrected             | 14368.00         | 642.97            | 655.47            |                   | 655.66            | 0.000955              | 4.61               | 4415.09              | 771.36            | 0.24         |
| 1     | 7577      | 0.2%    | Proposed              | 14368.00         | 642.97            | 655.71            |                   | 655.88            | 0.000845              | 4.39               | 4598.20              | 785.54            | 0.23         |
| 1     | 7577      | 0.2%    | Corrected Rocket Lane | 14368.00         | 642.97            | 655.12            |                   | 655.33            | 0.001157              | 4.96               | 4142.18              | 752.70            | 0.26         |
| 1     | 7577      | 0.2%    | Proposed Rocket Lane  | 14368.00         | 642.97            | 655.20            |                   | 655.41            | 0.001104              | 4.87               | 4207.33              | 753.79            | 0.26         |
| 1     | 7577      | 0.2%    | Mitigated             | 14368.00         | 642.97            | 655.33            |                   | 655.52            | 0.001032              | 4.75               | 4302.67              | 760.78            | 0.25         |
| 1     | 7577      | 0.2%    | Mitigated Rocket Lane | 14368.00         | 642.97            | 655.12            |                   | 655.33            | 0.001156              | 4.96               | 4143.01              | 752.71            | 0.26         |
| 1     | 7156      | 1%      | Corrected             | 10580.00         | 640.36            | 653.00            | 649.57            | 653.11            | 0.000463              | 3.46               | 4898.89              | 1020.03           | 0.18         |
| 1     | 7156      | 1%      | Proposed              | 10580.00         | 640.36            | 653.69            | 649.57            | 653.77            | 0.000324              | 3.01               | 5625.10              | 1081.66           | 0.16         |
| 1     | 7156      | 1%      | Corrected Rocket Lane | 10580.00         | 639.60            | 652.25            | 646.88            | 652.42            | 0.000550              | 4.02               | 4354.72              | 980.62            | 0.20         |
| 1     | 7156      | 1%      | Proposed Rocket Lane  | 10580.00         | 639.60            | 652.60            | 646.88            | 652.73            | 0.000457              | 3.73               | 4694.11              | 1000.33           | 0.19         |
| 1     | 7156      | 1%      | Mitigated             | 10580.00         | 639.60            | 653.62            | 646.93            | 653.69            | 0.000221              | 2.73               | 6267.38              | 1076.73           | 0.13         |
| 1     | 7156      | 1%      | Mitigated Rocket Lane | 10580.00         | 639.60            | 652.54            | 646.93            | 652.64            | 0.000368              | 3.34               | 5153.39              | 998.59            | 0.17         |
| 1     | 7156      | 0.2%    | Corrected             | 14368.00         | 640.36            | 653.51            | 650.42            | 653.67            | 0.000656              | 4.24               | 5432.49              | 1069.14           | 0.22         |
| 1     | 7156      | 0.2%    | Proposed              | 14368.00         | 640.36            | 654.18            | 650.42            | 654.30            | 0.000470              | 3.73               | 6164.31              | 1124.44           | 0.19         |
| 1     | 7156      | 0.2%    | Corrected Rocket Lane | 14368.00         | 639.60            | 652.63            | 649.76            | 652.86            | 0.000829              | 5.03               | 4726.49              | 1001.35           | 0.25         |
| 1     | 7156      | 0.2%    | Proposed Rocket Lane  | 14368.00         | 639.60            | 653.11            | 649.76            | 653.29            | 0.000649              | 4.57               | 5210.51              | 1028.87           | 0.23         |
| 1     | 7156      | 0.2%    | Mitigated             | 14368.00         | 639.60            | 653.95            | 648.25            | 654.06            | 0.000352              | 3.51               | 6627.72              | 1105.54           | 0.17         |
| 1     | 7156      | 0.2%    | Mitigated Rocket Lane | 14368.00         | 639.60            | 653.45            | 648.25            | 653.58            | 0.000440              | 3.83               | 6083.86              | 1061.43           | 0.19         |
| 1     | 7121      |         | Bridge                |                  |                   |                   |                   |                   |                       |                    |                      |                   |              |
| 1     | 7066      | 1%      | Corrected             | 10580.00         | 639.84            | 651.84            | 649.58            | 652.09            | 0.001400              | 5.28               | 3650.30              | 1006.63           | 0.29         |
| 1     | 7066      | 1%      | Proposed              | 10580.00         | 639.84            | 651.90            | 648.62            | 652.30            | 0.001918              | 6.20               | 2771.31              | 633.02            | 0.34         |
| 1     | 7066      | 1%      | Corrected Rocket Lane | 10580.00         | 639.60            | 651.81            | 647.21            | 652.05            | 0.001100              | 5.08               | 3767.34              | 1002.36           | 0.26         |
| 1     | 7066      | 1%      | Proposed Rocket Lane  | 10580.00         | 639.60            | 651.88            | 647.21            | 652.25            | 0.001428              | 5.81               | 2913.29              | 632.81            | 0.30         |
| 1     | 7066      | 1%      | Mitigated             | 10580.00         | 639.60            | 651.64            | 646.92            | 651.81            | 0.000745              | 4.14               | 3857.09              | 619.69            | 0.21         |
| 1     | 7066      | 1%      | Mitigated Rocket Lane | 10580.00         | 639.60            | 651.64            | 646.92            | 651.81            | 0.000745              | 4.14               | 3857.09              | 619.69            | 0.21         |
| 1     | 7066      | 0.2%    | Corrected             | 14368.00         | 639.84            | 651.66            | 650.31            | 652.16            | 0.002882              | 7.49               | 3465.30              | 980.38            | 0.41         |
| 1     | 7066      | 0.2%    | Proposed              | 14368.00         | 639.84            | 651.64            | 650.25            | 652.46            | 0.004047              | 8.86               | 2609.70              | 620.13            | 0.49         |
| 1     | 7066      | 0.2%    | Corrected Rocket Lane | 14368.00         | 639.60            | 651.63            | 649.66            | 652.13            | 0.002237              | 7.17               | 3588.74              | 975.99            | 0.37         |
| 1     | 7066      | 0.2%    | Proposed Rocket Lane  | 14368.00         | 639.60            | 651.70            | 649.69            | 652.43            | 0.002864              | 8.15               | 2797.10              | 624.60            | 0.42         |
| 1     | 7066      | 0.2%    | Mitigated             | 14368.00         | 639.60            | 653.28            | 648.31            | 653.48            | 0.000731              | 4.47               | 4937.39              | 689.34            | 0.22         |
| 1     | 7066      | 0.2%    | Mitigated Rocket Lane | 14368.00         | 639.60            | 653.28            | 648.31            | 653.48            | 0.000731              | 4.47               | 4937.39              | 689.34            | 0.22         |
| 1     | 6994      | 1%      | Corrected             | 10580.00         | 640.44            | 649.62            | 649.62            | 651.41            | 0.010040              | 11.97              | 1237.99              | 637.30            | 0.74         |
| 1     | 6994      | 1%      | Proposed              | 10580.00         | 640.42            | 649.62            | 649.39            | 651.56            | 0.010519              | 12.25              | 1108.24              | 464.45            | 0.76         |

| Reach | River Sta | Profile | Plan                  | Q Total<br>(cfs) | Min Ch El<br>(ft) | W.S. Elev<br>(ft) | Crit W.S.<br>(ft) | E.G. Elev<br>(ft) | E.G. Slope<br>(ft/ft) | Vel Chnl<br>(ft/s) | Flow Area<br>(sq ft) | Top Width<br>(ft) | Froude # Chl |
|-------|-----------|---------|-----------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------------------|--------------------|----------------------|-------------------|--------------|
| 1     | 6994      | 1%      | Corrected Rocket Lane | 10580.00         | 640.44            | 649.62            | 649.62            | 651.41            | 0.010040              | 11.97              | 1237.99              | 637.30            | 0.74         |
| 1     | 6994      | 1%      | Proposed Rocket Lane  | 10580.00         | 640.44            | 649.63            | 649.40            | 651.56            | 0.010503              | 12.25              | 1108.84              | 464.49            | 0.76         |
| 1     | 6994      | 1%      | Mitigated             | 10580.00         | 640.44            | 649.38            | 648.99            | 651.18            | 0.010414              | 11.95              | 1128.34              | 460.27            | 0.75         |
| 1     | 6994      | 1%      | Mitigated Rocket Lane | 10580.00         | 640.44            | 649.38            | 648.99            | 651.18            | 0.010414              | 11.95              | 1128.34              | 460.27            | 0.75         |
| 1     | 6994      | 0.2%    | Corrected             | 14368.00         | 640.44            | 651.10            | 649.94            | 651.83            | 0.004647              | 9.11               | 3150.82              | 992.05            | 0.52         |
| 1     | 6994      | 0.2%    | Proposed              | 14368.00         | 640.42            | 651.18            | 649.94            | 652.10            | 0.005333              | 9.80               | 2639.02              | 655.87            | 0.56         |
| 1     | 6994      | 0.2%    | Corrected Rocket Lane | 14368.00         | 640.44            | 651.10            | 649.94            | 651.83            | 0.004647              | 9.11               | 3150.82              | 992.05            | 0.52         |
| 1     | 6994      | 0.2%    | Proposed Rocket Lane  | 14368.00         | 640.44            | 651.18            | 649.94            | 652.10            | 0.005322              | 9.80               | 2641.27              | 655.91            | 0.56         |
| 1     | 6994      | 0.2%    | Mitigated             | 14368.00         | 640.44            | 649.97            | 649.94            | 652.60            | 0.014132              | 14.60              | 1264.43              | 583.16            | 0.88         |
| 1     | 6994      | 0.2%    | Mitigated Rocket Lane | 14368.00         | 640.44            | 649.97            | 649.94            | 652.60            | 0.014132              | 14.60              | 1264.43              | 583.16            | 0.88         |
| 1     | 6899      | 1%      | Corrected             | 10580.00         | 640.10            | 649.70            |                   | 650.18            | 0.003196              | 7.42               | 2805.73              | 808.64            | 0.43         |
| 1     | 6899      | 1%      | Proposed              | 10580.00         | 640.10            | 649.75            | 648.09            | 650.26            | 0.003321              | 7.59               | 2664.91              | 638.74            | 0.44         |
| 1     | 6899      | 1%      | Corrected Rocket Lane | 10580.00         | 640.10            | 649.70            |                   | 650.18            | 0.003196              | 7.42               | 2805.73              | 808.64            | 0.43         |
| 1     | 6899      | 1%      | Proposed Rocket Lane  | 10580.00         | 640.10            | 649.75            | 647.93            | 650.27            | 0.003317              | 7.59               | 2666.29              | 638.85            | 0.44         |
| 1     | 6899      | 1%      | Mitigated             | 10580.00         | 640.10            | 649.65            | 647.29            | 650.02            | 0.002549              | 6.60               | 2888.99              | 637.00            | 0.38         |
| 1     | 6899      | 1%      | Mitigated Rocket Lane | 10580.00         | 640.10            | 649.65            | 647.29            | 650.02            | 0.002549              | 6.60               | 2888.99              | 637.00            | 0.38         |
| 1     | 6899      | 0.2%    | Corrected             | 14368.00         | 640.10            | 650.65            |                   | 651.15            | 0.003240              | 7.97               | 3654.00              | 970.33            | 0.44         |
| 1     | 6899      | 0.2%    | Proposed              | 14368.00         | 640.10            | 650.72            | 648.92            | 651.31            | 0.003551              | 8.38               | 3299.23              | 674.51            | 0.46         |
| 1     | 6899      | 0.2%    | Corrected Rocket Lane | 14368.00         | 640.10            | 650.65            |                   | 651.15            | 0.003240              | 7.97               | 3654.00              | 970.33            | 0.44         |
| 1     | 6899      | 0.2%    | Proposed Rocket Lane  | 14368.00         | 640.10            | 650.73            | 648.90            | 651.31            | 0.003543              | 8.37               | 3302.01              | 674.47            | 0.46         |
| 1     | 6899      | 0.2%    | Mitigated             | 14368.00         | 640.10            | 650.63            | 648.09            | 651.08            | 0.002823              | 7.43               | 3524.80              | 672.87            | 0.41         |
| 1     | 6899      | 0.2%    | Mitigated Rocket Lane | 14368.00         | 640.10            | 650.63            | 648.09            | 651.08            | 0.002823              | 7.43               | 3524.80              | 672.87            | 0.41         |
| 1     | 6834      | 1%      | Corrected             | 10580.00         | 639.03            | 649.66            | 647.54            | 649.96            | 0.002225              | 6.19               | 3376.36              | 806.80            | 0.36         |
| 1     | 6834      | 1%      | Proposed              | 10580.00         | 639.03            | 649.70            | 647.56            | 650.03            | 0.002346              | 6.38               | 3206.78              | 683.81            | 0.37         |
| 1     | 6834      | 1%      | Corrected Rocket Lane | 10580.00         | 639.03            | 649.66            | 647.54            | 649.96            | 0.002225              | 6.19               | 3376.36              | 806.80            | 0.36         |
| 1     | 6834      | 1%      | Proposed Rocket Lane  | 10580.00         | 639.03            | 649.70            | 647.54            | 650.03            | 0.002343              | 6.37               | 3208.34              | 683.82            | 0.37         |
| 1     | 6834      | 1%      | Mitigated             | 10580.00         | 639.03            | 649.58            | 646.52            | 649.85            | 0.001971              | 5.80               | 3400.09              | 682.65            | 0.34         |
| 1     | 6834      | 1%      | Mitigated Rocket Lane | 10580.00         | 639.03            | 649.58            | 646.52            | 649.85            | 0.001971              | 5.80               | 3400.09              | 682.65            | 0.34         |
| 1     | 6834      | 0.2%    | Corrected             | 14368.00         | 639.03            | 650.58            | 648.33            | 650.92            | 0.002366              | 6.80               | 4254.08              | 1023.46           | 0.37         |
| 1     | 6834      | 0.2%    | Proposed              | 14368.00         | 639.03            | 650.66            | 648.24            | 651.05            | 0.002614              | 7.18               | 3886.16              | 727.12            | 0.39         |
| 1     | 6834      | 0.2%    | Corrected Rocket Lane | 14368.00         | 639.03            | 650.58            | 648.33            | 650.92            | 0.002366              | 6.80               | 4254.08              | 1023.46           | 0.37         |
| 1     | 6834      | 0.2%    | Proposed Rocket Lane  | 14368.00         | 639.03            | 650.66            | 648.25            | 651.06            | 0.002608              | 7.18               | 3889.34              | 727.13            | 0.39         |
| 1     | 6834      | 0.2%    | Mitigated             | 14368.00         | 639.03            | 650.55            | 647.54            | 650.88            | 0.002238              | 6.60               | 4083.54              | 726.53            | 0.36         |
| 1     | 6834      | 0.2%    | Mitigated Rocket Lane | 14368.00         | 639.03            | 650.55            | 647.54            | 650.88            | 0.002238              | 6.60               | 4083.54              | 726.53            | 0.36         |
| 1     | 6773      | 1%      | Corrected             | 10580.00         | 637.77            | 648.23            |                   | 648.85            | 0.004625              | 8.41               | 2589.41              | 736.04            | 0.51         |
| 1     | 6773      | 1%      | Proposed              | 10580.00         | 637.77            | 648.35            | 647.18            | 648.93            | 0.004280              | 8.16               | 2608.33              | 655.79            | 0.49         |
| 1     | 6773      | 1%      | Corrected Rocket Lane | 10580.00         | 637.77            | 648.23            |                   | 648.85            | 0.004625              | 8.41               | 2589.41              | 736.04            | 0.51         |
| 1     | 6773      | 1%      | Proposed Rocket Lane  | 10580.00         | 637.77            | 648.36            | 647.18            | 648.93            | 0.004257              | 8.15               | 2613.64              | 655.84            | 0.49         |
| 1     | 6773      | 1%      | Mitigated             | 10580.00         | 637.77            | 648.06            | 647.18            | 648.76            | 0.005195              | 8.80               | 2421.90              | 653.50            | 0.53         |
| 1     | 6773      | 1%      | Mitigated Rocket Lane | 10580.00         | 637.77            | 648.06            | 647.18            | 648.76            | 0.005195              | 8.80               | 2421.90              | 653.50            | 0.53         |
| 1     | 6773      | 0.2%    | Corrected             | 14368.00         | 637.77            | 649.08            |                   | 649.75            | 0.004830              | 9.15               | 3228.72              | 778.43            | 0.53         |
| 1     | 6773      | 0.2%    | Proposed              | 14368.00         | 637.77            | 649.10            | 647.85            | 649.80            | 0.004959              | 9.28               | 3103.08              | 678.02            | 0.53         |
| 1     | 6773      | 0.2%    | Corrected Rocket Lane | 14368.00         | 637.77            | 649.08            |                   | 649.75            | 0.004830              | 9.15               | 3228.72              | 778.43            | 0.53         |
| 1     | 6773      | 0.2%    | Proposed Rocket Lane  | 14368.00         | 637.77            | 649.11            | 647.84            | 649.81            | 0.004922              | 9.26               | 3112.55              | 679.63            | 0.53         |
| 1     | 6773      | 0.2%    | Mitigated             | 14368.00         | 637.77            | 648.88            | 647.84            | 649.67            | 0.005637              | 9.74               | 2956.14              | 659.22            | 0.57         |
| 1     | 6773      | 0.2%    | Mitigated Rocket Lane | 14368.00         | 637.77            | 648.88            | 647.84            | 649.67            | 0.005637              | 9.74               | 2956.14              | 659.22            | 0.57         |
| 1     | 6635      | 1%      | Corrected             | 10580.00         | 636.80            | 647.59            |                   | 648.11            | 0.005713              | 8.54               | 2591.55              | 728.90            | 0.55         |
| 1     | 6635      | 1%      | Proposed              | 10580.00         | 636.80            | 647.78            | 646.57            | 648.25            | 0.005075              | 8.18               | 2695.97              | 704.47            | 0.52         |
| 1     | 6635      | 1%      | Corrected Rocket Lane | 10580.00         | 636.80            | 647.59            |                   | 648.11            | 0.005713              | 8.54               | 2591.55              | 728.90            | 0.55         |
| 1     | 6635      | 1%      | Proposed Rocket Lane  | 10580.00         | 636.80            | 647.79            | 646.57            | 648.26            | 0.005024              | 8.15               | 2705.73              | 704.68            | 0.52         |
| 1     | 6635      | 1%      | Mitigated             | 10580.00         | 636.80            | 647.47            | 646.33            | 647.96            | 0.005464              | 8.27               | 2633.05              | 686.57            | 0.54         |
| 1     | 6635      | 1%      | Mitigated Rocket Lane | 10580.00         | 636.80            | 647.47            | 646.33            | 647.96            | 0.005464              | 8.27               | 2633.05              | 686.57            | 0.54         |
| 1     | 6635      | 0.2%    | Corrected             | 14368.00         | 636.80            | 648.35            |                   | 648.97            | 0.006321              | 9.58               | 3194.15              | 840.40            | 0.59         |
| 1     | 6635      | 0.2%    | Proposed              | 14368.00         | 636.80            | 648.36            | 647.12            | 649.01            | 0.006432              | 9.68               | 3127.25              | 755.96            | 0.59         |
| 1     | 6635      | 0.2%    | Corrected Rocket Lane | 14368.00         | 636.80            | 648.35            |                   | 648.97            | 0.006321              | 9.58               | 3194.15              | 840.40            | 0.59         |
| 1     | 6635      | 0.2%    | Proposed Rocket Lane  | 14368.00         | 636.80            | 648.39            | 647.12            | 649.03            | 0.006307              | 9.60               | 3148.85              | 756.27            | 0.59         |
| 1     | 6635      | 0.2%    | Mitigated             | 14368.00         | 636.80            | 648.16            | 646.86            | 648.78            | 0.006519              | 9.58               | 3120.00              | 743.57            | 0.59         |
| 1     | 6635      | 0.2%    | Mitigated Rocket Lane | 14368.00         | 636.80            | 648.16            | 646.86            | 648.78            | 0.006519              | 9.58               | 3120.00              | 743.57            | 0.59         |
| 1     | 6487      | 1%      | Corrected             | 10580.00         | 636.72            | 646.94            |                   | 647.39            | 0.003974              | 7.96               | 2645.75              | 785.24            | 0.47         |
| 1     | 6487      | 1%      | Proposed              | 10580.00         | 636.72            | 647.29            | 645.39            | 647.65            | 0.003014              | 7.12               | 2864.52              | 739.91            | 0.41         |
| 1     | 6487      | 1%      | Corrected Rocket Lane | 10580.00         | 636.72            | 646.94            |                   | 647.39            | 0.003974              | 7.96               | 2645.75              | 785.24            | 0.47         |
| 1     | 6487      | 1%      | Proposed Rocket Lane  | 10580.00         | 636.72            | 647.31            | 645.39            | 647.66            | 0.002981              | 7.09               | 2878.91              | 740.05            | 0.41         |
| 1     | 6487      | 1%      | Mitigated             | 10580.00         | 636.72            | 646.65            | 645.39            | 647.19            | 0.004846              | 8.60               | 2437.00              | 730.79            | 0.52         |
| 1     | 6487      | 1%      | Mitigated Rocket Lane | 10580.00         | 636.72            | 646.65            | 645.39            | 647.19            | 0.004846              | 8.60               | 2437.00              | 730.79            | 0.52         |
| 1     | 6487      | 0.2%    | Corrected             | 14368.00         | 636.72            | 647.70            |                   | 648.19            | 0.004109              | 8.55               | 3252.51              | 810.65            | 0.48         |
| 1     | 6487      | 0.2%    | Proposed              | 14368.00         | 636.72            | 647.71            | 646.49            | 648.21            | 0.004121              | 8.57               | 3172.42              | 743.42            | 0.48         |
| 1     | 6487      | 0.2%    | Corrected Rocket Lane | 14368.00         | 636.72            | 647.70            |                   | 648.19            | 0.004109              | 8.55               | 3252.51              | 810.65            | 0.48         |
| 1     | 6487      | 0.2%    | Proposed Rocket Lane  | 14368.00         | 636.72            | 647.76            | 646.49            | 648.25            | 0.003998              | 8.47               | 3208.98              | 743.84            | 0.48         |
| 1     | 6487      | 0.2%    | Mitigated             | 14368.00         | 636.72            | 647.19            | 646.42            | 647.86            | 0.005791              | 9.79               | 2837.66              | 739.21            | 0.57         |
| 1     | 6487      | 0.2%    | Mitigated Rocket Lane | 14368.00         | 636.72            | 647.19            | 646.42            | 647.86            | 0.005791              | 9.79               | 2837.66              | 739.21            | 0.57         |
| 1     | 6389      | 1%      | Corrected             | 10580.00         | 636.32            | 646.12            |                   | 646.52            | 0.004305              | 8.06               | 3043.98              | 974.16            | 0.49         |
| 1     | 6389      | 1%      | Proposed              | 10580.00         | 636.32            | 646.75            | 645.07            | 647.04            | 0.002664              | 6.65               | 3429.78              | 870.59            | 0.39         |
| 1     | 6389      | 1%      | Corrected Rocket Lane | 10580.00         | 636.32            | 646.12            |                   | 646.52            | 0.004305              | 8.06               | 3043.98              | 974.16            | 0.49         |
| 1     | 6389      | 1%      | Proposed Rocket Lane  | 10580.00         | 636.32            | 646.74            | 645.06            | 647.05            | 0.002801              | 6.81               | 3348.81              | 850.46            | 0.40         |
| 1     | 6389      | 1%      | Mitigated             | 10580.00         | 636.32            | 646.11            | 643.92            | 646.37            | 0.002711              | 6.39               | 3433.60              | 820.40            | 0.38         |
| 1     | 6389      | 1%      | Mitigated Rocket Lane | 10580.00         | 636.32            | 646.11            | 643.92            | 646.37            | 0.002711              | 6.39               | 3433.60              | 820.40            | 0.38         |
| 1     | 6389      | 0.2%    | Corrected             | 14368.00         | 636.32            | 646.86            |                   | 647.28            | 0.004488              | 8.69               | 3789.35              | 1051.71           | 0.50         |
| 1     | 6389      | 0.2%    | Proposed              | 14368.00         | 636.32            | 646.73            | 645.56            | 647.27            | 0.004992              | 9.08               | 3410.92              | 870.28            | 0.53         |
| 1     | 6389      | 0.2%    | Corrected Rocket Lane | 14368.00         | 636.32            | 646.86            |                   | 647.28            | 0.004488              | 8.69               | 3789.35              | 1051.71           | 0.50         |

# National Flood Hazard Layer FIRMette



98°18'11"W 29°30'44"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

98°17'33"W 29°30'12"N

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

|                             |  |   |
|-----------------------------|--|---|
| SPECIAL FLOOD HAZARD AREAS  |  | Without Base Flood Elevation (BFE)<br>Zone A, V, A99  |
|                             |  | With BFE or Depth Zone AE, AO, AH, VE, AR   |
|                             |  | Regulatory Floodway   |
| OTHER AREAS OF FLOOD HAZARD |  | 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X |
|                             |  | Future Conditions 1% Annual Chance Flood Hazard Zone X  |
|                             |  | Area with Reduced Flood Risk due to Levee. See Notes. Zone X  |
|                             |  | Area with Flood Risk due to Levee Zone D  |
| OTHER AREAS                 |  | NO SCREEN Area of Minimal Flood Hazard Zone X   |
|                             |  | Effective LOMRs   |
| GENERAL STRUCTURES          |  | Area of Undetermined Flood Hazard Zone D  |
|                             |  | Channel, Culvert, or Storm Sewer  |
|                             |  | Levee, Dike, or Floodwall   |
| OTHER FEATURES              |  | 20.2 Cross Sections with 1% Annual Chance Water Surface Elevation   |
|                             |  | 17.5 Cross Sections with 1% Annual Chance Water Surface Elevation   |
|                             |  | Coastal Transect  |
|                             |  | Base Flood Elevation Line (BFE)   |
|                             |  | Limit of Study  |
|                             |  | Jurisdiction Boundary   |
| MAP PANELS                  |  | Digital Data Available  |
|                             |  | No Digital Data Available   |
|                             |  | Unmapped  |



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/7/2021 at 5:22 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



Jon Niermann, *Chairman*  
Emily Lindley, *Commissioner*  
Bobby Janecka, *Commissioner*  
Toby Baker, *Executive Director*



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

March 10, 2022

Kendall Wayne King, P.E.  
Freese and Nichols, Inc.  
9601 McAallister Freeway, Suite 1008  
San Antonio, Texas 78216

Re: San Antonio River Authority  
Salitrillo Wastewater Treatment Plant Expansion Project  
Permit No. WQ0010749-001  
WWPR Log No. 1221/015  
CN600790620, RN101514560  
Bexar County

Dear Mr. King:

On December 3, 2021, TCEQ received the project summary transmittal letter dated November 30, 2021 detailing an expansion project at the San Antonio River Authority Salitrillo wastewater treatment plant in Bexar County, Texas. This expansion project is designed to bring the treatable average daily flow to the current permitted final phase of 7.33 MGD with a corresponding peak daily flow of 18.33 MGD. The plant must produce an effluent to meet permitted effluent concentration limits of 7 mg/l for CBOD<sub>5</sub>, 15 mg/l for TSS, 2 mg/l for NH<sub>3</sub>-N, and 126 cfu/100 ml for E. coli while maintaining a minimum dissolved oxygen concentration of 6.0 mg/l. The specific details within the scope of the expansion project are listed below.

The treatment plant currently consists of what is labeled as the upper plant and the lower plant. After this expansion project the influent treatable flow is to be split between the upper and lower plants for treatment in accordance with the values in the following table.

| Plant       | Treatable Average Daily Flow<br>(MGD) | Peak Daily Flow<br>(MGD) |
|-------------|---------------------------------------|--------------------------|
| Upper (31%) | 2.30                                  | 4.23                     |
| Lower (69%) | 5.03                                  | 14.10                    |

Kendall Wayne King, P.E.

Page 2

March 10, 2022

The upper plant consists of:

- 1 aeration carousel treatment train; carousel 17, volume of 1,400,000 gallons

The lower plant consists of:

- 2 oxidation ditches; ditches 27 and 37; each with a volume of 1,000,000 gallons
- 2 aeration carousels; carousel 47 and 57; each with a volume of 920,000 gallons
- Oxidation ditch handle 40.6 % of flow while aeration carousels handle 59.4% of flow

The rules which regulate the design, installation and testing of domestic wastewater projects are found in 30 TAC, Chapter 217, of the Texas Commission on Environmental Quality (TCEQ) rules titled, Design Criteria for Wastewater Systems.

The detailed work efforts of the expansion project include the following items:

#### Upper Plant

- Upper Plant Lift Station
  - o Decommissioning the 25, 25 and 40 HP motors
  - o Installing 3-50 HP motors; 2 duty, 1 standby
  - o 2.3 MGD per pump motor, 4.23 MGD firm capacity
  - o Associated belt sheave replacement
  - o Miscellaneous piping and valve improvements
- Aeration Carousel
  - o Replacement and upsizing of 3 mechanical aerators
  - o Replacing the 3 60 HP single speed aerators with 3 100 HP aerators with VFDs
- UV disinfection equipment
  - o Removing existing upper plant UV disinfection equipment
  - o Installing new combined flow UV disinfection basin to treat upper and lower plant
- Post Aeration
  - o Removing existing post aeration equipment
  - o Installing a new combined upper and lower flow post aeration
- The current expansion project will not include any changes to the headworks fine screen unit or 90 ft. secondary clarifier which are part of the existing upper plant treatment train
- 

#### Lower Plant

- Lower Plant Lift Station
  - o Replacing existing single speed 60 HP 54-inch screw pump, currently out of service
  - o Installing in-kind replacement; yielding 3 serviceable pumps
  - o Needed to maintain lower plant firm capacity of 14.1 MGD (2 duty, 1 standby)



Lower Plant con't

- Aeration Carousels
  - o Replacement and upsizing the 4 existing mechanical aerators
  - o Upsize the aerators from 60 HP to 100 HP with VFD
- Secondary Clarification
  - o Install 2 new 100 ft. diameter clarifiers, 14 ft. SWD
  - o New RAS/WAS pump station
- UV disinfection equipment
  - o Removing existing upper plant UV disinfection equipment
  - o Installing new combined UV disinfection basin to treat upper and lower plant flows
- Post Aeration
  - o Removing existing post aeration equipment
  - o Installing a new combined upper and lower flow post aeration
- Non-potable Water Pumps (NPW)
  - o Remove exist lower plant NPW pumps
- The current expansion project will not include any changes to the headworks mechanical screen, headworks grit removal system, either of the 2 oxidation ditches, or the 2 existing 100 ft. diameter secondary clarifiers which are part of the existing upper plant treatment

Combined Processes (treat flows from both upper and lower plants)

- UV disinfection
  - o New combined UV system sized to treat the combine 7.33 MGD ADF and 18.33 MGD PDF, Trojan UV Signa System
  - o 2 channels, 3 UV bulb banks per channel, 12 UV lamps per bank
  - o Lamp output 30 mJ/cm<sup>2</sup> at peak flow of 18.33 MGD, 1000-watt LPHO
  - o One redundant bank per channel
- Post Aeration
  - o Install combined post aeration basin
  - o Install 2 rotary lobe blowers and retrievable fine bubble diffusers
  - o Will achieve 6.0 mg/l dissolved oxygen
- Non-potable Water (NPW) Pumps
  - o Install new NPW pumps system on combined process flow downstream of proposed new UV system
  - o Reconnect lower plant distribution system
  - o Install new NPW distribution system to upper plant
- Effluent Flume (new)
  - o Abandon existing effluent flume
  - o Install new effluent flume at new combined UV disinfection/Post Aeration/Effluent pump structure

Combined Processes cont'd

- Floodplain Protection
  - o Install effluent pump station 4 submersible 40 HP single speed pumps (3 duty, 1 standby)
  - o firm capacity 18.99 MGD
  - o Discharge header for each pump to a raised channel
- Reuse Pumps
  - o Install new 6-inch combined suction piping from proposed diversion manhole on 36-inch effluent line
- Plant Drain Lift Station
  - o Install new 6 ft. diameter plant drain lift station
  - o Pumps drain flow from proposed secondary clarifiers, proposed UV disinfection system, future backwash filters, and proposed secondary clarifier sump lines back to lower plant influent lift station/sludge vault
- Installation of various site process piping, and site electrical improvements as needed to accommodate the process upgrades

The submitted summary transmittal letter also contained 2 requests for variances to 30 TAC Chapter 217 requirements.

- The first requested variance was to 30 TAC 217.328(c) which states a wastewater treatment plant must be accessible by truck during all weather conditions and must have at least one all-weather access road with the driving surface situated above the 100-year flood plain. Currently there is one existing all-weather access road for the plant, the driving surface is currently situated below the 100-year flood plain. The San Antonio River Authority is processing updates to the East Salitrillo Creek Watershed to incorporate Atlas-14 rainfall data and is requesting to defer implementing an improvement to raise the driving surface of the access road and not including this task within the scope of this expansion project and shifting it to a subsequent project in the next 5 years once the models are updated if the results of the updated models show the existing plant access road remains lying below the updated 100-year flood plain level. The existing plant access road is the original access road built in 1973 which has been raised approximately 1 foot in 1982 as part of an expansion project completed at that time. Possibilities exist where a 350 ft. portion of the road would be anywhere from 0.5 ft. to 3.0 ft. below the 100-year flood plain; this would probably mean that a second or new access road would be needed. The work needed for this effort would not allow for the completion of all the work needed to allow for the expansion of the treatment trains to treat the 7.33 MGD ADF and 18.33 MGD PDF flows. The River Authority is requesting to phase the completion of this second access road in the next 5 years which would allow for the design of the access road to account for the updated rain fall data, flood plain level updates and any changes to existing roads from which the access road would

connect. **Given the reasons provide, TCEQ is conditionally granting the requested variance. The conditions of granting this variance are:**

- **on a yearly basis the River Authority must document the progress of the modelling with results, any pertinent changes to roads leading to the access and the design of new access road. This documentation should be maintained at both the River Authority office and on-site at the wastewater plant and made available on request to any TCEQ personnel**
  - **The site must be safely accessible to staff during any storm causing the existing access road to be non-navigable**
- The second requested variance is to 30 TAC 217.61(f)(2) which states “a self- priming pump must use a suction pipe that produces flow with a velocity of at least 3.0 fps but not more than 8.0 fps”. The existing 8-inch ductile iron discharging piping at the existing upper plant lift station will produce a maximum velocity of 10.54 fps with the proposed motor upsize at the existing centrifugal pumps. The pump manufacturer has reviewed all pump output data for the designed 8-inch suction pipe with the upsized pump motors and has confirmed the design to be acceptable. **Given that the pump manufacturer confirms proper pump operation within the proposed upper velocity TCEQ is conditionally granting this requested variance for exceeding the upper velocity value without incurring the additional cost of changing the piping from the existing pipes in the lift station.**

**The TCEQ review of the submitted project design and summary transmittal letter seems to indicate that with the inclusion of the granted variances the project as submitted meets at least the minimum requirements of 30 TAC Chapter 217: Design Criteria for Wastewater Systems. Given the result of the TCEQ review the project, as submitted, is conditionally approved for completion.**

You must keep certain materials on file for the life of the project and provide them to TCEQ upon request. These materials include an engineering report, test results, a summary transmittal letter, and the final version of the project plans and specifications. These materials shall be prepared and sealed by a Professional Engineer licensed in the State of Texas and must show substantial compliance with Chapter 217. All plans and specifications must conform to any waste discharge requirements authorized in a permit by the TCEQ. Certain specific items which shall be addressed in the engineering report are discussed in §217.10. Additionally, the engineering report must include all constants, graphs, equations, and calculations needed to show substantial compliance with Chapter 217.

Kendall Wayne King, P.E.

Page 6

March 10, 2022

If in the future, additional variances from the Chapter 217 requirements are desired for the project, each variance must be requested in writing by the design engineer. Then, the TCEQ will consider granting a written approval to the variance from the rules for the specific project and the specific circumstances.

Within 60 days of the completion of construction, an appointed engineer shall notify both the Wastewater Permits Section of the TCEQ and the appropriate Region Office of the date of completion. The engineer shall also provide written certification that all construction, materials, and equipment were substantially in accordance with the approved project, the rules of the TCEQ, and any change orders filed with the TCEQ. All notifications, certifications, and change orders must include the signed and dated seal of a Professional Engineer licensed in the State of Texas.

Please be reminded of 30 TAC §217.7(a) of the rules which states, "Approval given by the executive director or other authorized review authority does not relieve an owner of any liability or responsibility with respect to designing, constructing, or operating a collection system or treatment facility in accordance with applicable commission rules and the associated wastewater permit".

If you have any questions, or if we can be of any further assistance, please call me at (512) 239-1372.

Sincerely,  


Paul A. Brochi, P.E.  
Wastewater Permits Section (MC 148)  
Water Quality Division  
Texas Commission on Environmental Quality

PAB/tc

Salitrillo Wastewater Discharge Permit Renewal 02/2025  
TPDES No. WQ0010749-001 (EPA I.D. TX0053074)

## Attachment 20

### Summary of Agreed Orders

Reference: Domestic Technical Report 1.0

### Section 12B

Salitrillo WWTP

WQ0010749-001

San Antonio River Authority

## **Summary of Agreed Orders**

### **Agreed Order Docket No. 2020-0336-MWD-E**

In reference to Agreed Order Docket No. 2020-0336-MWD-E an investigation was conducted on December 12, 2019, due to a pump that lost prime within the Facility's reclaimed water system which caused chlorinated reclaimed water to backflow through the effluent flume and into the discharge channel. The discharge was approximately 3,466,114 gallons of chlorinated reclaimed water, killing approximately 1,028 fish. The discharge was ceased, and the reclaimed water system was temporarily deactivated to ensure that any backflow of chlorinated reclaimed water was diverted to the Facility's headworks for treatment. Affected areas were cleaned and the dead fish were removed and disposed. Due to the Order, a penalty was assessed of \$20,000. To offset this penalty, the San Antonio River Authority completed a Supplemental Environmental Project (SEP) as defined in the SEP Agreement on December 21, 2021. The Order assessed on December 15, 2021, will terminate five years from the effective date and remains active.

### **Agreed Order Docket No. 2021-1395-MWD-E**

In reference to Agreed Order Docket No. 2021-1395-MWD-E an investigation was conducted on August 4, 2021, through August 5, 2021, due to a blockage in the collection system which caused an overflow discharge of approximately 20,000 gallons from a manhole located near the intersection of Kitty Hawk Road and Misti Ridge Drive in Converse, TX. The overflow discharged into an unnamed tributary/drainage ditch, killing approximately 23 fish. The discharge was ceased and contaminated water from the discharge was pumped back into a nearby San Antonio River Authority manhole. Affected areas were cleaned and disinfected and the dead fish were removed and disposed. Due to the Order, a penalty was assessed of \$12,500. To offset this penalty, the San Antonio River Authority completed a Supplemental Environmental Project (SEP) as defined in the SEP Agreement on October 1, 2022. The Order assessed on January 10, 2024, will terminate five years from the effective date and remains active.

## Rainee Trevino

---

**From:** Ernest Munoz <emunoz@sariverauthority.org>  
**Sent:** Tuesday, February 18, 2025 10:57 AM  
**To:** Rainee Trevino; Leamon Anderson  
**Cc:** Daniel Flores; Katherine Overstreet  
**Subject:** RE: [EXTERNAL] Application to Renew Permit No. WQ0010749001-Notice of Deficiency Letter  
**Attachments:** Revised Attachment 6\_DTR 1.0.pdf; Section 10.pdf; Revised Attachment 4\_Salitrillo USGS Map.pdf; Municipal Discharge Renewal Spanish NORI (003).docx; wq0010749001-nod1 (002).pdf  
**Categories:** NOD Response Review

Good morning, Ms. Trevino.

The items listed in the Notice of Deficiency letter sent on February 13, 2025, have been reviewed, revised, and completed. Item 4 of the letter is correct, and the portion of the NORI has been translated into Spanish.

Please respond to this email if there is any additional information you may need.

Thank you,

### Ernest Muñoz

Quality Control Operator  
San Antonio River Authority  
1720 FM 1516 North  
San Antonio, TX 78209  
(210) 302-4262 ph  
(210) 373-1336 cell  
[emunoz@sariverauthority.org](mailto:emunoz@sariverauthority.org)



Please consider the environment before printing this email.

---

**From:** Rainee Trevino <Rainee.Trevino@tceq.texas.gov>  
**Sent:** Thursday, February 13, 2025 11:38 AM  
**To:** Leamon Anderson <landerson@sariverauthority.org>  
**Cc:** Ernest Munoz <emunoz@sariverauthority.org>  
**Subject:** [EXTERNAL] Application to Renew Permit No. WQ0010749001-Notice of Deficiency Letter

External Email: Beware of links/attachments.

## Rainee Trevino

---

**From:** Ernest Munoz <emunoz@sariverauthority.org>  
**Sent:** Wednesday, February 26, 2025 7:28 AM  
**To:** Rainee Trevino; Leamon Anderson  
**Cc:** Daniel Flores; Katherine Overstreet  
**Subject:** RE: [EXTERNAL] Application to Renew Permit No. WQ0010749001-Notice of Deficiency Letter

Good morning,

The correct name is Salitrillo Creek.

Thank you,

### Ernest Muñoz

Quality Control Operator  
San Antonio River Authority  
1720 FM 1516 North  
San Antonio, TX 78209  
(210) 302-4262 ph  
(210) 373-1336 cell  
[emunoz@sariverauthority.org](mailto:emunoz@sariverauthority.org)



Please consider the environment before printing this email.

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**From:** Rainee Trevino <Rainee.Trevino@tceq.texas.gov>  
**Sent:** Tuesday, February 25, 2025 4:15 PM  
**To:** Ernest Munoz <emunoz@sariverauthority.org>; Leamon Anderson <landerson@sariverauthority.org>  
**Cc:** Daniel Flores <danielf@sariverauthority.org>; Katherine Overstreet <koverstreet@sariverauthority.org>  
**Subject:** RE: [EXTERNAL] Application to Renew Permit No. WQ0010749001-Notice of Deficiency Letter

Good afternoon,

I wanted to clarify the name of the site. Is the correct name “Salatrillo Creek” or “Salitrillo Creek”?

Regards,

### Rainee Trevino

Water Quality Division | ARP Team  
Texas Commission on Environmental Quality  
512-239-4324





---

**From:** Rainee Trevino

**Sent:** Wednesday, February 19, 2025 2:44 PM

**To:** Ernest Munoz <[emunoz@sariverauthority.org](mailto:emunoz@sariverauthority.org)>; Leamon Anderson <[landerson@sariverauthority.org](mailto:landerson@sariverauthority.org)>

**Cc:** Daniel Flores <[danielf@sariverauthority.org](mailto:danielf@sariverauthority.org)>; Katherine Overstreet <[koverstreet@sariverauthority.org](mailto:koverstreet@sariverauthority.org)>

**Subject:** RE: [EXTERNAL] Application to Renew Permit No. WQ0010749001-Notice of Deficiency Letter

Mr. Munoz,

Thanks again for clarifying via phone the phases and flows. This will be fine. All items are now sufficient.

Regards,

**Rainee Trevino**

Water Quality Division | ARP Team

Texas Commission on Environmental Quality

512-239-4324



---

**From:** Rainee Trevino

**Sent:** Wednesday, February 19, 2025 2:19 PM

**To:** Ernest Munoz <[emunoz@sariverauthority.org](mailto:emunoz@sariverauthority.org)>; Leamon Anderson <[landerson@sariverauthority.org](mailto:landerson@sariverauthority.org)>

**Cc:** Daniel Flores <[danielf@sariverauthority.org](mailto:danielf@sariverauthority.org)>; Katherine Overstreet <[koverstreet@sariverauthority.org](mailto:koverstreet@sariverauthority.org)>

**Subject:** RE: [EXTERNAL] Application to Renew Permit No. WQ0010749001-Notice of Deficiency Letter

Good afternoon,

Thank you for your response. I have reviewed the attachments, and all items are now sufficient with the exception for the Technical Report 1.0, Section 1. The revised section submitted is still incorrect. Currently it shows the Interim Phase flow as the Final Phase flow. Please submit a revised Technical Report 1.0 with the correct flow for the Existing/Interim Phase I flow and the Final Phase flow. The deadline for a complete response is 2/27.

Please let me know if you have any questions.

Regards,

**Rainee Trevino**

Water Quality Division | ARP Team  
Texas Commission on Environmental Quality  
512-239-4324



---

**From:** Ernest Munoz <[emunoz@sariverauthority.org](mailto:emunoz@sariverauthority.org)>

**Sent:** Tuesday, February 18, 2025 10:57 AM

**To:** Rainee Trevino <[Rainee.Trevino@tceq.texas.gov](mailto:Rainee.Trevino@tceq.texas.gov)>; Leamon Anderson <[landerson@sariverauthority.org](mailto:landerson@sariverauthority.org)>

**Cc:** Daniel Flores <[danielf@sariverauthority.org](mailto:danielf@sariverauthority.org)>; Katherine Overstreet <[koverstreet@sariverauthority.org](mailto:koverstreet@sariverauthority.org)>

**Subject:** RE: [EXTERNAL] Application to Renew Permit No. WQ0010749001-Notice of Deficiency Letter

Good morning, Ms. Trevino.

The items listed in the Notice of Deficiency letter sent on February 13, 2025, have been reviewed, revised, and completed. Item 4 of the letter is correct, and the portion of the NORI has been translated into Spanish.

Please respond to this email if there is any additional information you may need.

Thank you,

**Ernest Muñoz**

Quality Control Operator  
San Antonio River Authority  
1720 FM 1516 North  
San Antonio, TX 78209  
(210) 302-4262 ph  
(210) 373-1336 cell  
[emunoz@sariverauthority.org](mailto:emunoz@sariverauthority.org)



Please consider the environment before printing this email.

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**From:** Rainee Trevino <[Rainee.Trevino@tceq.texas.gov](mailto:Rainee.Trevino@tceq.texas.gov)>

**Sent:** Thursday, February 13, 2025 11:38 AM

**To:** Leamon Anderson <[landerson@sariverauthority.org](mailto:landerson@sariverauthority.org)>

**Cc:** Ernest Munoz <[emunoz@sariverauthority.org](mailto:emunoz@sariverauthority.org)>

**Subject:** [EXTERNAL] Application to Renew Permit No. WQ0010749001-Notice of Deficiency Letter

**External Email: Beware of links/attachments.**

Good morning,

The attached Notice of Deficiency letter sent on February 13, 2025, requests additional information needed to declare the application administratively complete. Please send the complete response to my attention by February 27, 2025.

Regards,

**Rainee Trevino**

Water Quality Division | ARP Team

Texas Commission on Environmental Quality

512-239-4324



# 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. WQ0010749-001**

**SOLICITUD.** San Antonio River Authority, 100 East Guenther Street, San Antonio, TX 78204, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0010749001 (EPA I.D. No. TX0053074) 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 7,330,000 galones por día. La planta está ubicada en 9638 Schaeffer Road, en la ciudad de Converse, en el Condado de Bexar, Texas. La ruta de descarga es del sitio de la planta a una zanja sin nombre, de allí a Salitrillo Creek, de allí a Martinez Creek Soil Conservation Service Dam No. 6A Reservoir, de allí a Salitrillo Creek, de allí a Martinez Creek, de allí a Lower Cibolo Creek. La TCEQ recibió esta solicitud el 4 de febrero, 2025. La solicitud para el permiso estará disponible para leerla y copiarla en la recepción de San Antonio River Authority Utilities Administration Building, 1720 Farm-to-Market Road 1516 North, Converse, en el Condado de Bexar, Texas antes de la fecha de publicación de este aviso en el periódico. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-98.298611,29.508611&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. Además, puede pedir que la TCEQ ponga su nombre en una o más de las listas de 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 específico. Si desea que se agregue su nombre en una de las listas designe cual lista(s) y envía por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

**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 San Antonio River Authority a la dirección indicada arriba o llamando a Ernest Muñoz, Quality Control Operator al (210) 302-4200.

Fecha de emission: 18 de febrero de 2025

Salitrillo Wastewater Discharge Permit Renewal 02/2025  
TPDES No. WQ0010749-001 (EPA I.D. TX0053074)

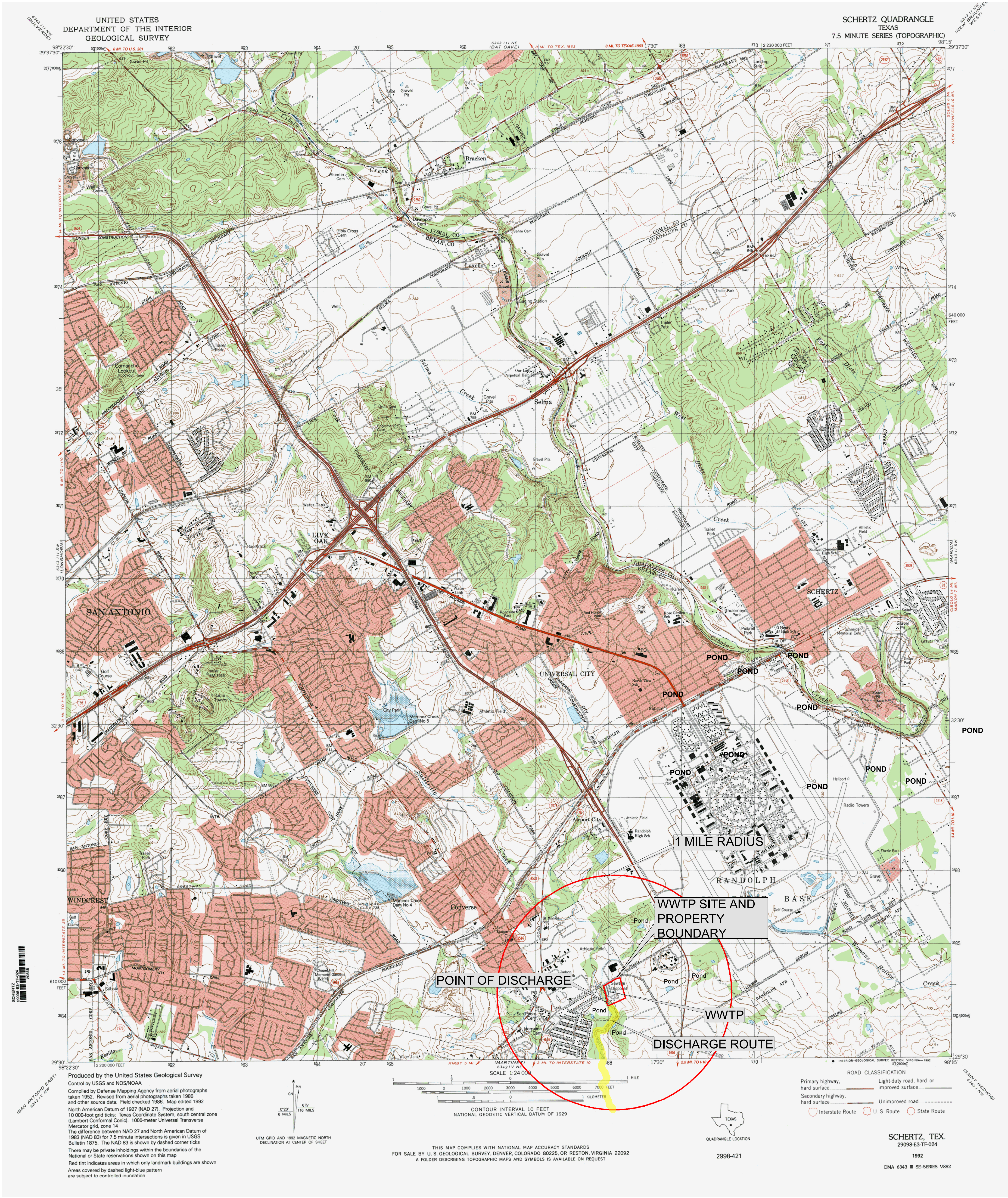
Attachment 4A and 4B

USGS Map and General Location Map

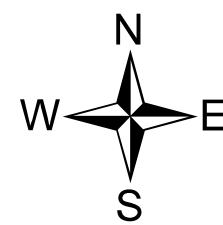
Reference: Supplemental Permit Information Form (SPIF)

TCEQ Form 20971, Item 5



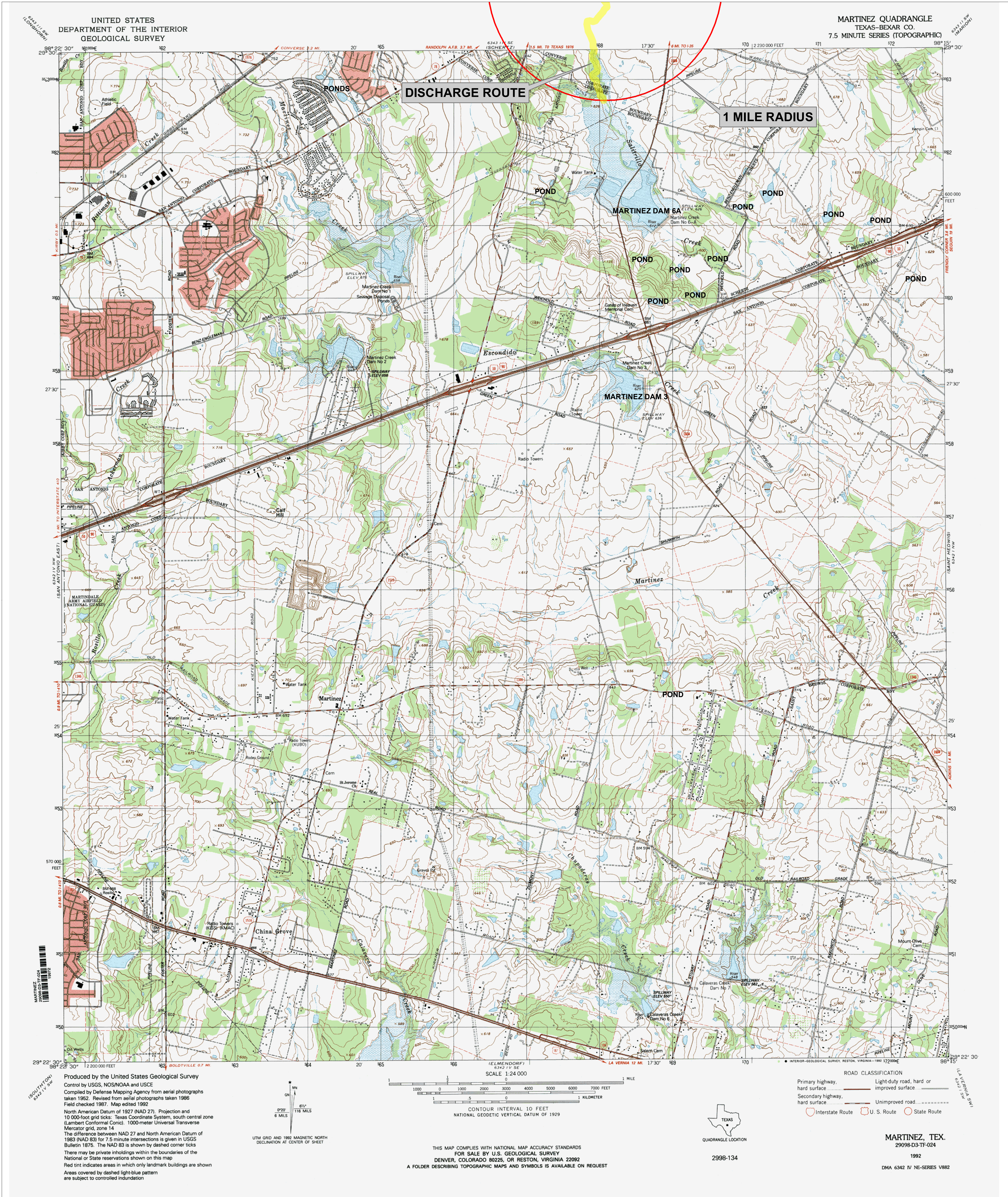


Original USGS Topographic Map

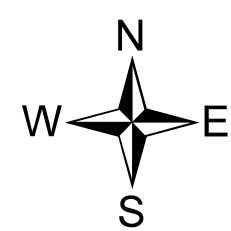


Attachment 4A





Original USGS Topographic Map



Attachment 4B





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 42)

#### A. Existing/Interim I Phase

Design Flow (MGD): 7.33

2-Hr Peak Flow (MGD): 18.33

Estimated construction start date: N/A Estimated  
waste disposal start date: N/A

#### B. Interim II Phase

Design Flow (MGD): N/A

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

Estimated construction start date: N/A Estimated  
waste disposal start date: N/A

#### C. Final Phase

Design Flow (MGD): 7.33

2-Hr Peak Flow (MGD): 18.33

Estimated construction start date: N/A Estimated  
waste disposal start date: N/A

#### D. Current Operating Phase

Provide the startup date of the facility: 08/01/1999

### Section 2. Treatment Process (Instructions Page 42)

#### 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

E. Owner of effluent disposal site:

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

Last Name, First Name: [Click to enter text.](#)

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

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

Organization Name: [Click to enter text.](#)

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

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

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

E-mail Address: [Click to enter text.](#)

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

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

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

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

Last Name, First Name: [Click to enter text.](#)

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

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

Organization Name: [Click to enter text.](#)

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

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

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

E-mail Address: [Click to enter text.](#)

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

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

## Section 10. TPDES Discharge Information (Instructions Page 31)

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

☒

Yes

☐

No

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

[Click to enter text.](#)

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

☒

Yes

☐

No

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

[Click to enter text.](#)

City nearest the outfall(s): Converse, TX

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

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

☐

Yes

☒

No

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

- ☐ Authorization granted      ☐ Authorization pending

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

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

- 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: Bexar, Wilson, Karnes and Goliad.

## Section 11. TLAP Disposal Information (Instructions Page 32)

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

- ☐ Yes      ☐ No

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

[Click to enter text.](#)

- B. City nearest the disposal site: [Click to enter text.](#)

- C. County in which the disposal site is located: [Click to enter text.](#)

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

[Click to enter text.](#)

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

## Section 12. Miscellaneous Information (Instructions Page 32)

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

- ☐ Yes      ☐ No

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

- ☐ Yes      ☐ No      ☐ Not Applicable

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

[Click to enter text.](#)

Good morning,

The attached Notice of Deficiency letter sent on February 13, 2025, requests additional information needed to declare the application administratively complete. Please send the complete response to my attention by February 27, 2025.

Regards,

**Rainee Trevino**

Water Quality Division | ARP Team

Texas Commission on Environmental Quality

512-239-4324

