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.

The City of Pflugerville (CN600412985) operates the Upper Gilleland (Central) Wastewater Treatment Plant (RN101611440), a wastewater treatment plant. The facility is located at 15500 Sun Light Near Way, in Pflugerville, Travis County, Texas 78660. This application is for a renewal to discharge treated domestic wastewater at an annual average flow of 8.5 million gallons per day .

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD5), total suspended solids (TSS), ammonia nitrogen (NH3-N), and Escherichia coli. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent and Domestic Worksheet 4.0 in the permit application package. Domestic wastewater is treated by the following treatment units: coarse screens, fine screen, gravity grit remover, anoxic/anaerobic basins for carrousel basins, carrousel aeration basins, biological nutrient removal carrousel basins, existing

secondary clarifiers, secondary clarifier, cloth media filters, UV disinfection, sludge holding tank, disc thickener, thickened sludge holding tank, and solids handling.

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

AGUAS RESIDUALES DOMÉSTICAS **/AGUAS PLUVIALES**

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

La Ciudad de Pflugerville (CN600412985) opera the Upper Gilleland (Central) Wastewater Treatment Plant (RN101611440), una planta de tratamiento de aguas residuales. La instalación está ubicada en 15500 Sun Light Near Way, en Pflugerville, Condado de Travis, Texas 78660. Esta solicitud es para una renovación para descargar aguas residuales domésticas tratadas a un flujo promedio anual de 8.5 millones de galones por día.

Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno carbonoso (CBOD5) de cinco días, sólidos suspendidos totales (SST), nitrógeno amoniacal (NH3-N) y Escherichia coli. Se incluyen contaminantes potenciales adicionales en el Informe Técnico Nacional 1.0, Sección 7. Análisis de Contaminantes del Efluente Tratado y Hoja de Trabajo Doméstico 4.0 en el paquete de solicitud de permiso. Las aguas residuales domésticas son tratadas mediante las siguientes unidades de tratamiento: cribas gruesas, cribas finas, removedor de arena por gravedad, cuencas anóxicas/anaeróbicas para cuencas de carrusel, cuencas de aireación de carrusel, cuencas de carrusel de eliminación biológica de nutrientes, clarificadores secundarios existentes, clarificador secundario, filtros de medios de tela, desinfección UV, tanque de retención de lodos, espesador de disco, tanque de retención de lodos espesados y manejo de sólidos

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

PERMIT NO. WQ0011845002

APPLICATION. City of Pflugerville, P.O. Box 589, Pflugerville, Texas 78691, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0011845002 (EPA I.D. No. TX0094927) to authorize the discharge of treated wastewater at a volume not to exceed an annual average flow of 10,000,000 gallons per day. The domestic wastewater treatment facility is located at 15500 B Sun Light Near Way, in the city of Pflugerville, in Travis County, Texas 78660. The discharge route is from the plant site to Gilleland Creek; thence to Colorado River Below Lady Bird Lake. TCEQ received this application on May 19, 2025. The permit application will be available for viewing and copying at City of Pflugerville City Hall, City Managers Office, 100 East Main Street, Suite 300, Pflugerville, in Travis County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.604444,30.419166&level=18

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

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

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

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

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

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

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

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

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

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

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

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

Further information may also be obtained from City of Pflugerville at the address stated above or by calling Mr. Brandon Pritchett, Public Utilities Director, at 512-990-6402

Issuance Date: June 4, 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. WQ0011845002

SOLICITUD. Ciudad de Pflugerville, P.O. Box 589, Pflugerville, Texas 78691, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0011845002 (EPA I.D. No. TX 0094927) 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 anual diario de 10,000,000 galones por día. La planta está ubicada en 15500 B Sun Light Near Way, en la ciudad de Pflugerville, en el Condado de Travis, Texas 78660. La ruta de descarga es del sitio de la planta a hasta Gilleland Creek; de allí al Colorado River Below Lady Bird Lake . La TCEQ recibió esta solicitud el 19 de mayo de 2025. La solicitud para el permiso estará disponible para leerla y copiarla en Ayuntamiento de la ciudad de Pflugerville, Oficina del administrador de la ciudad, 100 East Main Street, Suite 300, Pflugerville en el condado de Travis, Texas, antes de la fecha de publicación de este aviso en el periódico. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.
https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.604444,30.419166&level=18

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

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

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

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

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

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

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

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

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

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

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

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

También se puede obtener información adicional del Ciudad de Pflugerville a la dirección indicada arriba o llamando a Sr. Brandon Pritchett, Director de Servicios Públicos, al 512-990-6400.

Fecha de emisión: 4 de junio de 5025

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

May 19, 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: ER037555
Application Reference Number: 786927
Authorization Number: WQ0011845002
Site Name: Central WWTP
Regulated Entity: RN101611440 - City of Pflugerville Upper Gilleland
Customer(s): CN600412985 - City of Pflugerville

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 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

WQ0011845002

Site Information (Regulated Entity)

What is the name of the site to be authorized?	CENTRAL WWTP
Does the site have a physical address?	No
Because there is no physical address, describe how to locate this site:	15500 B SUN LIGHT NEAR WAY PFLUGERVILLE TX 78660
City	PFLUGERVILLE
State	TX
ZIP	78660
County	TRAVIS
Latitude (N) (##.######)	30.419166
Longitude (W) (-###.######)	-97.604444
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)?	RN101611440
What is the name of the Regulated Entity (RE)?	CITY OF PFLUGERVILLE UPPER GILLELAND
Does the RE site have a physical address?	No
Physical Address	
Because there is no physical address, describe how to locate this site:	APPROXIMATELY 1.7 MILES SE OF PFLUGERVILL AND APPROXIMATELY 1 MILE SE OF THE INTERSECTION OF DESSAU RD AND FM1825
City	PFLUGERVILLE
State	TX
ZIP	78660
County	TRAVIS
Latitude (N) (##.######)	
Longitude (W) (-###.######)	
Facility NAICS Code	
What is the primary business of this entity?	DOMESTIC

City of-Customer (Applicant) Information (Owner)

How is this applicant associated with this site?	Owner
What is the applicant's Customer Number (CN)?	CN600412985
Type of Customer	City Government
Full legal name of the applicant:	
Legal Name	City of Pflugerville
Texas SOS Filing Number	
Federal Tax ID	741737408
State Franchise Tax ID	
State Sales Tax ID	
Local Tax ID	
DUNS Number	
Number of Employees	101-250
Independently Owned and Operated?	
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	City of Pflugerville
Prefix	MR
First	Brandon
Middle	
Last	Pritchett
Suffix	
Credentials	
Title	Public Utility Director
Responsible Authority Mailing Address	
Enter new address or copy one from list:	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 589
Routing (such as Mail Code, Dept., or Attn:)	
City	PFLUGERVILLE
State	TX
ZIP	78691
Phone (###-###-####)	5129906402
Extension	

Alternate Phone (###-###-####)	
Fax (###-###-####)	5129891052
E-mail	BRANDONP@PFLUGERVILLETX.GOV

Billing Contact

Responsible contact for receiving billing statements:	
Select the permittee that is responsible for payment of the annual fee.	CN600412985, City of Pflugerville
Organization Name	CITY OF PFLUGERVILLE
Prefix	
First	
Middle	
Last	
Suffix	
Credentials	
Title	
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 589
Routing (such as Mail Code, Dept., or Attn:)	
City	PFLUGERVILLE
State	TX
ZIP	78691
Phone (###-###-####)	5129906400
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	5129891052
E-mail	BRANDONP@PFLUGERVILLETX.GOV

Application Contact

Person TCEQ should contact for questions about this application:	
Same as another contact?	
Organization Name	CITY OF PFLUGERVILLE
Prefix	MR
First	Brandon

Middle	
Last	Pritchett
Suffix	
Credentials	
Title	Public Utility Director
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 589
Routing (such as Mail Code, Dept., or Attn:)	
City	PFLUGERVILLE
State	TX
ZIP	78691
Phone (###-###-####)	5129906400
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	5129891052
E-mail	BRANDONP@PFLUGERVILLETX.GOV

Technical Contact

Person TCEQ should contact for questions about this application:	
Same as another contact?	
Organization Name	FREESE AND NICHOLS INC
Prefix	MRS
First	KATIE
Middle	
Last	LEATHERWOOD
Suffix	
Credentials	PG
Title	ENVIRONMENTAL SCIENTIST
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	801 CHERRY ST
Routing (such as Mail Code, Dept., or Attn:)	Suite 2800
City	FORT WORTH

State	TX
ZIP	76102
Phone (###-###-####)	8177357503
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	8177357492
E-mail	KATIE.LEATHERWOOD@FREESE.COM

DMR Contact

Person responsible for submitting Discharge Monitoring Report Forms:

Same as another contact?	
Organization Name	City of Pflugerville
Prefix	MR
First	Matt
Middle	
Last	Johns
Suffix	
Credentials	
Title	Utilities Superintendent
Enter new address or copy one from list:	Application Contact

Mailing Address:

Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 589
Routing (such as Mail Code, Dept., or Attn:)	
City	PFLUGERVILLE
State	TX
ZIP	78691
Phone (###-###-####)	5129906400
Extension	6428
Alternate Phone (###-###-####)	
Fax (###-###-####)	5129891052
E-mail	MATTJ@PFLUGERVILLETX.GOV

Section 1# Permit Contact

Permit Contact#: 1

Person TCEQ should contact throughout the permit term.

1) Same as another contact?	Application Contact
2) Organization Name	CITY OF PFLUGERVILLE
3) Prefix	MR
4) First	Brandon
5) Middle	
6) Last	Pritchett
7) Suffix	
8) Credentials	
9) Title	Public Utility Director

Mailing Address

10) Enter new address or copy one from list	
11) Address Type	Domestic
11.1) Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 589
11.2) Routing (such as Mail Code, Dept., or Attn:)	
11.3) City	PFLUGERVILLE
11.4) State	TX
11.5) ZIP	78691
12) Phone (###-###-####)	5129906402
13) Extension	
14) Alternate Phone (###-###-####)	
15) Fax (###-###-####)	
16) E-mail	BRANDONP@PFLUGERVILLETX.GOV

Owner Information

Owner of Treatment Facility

1) Prefix	
2) First and Last Name	
3) Organization Name	CITY OF PFLUGERVILLE
4) Mailing Address	P.O. Box 589
5) City	Pflugerville
6) State	TX
7) Zip Code	78691
8) Phone (###-###-####)	5129906400
9) Extension	
10) Email	BRANDONP@PFLUGERVILLETX.GOV

11) What is ownership of the treatment facility?	Public
Owner of Land (where treatment facility is or will be)	
12) Prefix	
13) First and Last Name	
14) Organization Name	CITY OF PFLUGERVILLE
15) Mailing Address	P.O. BOX 589
16) City	PFLUGERVILLE
17) State	TX
18) Zip Code	78691
19) Phone (###-###-####)	5129906400
20) Extension	
21) Email	BRANDONP@PFLUGERVILLETX.GOV
22) Is the landowner the same person as the facility owner or co-applicant?	Yes

General Information Renewal-Amendment

1) Current authorization expiration date:	11/13/2025
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?	10
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?	TX0094927
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):	Pflugerville
6.5) County where the outfalls are located:	TRAVIS
6.6) Is or will the treated wastewater discharge to a city, county, or state highway right-of-way, or a flood control district drainage ditch?	No
6.7) Is the daily average discharge at your facility of 5 MGD or more?	Yes
6.7.1) Provide the names of all counties located within 100 statute miles downstream of the point(s) of discharge:	TRAVIS|BASTROP
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	Brandon Pritchett
3) Credential	
4) Title	Public Utility Manager
5) Organization Name	City of Pflugerville
6) Mailing Address	PO BOX 589
7) Address Line 2	
8) City	PFLUGERVILLE
9) State	TX
10) Zip Code	78691
11) Phone (###-###-####)	5129906402
12) Extension	
13) Fax (###-###-####)	
14) Email	brandonp@pflugervilletx.gov
Contact person to be listed in the Notices	
15) Prefix	MR
16) First and Last Name	Brandon Pritchett
17) Credential	
18) Title	Public Utility Director
19) Organization Name	City of Pflugerville
20) Phone (###-###-####)	5129906402
21) Fax (###-###-####)	
22) Email	brandonp@pflugervilletx.gov
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	TRAVIS
2) Public building name	City Hall
3) Location within the building	City Managers Office
4) Physical Address of Building	100 East Main Street, Suite 300
5) City	Pflugerville
6) Contact Name	Trista Evans
7) Phone (###-###-####)	5129906103
8) Extension	
9) Is the location open to the public?	Yes

Plain Language

1) Plain Language	
[File Properties]	
File Name	LANG_20972_PLS_2024-11-08 (1).pdf
Hash	156C6BA1D3285FD83FD0845166A4AD79DCBFC1246EBAB05B724BAF6664DA6232
MIME-Type	application/pdf

Supplemental Permit Information Form

1) Supplemental Permit Information Form (SPIF)	
[File Properties]	
File Name	SPIF_SPIF 20971.pdf
Hash	0A4DE0BEA7B0D71653BE1915D339F50414143ED60CA14701AD0120E67126AFF3
MIME-Type	application/pdf
[File Properties]	
File Name	SPIF_Fig2_SPIF_Topo.pdf
Hash	F52C52A78373DE0D08676EF0763D9D93F9C632F2A6671CE9B86B6940C178E1B1
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_Fig1_Topo.pdf
Hash	94675E1E5650CE9B2D4051DF80490DF90AACDBCDF08E4874698A7309AAF5A83E
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_10054 Tech Final.pdf
Hash	C458F136E841D1C48FDB3CE3483DADF2B9280898526FDFC6B38F6E19321C59D8
MIME-Type	application/pdf

3) Buffer Zone Map

4) Flow Diagram

[File Properties]

File Name	FLDIA_Pages from City of Pflugerville WWTP Renewal Application_V2.pdf
Hash	D2EE57925274C06A81ADC799F54578AF88058ECA239AFAEC4BE6C1C3DA321F88
MIME-Type	application/pdf

5) Site Drawing

[File Properties]

File Name	SITEDR_Fig3_Site_Drawing.pdf
Hash	E2229B0C14C557F8743BBC4885058B7422C0F1F8796134B80E9FE74B97DAF115
MIME-Type	application/pdf

6) Design Calculations

[File Properties]

File Name	DES_CAL_Updated treatment process diagram.pdf
Hash	A0D2C894181FC6A058910F17572457ABF6CF527874BCDCF478A434A9C9431978
MIME-Type	application/pdf

7) Solids Management Plan

[File Properties]

File Name	SMP_Pages from WQ0011845002 Final Revised Application.pdf
Hash	0FD1304E77F00BEA6AECF7EC503A4D77348CE524557E6ACA24DEAB570A5D5455
MIME-Type	application/pdf

8) Water Balance

9) Other Attachments

[File Properties]

File Name	OTHER_Technical Report and Attachments.pdf
Hash	F9E5B77D03E07F8FECED67E94ED497EB5AF0E50FBF42981F3159B667568CA5E7
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 Brandon Pritchett, the owner of the STEERS account ER071931.
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 WQ0011845002.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEQ.

OWNER Signature: Brandon Pritchett OWNER

Customer Number:	CN600412985
Legal Name:	City of Pflugerville

Account Number:	ER071931
Signature IP Address:	173.219.36.130
Signature Date:	2025-05-19
Signature Hash:	530D9D2C079C9E5B0268FF1224EFD95B946782CC0CA0B714A9B052307A4B22B5
Form Hash Code at time of Signature:	004E17E73D04DE2942076E97B4CF3CA8999A951E31C33E2C14C9D6B0E57E8EBC

Fee Payment

Transaction by:	The application fee payment transaction was made by ER071931/Brandon Pritchett
Paid by:	The application fee was paid by BRANDON PRITCHETT
Fee Amount:	$2000.00
Paid Date:	The application fee was paid on 2025-05-19
Transaction/Voucher number:	The transaction number is 582EA000668586 and the voucher number is 767121

Submission

Reference Number:	The application reference number is 786927
Submitted by:	The application was submitted by ER037555/Katie Leatherwood
Submitted Timestamp:	The application was submitted on 2025-05-19 at 09:55:49 CDT
Submitted From:	The application was submitted from IP address 97.75.108.6
Confirmation Number:	The confirmation number is 653836
Steers Version:	The STEERS version is 6.91
Permit Number:	The permit number is WQ0011845002

Additional Information

Application Creator: This account was created by Katie Leatherwood

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

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

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

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

A. Existing/Interim I Phase

Design Flow (MGD): 5.3

2-Hr Peak Flow (MGD): 17.4

Estimated construction start date: Click to enter text.

Estimated waste disposal start date: Click to enter text.

B. Interim II Phase

Design Flow (MGD): 7.25

2-Hr Peak Flow (MGD): 24.92

Estimated construction start date: Currently in operation

Estimated waste disposal start date: Currently in operation

C. Interim III Phase

Design Flow (MGD): 8.5

2-Hr Peak Flow (MGD): 30

Estimated construction start date: 2027

Estimated waste disposal start date: 2028

D. Final Phase

Design Flow (MGD): 10

2-Hr Peak Flow (MGD): 35

Estimated construction start date: 2035

Estimated waste disposal start date: 2035

E. Current Operating Phase

Provide the startup date of the facility: 1987

Section 2. Treatment Process (Instructions Page 43)

A. Current Operating Phase

Provide a detailed description of the treatment process. **Include the type of treatment plant, mode of operation, and all treatment units.** Start with the plant's head works and finish with the point of discharge. Include all sludge processing and drying units. **If more than one phase exists or is proposed, a description of *each phase* must be provided**.

Treatment process is included in Attachment TR-1.

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)
	Attachment TR-2	

C. Process Flow Diagram

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

Attachment: TR-3

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

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

- Latitude: 30.418993
- Longitude: -97.604447

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: TR-4

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

City of Pflugerville – sewer CCN boundary

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
Central	City of Pflugerville	Publicly Owned	3**7,050**
Wilbarger	City of Pflugerville	Publicly Owned	30,665
Cottonwood	City of Pflugerville	Publicly Owned	2,110

Section 4. Unbuilt Phases (Instructions Page 45)

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

☒ Yes ☐ No

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

☐ Yes ☒ No

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

The facility is currently operating in the 7.25 MGD phase. It is anticipated the facility will reach the 8.5 MGD in about 3 years. To operate in the 8.5 MGD and 10 MGD phases, some plant modifications will be needed.

Section 5. Closure Plans (Instructions Page 45)

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

N/A

Section 6. Permit Specific Requirements (Instructions Page 45)

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

A. Summary transmittal

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

☒ Yes ☐ No

If yes, provide the date(s) of approval for each phase: July 29, 2022

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**.

The most recent Summary Transmittal Letter was submitted to TCEQ on July 29, 2022 in preparation of commencing Interim II phase.

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.

Buffer zone requirements are met by ownership and restrictive easement.

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*.

A Summary Transmittal letter was submitted to TCEQ on July 29, 2022 for Interim III phase.

D. Grit and grease treatment

1. Acceptance of grit and grease waste

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

☐ Yes ☒ No

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

2. Grit and grease processing

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

N/A

3. Grit disposal

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

☐ Yes ☐ No

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

Describe the method of grit disposal.

N/A

4. *Grease and decanted liquid disposal*

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

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

N/A

E. Stormwater management

1. *Applicability*

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

☒ Yes ☐ No

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

☐ Yes ☒ No

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

2. *MSGP coverage*

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

☒ Yes ☐ No

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

TXR05 GN83 or TXRNE Click to enter text.

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

☐ Yes ☐ No

3. *Conditional exclusion*

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

☐ Yes ☐ No

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

N/A

4. Existing coverage in individual permit

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

☐ Yes ☐ No

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

N/A

5. Zero stormwater discharge

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

☐ Yes ☐ No

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

N/A

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

6. Request for coverage in individual permit

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

☐ Yes ☐ No

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

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

N/A

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

F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

☐ Yes ☒ No

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

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

1. Acceptance of sludge from other WWTPs

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

☐ Yes ☒ No

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

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

N/A

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

2. Acceptance of septic waste

Is the facility accepting or will it accept septic waste?

☐ Yes ☒ No

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

☐ Yes ☐ No

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

☐ Yes ☐ No

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

N/A

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

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

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

☐ Yes ☒ No

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

N/A

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

Is the facility in operation?

☒ Yes ☐ No

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

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

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

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
$CBOD_5$, mg/l		1	1	Grab	1-13-25/09:00
Total Suspended Solids, mg/l		<1	1	Grab	1-13-25/09:00
Ammonia Nitrogen, mg/l		1.44	1	Grab	1-13-25/09:00
Nitrate Nitrogen, mg/l		1.1	1	Grab	1-13-25/09:00
Total Kjeldahl Nitrogen, mg/l		2.57	1	Grab	1-13-25/09:00
Sulfate, mg/l		118	1	Grab	1-13-25/09:00
Chloride, mg/l		220	1	Grab	1-13-25/09:00
Total Phosphorus, mg/l		1.17	1	Grab	1-13-25/09:00
pH, standard units		6.38	1	Grab	4-29-25/13:50
Dissolved Oxygen*, mg/l		7.68	1	Grab	4-29-25/13:50
Chlorine Residual, mg/l		0	1	Grab	4-29-25/13:50
E.coli (CFU/100ml) freshwater		1.0	1	Grab	1-13-25/09:15
Entercocci (CFU/100ml) saltwater	N/A	N/A	N/A	N/A	N/A
Total Dissolved Solids, mg/l		640	1	Grab	1-13-25/09:00
Electrical Conductivity, µmohs/cm, †	N/A	N/A	N/A	N/A	N/A
Oil & Grease, mg/l		<5.2	1	Grab	1-13-25/09:15
Alkalinity ($CaCO_3$)*, mg/l		223	1	Grab	1-13-25/09:15

*TPDES permits only
†TLAP permits only

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

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

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

Section 8. Facility Operator (Instructions Page 50)

Facility Operator Name: Matthew Johns

Facility Operator's License Classification and Level: Wastewater Treatment Operator B

Facility Operator's License Number: WW0037565

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

A. WWTP's Biosolids Management Facility Type

Check all that apply. See instructions for guidance

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

B. WWTP's Biosolids Treatment Process

Check all that apply. See instructions for guidance.

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

☒ Thickening (e.g. gravity thickening, centrifugation, filter press, vacuum filter)

☐ Sludge Lagoon

☐ Temporary Storage (< 2 years)

☐ Long Term Storage (>= 2 years)

☐ Methane or Biogas Recovery

☐ Other Treatment Process: Click to enter text.

C. Biosolids Management

Provide information on the *intended* biosolids management practice. Do not enter every management practice that you want authorized in the permit, as the permit will authorize all biosolids management practices listed in the instructions. Rather indicate the management practice the facility plans to use.

Biosolids Management

Management Practice	Handler or Preparer Type	Bulk or Bag Container	Amount (dry metric tons)	Pathogen Reduction Options	Vector Attraction Reduction Option
Disposal in Landfill	Off-site Third-Party Handler or Preparer	Not Applicable	34,836.5	N/A	N/A

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

D. Disposal site

Disposal site name: J-V Dirt & Loam

TCEQ permit or registration number: 2310

County where disposal site is located: Travis

E. Transportation method

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

Name of the hauler: Wastewater Transport Services, LLC

Hauler registration number: 24343

Sludge is transported as a:

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

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

A. Beneficial use authorization

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

☐ Yes ☐ No

B. Sludge processing authorization

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

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

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

☐ Yes ☒ No Current permit includes authorizations, but the City has ceased composting activities.

Section 11. Sewage Sludge Lagoons (Instructions Page 53)

Does this facility include sewage sludge lagoons?

☐ Yes ☒ No

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

A. Location information

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

- Original General Highway (County) Map:

  Attachment: Click to enter text.
- USDA Natural Resources Conservation Service Soil Map:

  Attachment: Click to enter text.
- Federal Emergency Management Map:

  Attachment: Click to enter text.
- Site map:

  Attachment: Click to enter text.

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

☐ Overlap a designated 100-year frequency flood plain

☐ Soils with flooding classification

☐ Overlap an unstable area

☐ Wetlands

☐ Located less than 60 meters from a fault

☐ None of the above

Attachment: Click to enter text.

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

Click to enter text.

B. Temporary storage information

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

Nitrate Nitrogen, mg/kg: Click to enter text.

Total Kjeldahl Nitrogen, mg/kg: Click to enter text.

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

Phosphorus, mg/kg: Click to enter text.

Potassium, mg/kg: Click to enter text.

pH, standard units: Click to enter text.

Ammonia Nitrogen mg/kg: Click to enter text.

Arsenic: Click to enter text.

Cadmium: Click to enter text.

Chromium: Click to enter text.

Copper: Click to enter text.

Lead: Click to enter text.

Mercury: Click to enter text.

Molybdenum: Click to enter text.

Nickel: Click to enter text.

Selenium: Click to enter text.

Zinc: Click to enter text.

Total PCBs: Click to enter text.

Provide the following information:

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

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

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

C. Liner information

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

☐ Yes ☐ No

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

Click to enter text.

D. Site development plan

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

Click to enter text.

Attach the following documents to the application.

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

  Attachment: Click to enter text.
- Copy of the closure plan

  Attachment: Click to enter text.
- Copy of deed recordation for the site

  Attachment: Click to enter text.
- Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons

  Attachment: Click to enter text.
- Description of the method of controlling infiltration of groundwater and surface water from entering the site

  Attachment: Click to enter text.
- Procedures to prevent the occurrence of nuisance conditions

  Attachment: Click to enter text.

E. Groundwater monitoring

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

☐ Yes ☐ No

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

Attachment: Click to enter text.

Section 12. Authorizations/Compliance/Enforcement (Instructions Page 55)

A. Additional authorizations

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

☒ Yes ☐ No

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

Reclaimed Water Authorization R11845002 (Type I)

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:

Click to enter text.

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

A. RCRA hazardous wastes

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

☐ Yes ☒ No

B. Remediation activity wastewater

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

☐ Yes ☒ No

C. Details about wastes received

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

Attachment: N/A

Section 14. Laboratory Accreditation (Instructions Page 56)

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

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

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

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

CERTIFICATION:

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

Printed Name: Brandon Pritchett

Title: Public Utility Director

Signature: _____

Date: _____

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 2.0: RECEIVING WATERS

The following information is required for all TPDES permit applications.

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

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

☐ Yes ☒ No

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

Owner of the drinking water supply: Click to enter text.

Distance and direction to the intake: Click to enter text.

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

Attachment: Click to enter text.

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

Does the facility discharge into tidally affected waters?

☐ Yes ☒ No

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

A. Receiving water outfall

Width of the receiving water at the outfall, in feet: Click to enter text.

B. Oyster waters

Are there oyster waters in the vicinity of the discharge?

☐ Yes ☐ No

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

Click to enter text.

C. Sea grasses

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

☐ Yes ☐ No

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

Click to enter text.

Section 3. Classified Segments (Instructions Page 64)

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

☐ Yes ☒ No

If yes, this Worksheet is complete.

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

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

Name of the immediate receiving waters: Gilleland Creek

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.

None

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.

Generally clear, laminar but consistent flow along creek line.

Date and time of observation: 4/30/25, 8:00 am

Was the water body influenced by stormwater runoff during observations?

☐ Yes ☒ No

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

A. Upstream influences

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

☐ Oil field activities

☐ Upstream discharges

☐ Septic tanks

☒ Urban runoff

☒ Agricultural runoff

☒ Other(s), specify: Windermere Utility Company, Inc. Effluent

B. Waterbody uses

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

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

C. Waterbody aesthetics

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

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

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 4.0: POLLUTANT ANALYSIS REQUIREMENTS

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

This worksheet is not required minor amendments without renewal.

Section 1. Toxic Pollutants (Instructions Page 78)

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

Grab ☒ Composite ☐

Date and time sample(s) collected: 1-13-25/09:00

Table 4.0(1) – Toxics Analysis

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acrylonitrile		<50	1	50
Aldrin		<0.01	1	0.01
Aluminum		75.2	1	2.5
Anthracene		<10	1	10
Antimony		<5	1	5
Arsenic		0.595	1	0.5
Barium		48.2	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

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Chlorodibromomethane		<10	1	10
Chloroform		0.470	1	10
Chlorpyrifos		<0.05	1	0.05
Chromium (Total)		<3	1	3
Chromium (Tri) **(*1)**		<0.5	1	N/A
Chromium (Hex)		<3	1	3
Copper		4.45	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		<0.5/0.1	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

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
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
Ethylbenzene		<10	1	10
Fluoride		<500	1	500
Guthion		<0.1	1	0.1
Heptachlor		<0.01	1	0.01
Heptachlor Epoxide		<0.01	1	0.01
Hexachlorobenzene		<5	1	5
Hexachlorobutadiene		<10	1	10
Hexachlorocyclohexane (alpha)		<0.05	1	0.05
Hexachlorocyclohexane (beta)		<0.05	1	0.05
gamma-Hexachlorocyclohexane (Lindane)		<0.05	1	0.05
Hexachlorocyclopentadiene		<10	1	10
Hexachloroethane		<20	1	20
Hexachlorophene		<10	1	10
Lead		<0.5	1	0.5
Malathion		<0.1	1	0.1
Mercury		<0.005	1	0.005
Methoxychlor		<2	1	2
Methyl Ethyl Ketone		<50	1	50
Mirex		<0.02	1	0.02
Nickel		5.63	1	2
Nitrate-Nitrogen		<100	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

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Phenanthrene		<10	1	10
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)		Not Analyzed	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)		0.47	1	10
Vinyl Chloride		<10	1	10
Zinc		28.4	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: 1/13/25, 9:00

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

Pollutant	**AVG Effluent Conc. (µg/l)**	**MAX Effluent Conc. (µg/l)**	**Number of Samples**	**MAL (µg/l)**
Antimony		<5	1	5
Arsenic		0.595	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)**		<0.5	1	N/A
Copper		4.45	1	2
Lead		<0.5	1	0.5
Mercury		<0.005	1	0.005
Nickel		5.63	1	2
Selenium		<5	1	5
Silver		<0.5	1	0.5
Thallium		<0.5	1	0.5
Zinc		28.4	1	5
Cyanide **(*2)**		<10	1	10
Phenols, Total		<10	1	10

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

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

Table 4.0(2)B – Volatile Compounds

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acrolein		<50	1	50
Acrylonitrile		<50	1	50
Benzene		<10	1	10
Bromoform		<10	1	10
Carbon Tetrachloride		<2	1	2
Chlorobenzene		<10	1	10
Chlorodibromomethane		<10	1	10
Chloroethane		<50	1	50
2-Chloroethylvinyl Ether		<10	1	10
Chloroform		0.470	1	10
Dichlorobromomethane [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 [1,3-Dichloropropene]		<10	1	10
1,2-Trans-Dichloroethylene		<10	1	10
Ethylbenzene		<10	1	10
Methyl Bromide		<50	1	50
Methyl Chloride		<50	1	50
Methylene Chloride		<20	1	20
1,1,2,2-Tetrachloroethane		<10	1	10
Tetrachloroethylene		<10	1	10
Toluene		<10	1	10
1,1,1-Trichloroethane		<10	1	10
1,1,2-Trichloroethane		<10	1	10
Trichloroethylene		<10	1	10
Vinyl Chloride		<10	1	10

Table 4.0(2)C – Acid Compounds

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

Table 4.0(2)D – Base/Neutral Compounds

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

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

Table 4.0(2)E - Pesticides

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Aldrin		<0.01	1	0.01
alpha-BHC (Hexachlorocyclohexane)		<0.103	1	0.05
beta-BHC (Hexachlorocyclohexane)		<0.05	1	0.05
gamma-BHC (Hexachlorocyclohexane)		<0.05	1	0.05
delta-BHC (Hexachlorocyclohexane)		<0.05	1	0.05
Chlordane		<0.2	1	0.2
4,4-DDT		<0.02	1	0.02
4,4-DDE		<0.1	1	0.1
4,4,-DDD		<0.1	1	0.1
Dieldrin		<0.02	1	0.02
Endosulfan I (alpha)		<0.01	1	0.01
Endosulfan II (beta)		<0.02	1	0.02
Endosulfan Sulfate		<0.103	1	0.1
Endrin		<0.02	1	0.02
Endrin Aldehyde		<0.1	1	0.1
Heptachlor		<0.01	1	0.01
Heptachlor Epoxide		<0.01	1	0.01
PCB-1242		<0.2	1	0.2
PCB-1254		<0.2	1	0.2
PCB-1221		<0.2	1	0.2
PCB-1232		<0.2	1	0.2
PCB-1248		<0.2	1	0.2
PCB-1260		<0.2	1	0.2
PCB-1016		<0.2	1	0.2
Toxaphene		<0.3	1	0.3

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

Section 3. Dioxin/Furan Compounds

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

☐ 2,4,5-trichlorophenoxy acetic acid

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

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

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

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

Common Name Erbon, CASRN 136-25-4

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

Common Name Ronnel, CASRN 299-84-3

☐ 2,4,5-trichlorophenol

Common Name TCP, CASRN 95-95-4

☐ hexachlorophene

Common Name HCP, CASRN 70-30-4

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

N/A

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

☐ Yes ☐ No

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

N/A

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

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

Grab ☐ Composite ☐

Date and time sample(s) collected: Click to enter text.

Table 4.0(2)F – Dioxin/Furan Compounds

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

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 5.0: TOXICITY TESTING REQUIREMENTS

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

This worksheet is not required minor amendments without renewal.

Section 1. Required Tests (Instructions Page 88)

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

7-day Chronic: 18

48-hour Acute: 9 24-hour Acute

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
Previously submitted			

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 6.0: INDUSTRIAL WASTE CONTRIBUTION

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

Section 1. All POTWs (Instructions Page 89)

A. Industrial users (IUs)

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

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

Categorical IUs:

Number of IUs: 2

Average Daily Flows, in MGD: 0.00713

Significant IUs – non-categorical:

Number of IUs: 0

Average Daily Flows, in MGD: 0 (zero)

Other IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0 (zero)

B. Treatment plant interference

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

☐ Yes ☒ No

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

N/A

C. Treatment plant pass through

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

☐ Yes ☒ No

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

N/A

D. Pretreatment program

Does your POTW have an approved pretreatment program?

☐ Yes ☒ No

If yes, complete Section 2 only of this Worksheet.

Is your POTW required to develop an approved pretreatment program?

☐ Yes ☒ No

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

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

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

A. Substantial modifications

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

☐ Yes ☐ No

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

N/A

B. Non-substantial modifications

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

☐ Yes ☐ No

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

N/A

C. Effluent parameters above the MAL

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

Table 6.0(1) – Parameters Above the MAL

Pollutant	Concentration	MAL	Units	Date
N/A				

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.

N/A

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

A. General information

Company Name: Sealed Air (formerly Austin Foam Plastics, Inc.)

SIC Code: 3086, 2653

Contact name: Adrian Frady

Address: 2933 A W. Grimes Blvd

City, State, and Zip Code: Pflugerville, TX 78660

Telephone number: 512-251-6300

Email address: adrian.frady@sealedair.com

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).

Creation of foam, plastic, molded pulp and corrugated cardboard packaging and associated printing, coating, and finishing.

C. Product and service information

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

Foam, plastic, molded pulp, and corrugated cardboard packaging and shipping materials.

D. Flow rate information

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

Process Wastewater:

Discharge, in gallons/day: 48,000

Discharge Type: ☐ Continuous ☐ Batch ☒ Intermittent

Non-Process Wastewater:

Discharge, in gallons/day: 0 (zero)

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

E. Pretreatment standards

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

☐ Yes ☒ No

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

☒ Yes ☐ No

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

Category: 463 – Plastics Molding and Forming

Subcategories: N/A

Category: 430 – Pulp, Paper, and Paperboard

Subcategories: N/A

F. Industrial user interruptions

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

☐ Yes ☒ No

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

N/A

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

A. General information

Company Name: EVS Texas Inc.

SIC Code: 3444

Contact name: Robert Evans

Address: 400 Heatherwilde Blvd

City, State, and Zip Code: Pflugerville, TX 78660

Telephone number: 512-989-3000

Email address: Revans@evsmetal.com

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).

Metal machining, finishing (polishing, buffering, and graining), welding, and powder coating.

C. Product and service information

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

Sheet metal; steel and aluminum assembled products.

D. Flow rate information

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

Process Wastewater:

Discharge, in gallons/day: 69,174

Discharge Type: ☐ Continuous ☐ Batch ☒ Intermittent

Non-Process Wastewater:

Discharge, in gallons/day: 0 (zero)

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

E. Pretreatment standards

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

☐ Yes ☒ No

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

☒ Yes ☐ No

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

Category: 433 – Metal Finishing

Subcategories: N/A

F. Industrial user interruptions

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

☐ Yes ☒ No

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

N/A

ATTACHMENT AR-1

Core Data Form

TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

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

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

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

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	**3. Regulated Entity Reference Number** *(if issued)*
CN 600412985		**RN 101611440**

SECTION II: Customer Information

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

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

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

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

City of Pflugerville

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

11. Type of Customer:

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

12. Number of Employees

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

13. Independently Owned and Operated?

☒ **Yes** ☐ **No**

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

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

15. Mailing Address:	P.O. Box 589						
	City	Pflugerville	**State**	TX	**ZIP**	78691	**ZIP + 4**

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

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(512) 990-6400		(512) 989-1052

SECTION III: Regulated Entity Information

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

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

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

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

Central Wastewater Treatment Plant

23. Street Address of the Regulated Entity: ***(No PO Boxes)***	15500 Sun Light Near Way							
	City	Pflugerville	**State**	TX	**ZIP**	78660	**ZIP + 4**	
24. County	Travis							

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

25. Description to Physical Location:	N/A				
26. Nearest City			**State**	**Nearest ZIP Code**	
Pflugerville			TX	78660	
Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).					
27. Latitude (N) In Decimal:	30.419166		**28. Longitude (W) In Decimal:**	-97.604444	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds

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

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

Wastewater Treatment

34. Mailing Address:	**P.O. Box 589**							
	City	**Pflugerville**	**State**	**TX**	**ZIP**	**78691**	**ZIP + 4**	
35. E-Mail Address:	**brandonp@pflugervilletx.gov**							

36. Telephone Number	37. Extension or Code	38. Fax Number *(if applicable)*
(512) 990-6400		**(512) 989-1052**

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

☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☒ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
	TXR05BN19			
☐ Voluntary Cleanup	☒ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:
	WQ0011845002			

SECTION IV: Preparer Information

40. Name:	Katie Leatherwood, P.G.	**41. Title:**	Environmental Scientist

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(817 **)** 735-7503		**(** 817 **)** 735-7492	katie.leatherwood@freese.com

SECTION V: Authorized Signature

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

Company:	Freese and Nichols, Inc.	**Job Title:**	Environmental Scientist
Name *(In Print):*	Katie Leatherwood, P.G.	**Phone:**	**(** 817 **)** 735- **7503**
Signature:		**Date:**	5/12/25

ATTACHMENT AR-2

Plain Language Summary

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.

The City of Pflugerville (CN600412985) operates the Upper Gilleland (Central) Wastewater Treatment Plant (RN101611440), a wastewater treatment plant. The facility is located at 15500 Sun Light Near Way, in Pflugerville, Travis County, Texas 78660. This application is for a renewal to discharge treated domestic wastewater at an annual average flow of 8.5 million gallons per day .

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD5), total suspended solids (TSS), ammonia nitrogen (NH3-N), and Escherichia coli. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent and Domestic Worksheet 4.0 in the permit application package. Domestic wastewater is treated by the following treatment units: coarse screens, fine screen, gravity grit remover, anoxic/anaerobic basins for carrousel basins, carrousel aeration basins, biological nutrient removal carrousel basins, existing

secondary clarifiers, secondary clarifier, cloth media filters, UV disinfection, sludge holding tank, disc thickener, thickened sludge holding tank, and solids handling.

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

AGUAS RESIDUALES DOMÉSTICAS **/AGUAS PLUVIALES**

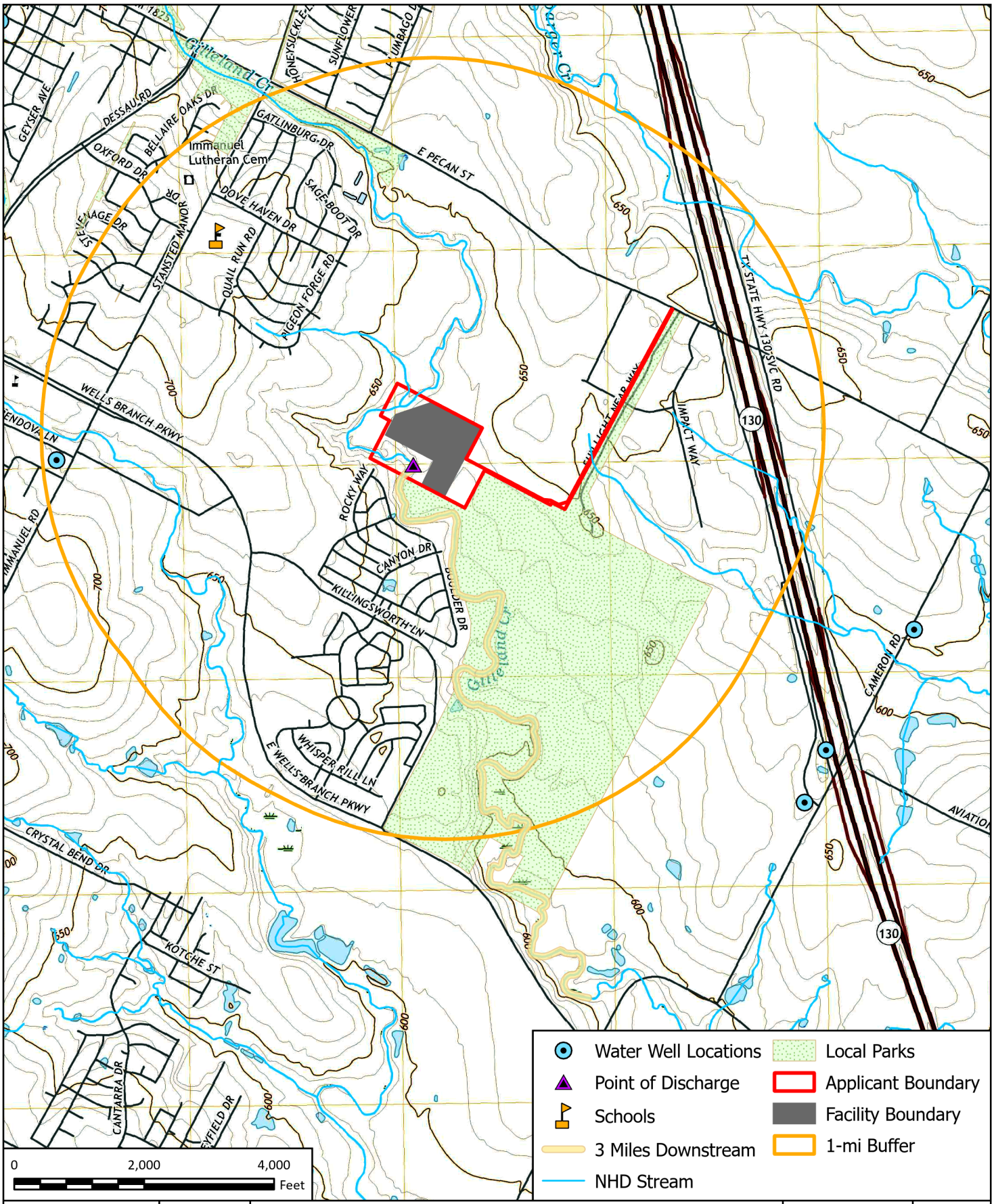
El siguiente resumen se proporciona para esta solicitud de permiso de calidad del agua pendiente que está siendo revisada por la Comisión de Calidad Ambiental de Texas según lo requerido por el Capítulo 39 del Código Administrativo de Texas 30. La información proporcionada en este resumen puede cambiar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

La Ciudad de Pflugerville (CN600412985) opera the Upper Gilleland (Central) Wastewater Treatment Plant (RN101611440), una planta de tratamiento de aguas residuales. La instalación está ubicada en 15500 Sun Light Near Way, en Pflugerville, Condado de Travis, Texas 78660. Esta solicitud es para una renovación para descargar aguas residuales domésticas tratadas a un flujo promedio anual de 8.5 millones de galones por día.

Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno carbonoso (CBOD5) de cinco días, sólidos suspendidos totales (SST), nitrógeno amoniacal (NH3-N) y Escherichia coli. Se incluyen contaminantes potenciales adicionales en el Informe Técnico Nacional 1.0, Sección 7. Análisis de Contaminantes del Efluente Tratado y Hoja de Trabajo Doméstico 4.0 en el paquete de solicitud de permiso. Las aguas residuales domésticas son tratadas mediante las siguientes unidades de tratamiento: cribas gruesas, cribas finas, removedor de arena por gravedad, cuencas anóxicas/anaeróbicas para cuencas de carrusel, cuencas de aireación de carrusel, cuencas de carrusel de eliminación biológica de nutrientes, clarificadores secundarios existentes, clarificador secundario, filtros de medios de tela, desinfección UV, tanque de retención de lodos, espesador de disco, tanque de retención de lodos espesados y manejo de sólidos

ATTACHMENT AR-3

USGS Topographic Map



FREESE AND NICHOLS, INC
801 Cherry Street, Suite 2800
Fort Worth, TX 76102
Phone - (817) 735 - 7300

CITY OF PFLUGERVILLE

TPDES Permit Renewal

USGS Topographic Map

Quad Name: Pflugerville East

FN JOB NO	PFL24731
LAYOUT NAME	Fig1_Topo
DATE	4/28/2025
DESIGNED	MK
DRAFTED	AO

1

FIGURE

Path: H:\ENVIRONMENTAL\Final_Exhibits\TPDES\TPDES_Figures.aprx

NAD 1983 StatePlane Texas Central FIPS 4203 Feet

ATTACHMENT SPIF-1

SPIF USGS Topographic Map

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

TCEQ USE ONLY:

Application type: ____Renewal ____Major Amendment ____Minor Amendment ____New

County: _____ Segment Number: _____

Admin Complete Date: _____

Agency Receiving SPIF:

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

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

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

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

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

The following applies to all applications:

1. Permittee: City of Pflugerville

   Permit No. WQ00 11845002 EPA ID No. TX 0094927

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

   15500 Sun Light Near Way; approximately 2,000 feet southwest of the intersection of East Pecan Street and State Highway 130/State Highway 45.

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: Brandon Pritchett

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

Title: Public Utility Director

Mailing Address: P.O. Box 589

City, State, Zip Code: Pflugerville, TX 78691

Phone No.: 512-990-6402 Ext.: N/A Fax No.: N/A

E-mail Address: brandonp@pflugervilletx.gov

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

N/A

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

To Gilleland Creek, thence to Colorado River Below Lady Bird Lake (formerly Town Lake) in Segment No. 1428 of the Colorado River Basin

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

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

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

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

☐ Disturbance of vegetation or wetlands

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

N/A - Renewal

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

Land consists of wastewater treatment plant and City Public Works facility, including City fleet maintenance, with native trees and grasses along the western boundary and Gilleland Creek.

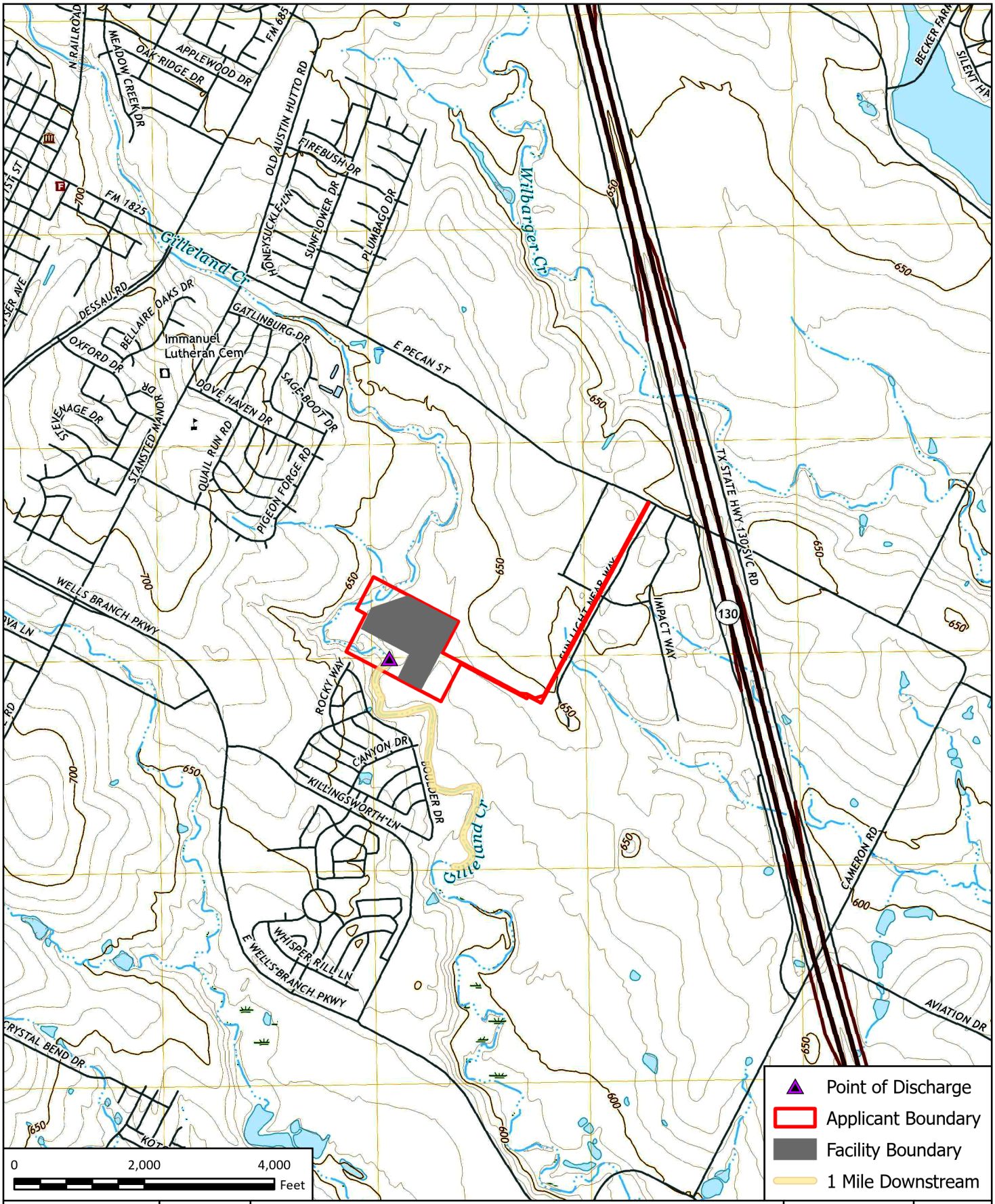
THE FOLLOWING ITEMS APPLY ONLY TO APPLICATIONS FOR NEW TPDES PERMITS AND MAJOR AMENDMENTS TO TPDES PERMITS

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



CITY OF PFLUGERVILLE

TPDES Permit Renewal

SPIF USGS Topographic Map

FREESE AND NICHOLS, INC
801 Cherry Street, Suite 2800
Fort Worth, TX 76102
Phone - (817) 735 - 7300

FN JOB NO	PFL24731
LAYOUT NAME	Fig2_SPIF_Topo
DATE	4/28/2025
DESIGNED	MK
DRAFTED	AO

2

FIGURE

Path: H:\ENVIRONMENTAL\Final_Exhibits\TPDES\TPDES_Figures.aprx

NAD 1983 StatePlane Texas Central FIPS 4203 Feet

ATTACHMENT TR-1

Treatment Process Description

Proposed Expanded and Modified Plant – Biological Nutrient Removal

The proposed expansion and modifications would add capacity and convert the existing plant to a biological nutrient removal (BNR) process. An influent lift station will collect and pump influent into the headworks, which will consist of two (2) coarse screens, one (1) fine screen, and one (1) gravity grit removal unit. The flow will be split evenly between two (2) new carrousel units that utilize internal anaerobic, anoxic, and oxic zones for biological nutrient removal, and the two (2) existing Carrousel™ aeration basins which will be appended with external anoxic/anaerobic basins for nutrient removal. The wastewater will then be split between three (3) secondary clarifiers, before progressing to the cloth media filters followed by UV disinfection. For sludge handling, existing structures will be converted into sludge and thickened sludge holding tanks. A mechanical thickener will thicken the WAS flow before it is sent to a mechanical dewatering unit for dewatering.

It is proposed to construct the improvements in three phases, as follows:

Phase I – New influent lift station, coarse and fine screens, grit removal, carrousel type aeration basins designed for BNR, final clarifier, filters, and UV disinfection.

Phase II – New anaerobic/anoxic basins ahead of existing carrousel aeration basins to convert them to BNR, rehabilitation of Carrousel™ aeration basins, and rehabilitation of existing final clarifiers.

Phase III – New sludge thickening/dewatering facility.

During the Phase II project it is anticipated that the existing Carrousel™ aeration basins and final clarifiers will be rehabilitated by taking one unit off-line at a time. During the time when a Carrousel™ basin and/or one clarifier out of service, the treatment capacity will be limited to 8.5 MGD. Therefore, the City intends to request a phased discharge permit with interim phases of 7.25 and 8.5 MGD. When Phase II construction is complete the liquids treatment capacity of the plant will be 10 MGD.

Likewise, the existing solids handling facilities have the capacity to process solids produced from an influent flow of approximately 8.5 MGD. If additional solids handling capacity is needed prior to completion of the Phase III construction, the City will use a mobile belt filter press to augment the existing solids dewatering equipment.

ATTACHMENT TR-2

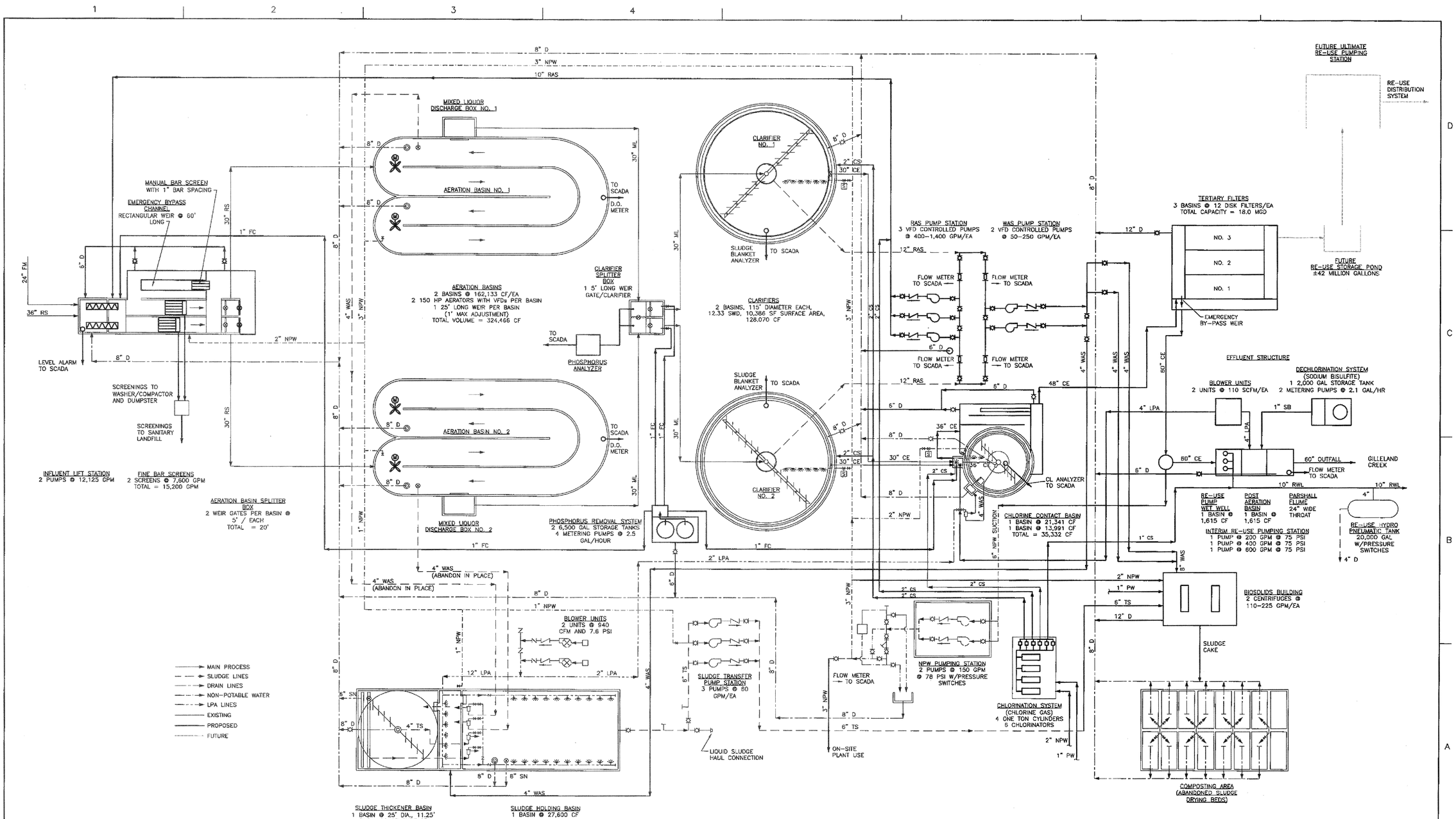
Treatment Units

Treatment Units	Number of Units	Dimensions (LxWxD)
Coarse Screen	2	23’ x 25’ x 6’
Fine Screen	1	33’ x 25’ x 6’
Gravity Grit Remover	1	18’ x 18’ x 23.5’
Anoxic/Anaerobic Basins for Carrousel Basins	2	45’ x 100’ x 20’
Carrousel Aeration Basins	2	150’ x 105’ x 11.25’
Biological Nutrient Removal Carrousel Basins	2	268’ x 62.25’ x 23.5’
Existing Secondary Clarifiers	2	115’ Diameter x 12.33’ Depth
Secondary Clarifier	1	115’ Diameter x 14’ Depth
Cloth Media Filters	7	62’ x 65’ x 11.5’
UV Disinfection	1	55’ x 28’ x 5’
Sludge Holding Tank	1	25’ Diameter x 11.25’ Depth
Disc Thickener	1	10’ x 10’ x 6.5’
Thickened Sludge Holding Tank	1	65.5’ x 24.5’ x 17’
Solids Handling (Centrifuges or Screw Press, same building(	2	45’ x 32’ x 32’

ATTACHMENT TR-3

Process Flow Diagram

Process Flow Diagram for 5.3 MGD Phase of Central WWTP



C:\WINDM\09669-20860 PFL WWTPIDWGS-PROCESS\00D-01.DWG, 10/11/2005 2:24:03 PM, jfelan

HDR Engineering, Inc.

ISSUE	DATE	DESCRIPTION
A	10/19/05	ISSUED FOR BIDDING

PROJECT MANAGER	DARREN C. STROZEWSKI
DESIGNED BY	D. C. STROZEWSKI
DESIGNED BY	S. D. BEROSET
DRAWN BY	M. E. WAUER
CHECKED BY	J. G. GLASER
DATE	OCTOBER 2005
PROJECT NUMBER	000000000020860

STATE OF TEXAS · DARREN C. STROZEWSKI · 87908 · LICENSED PROFESSIONAL ENGINEER — 10/20/05

The City of Pflugerville Texas

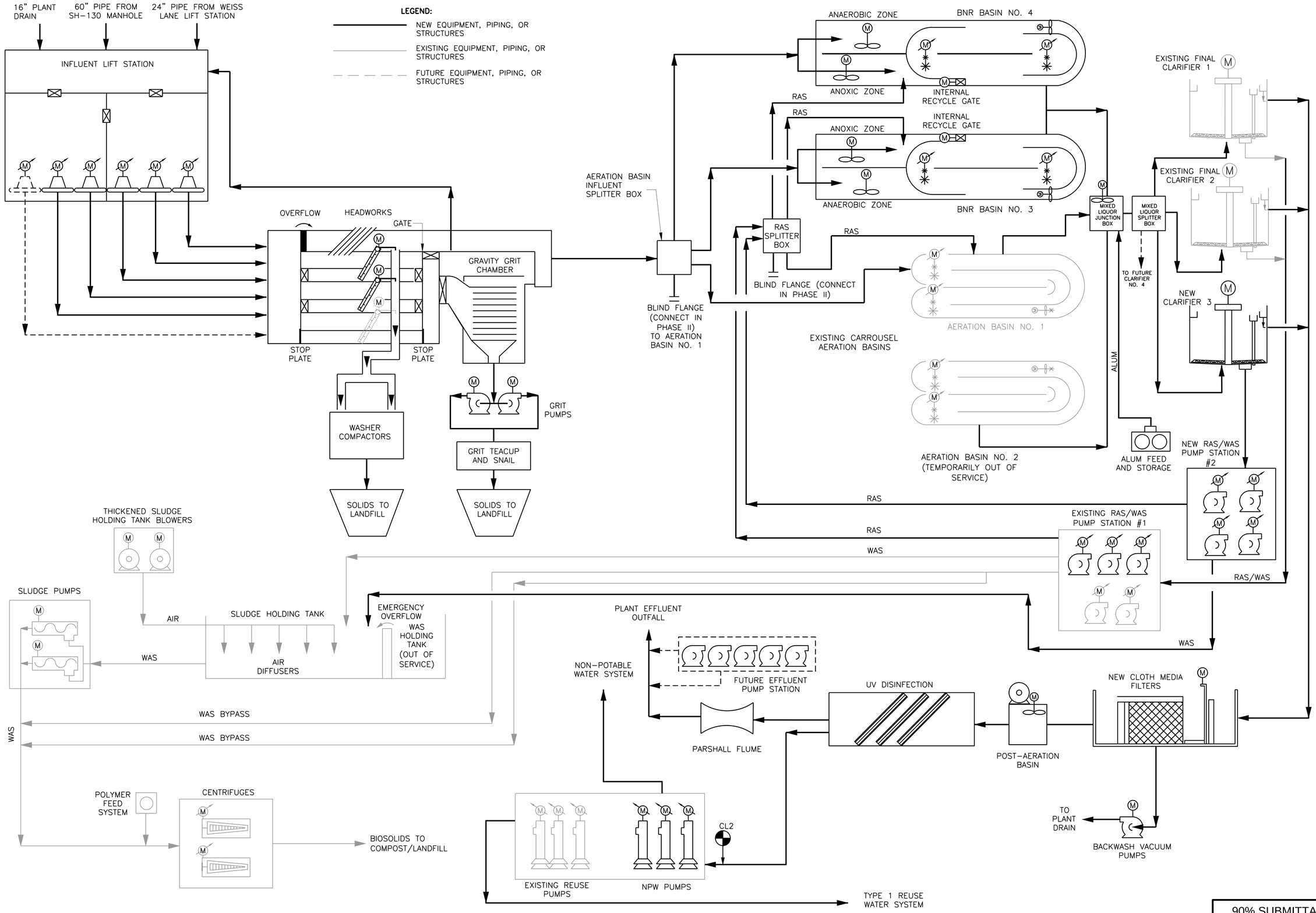
CENTRAL WASTEWATER TREATMENT PLANT IMPROVEMENTS

GENERAL PROCESS FLOW DIAGRAM

0 1" 2"

FILENAME	00D-01.DWG
SCALE	NOT TO SCALE

SHEET 00D-01



90% SUBMITTAL

NOT FOR CONSTRUCTION

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW UNDER THE AUTHORITY OF: CORY C. GEE P.E. TEXAS NO.: 118865 - ON DATE: 4/22/19 IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

Freese and Nichols, Inc.
Texas Registered Engineering Firm F-2144

FREESE NICHOLS
10431 Morado Circle, Suite 300
Austin, Texas 78759
Phone - (512) 617-3100
Fax - (512) 617-3101

CITY OF PFLUGERVILLE
CENTRAL WWTP EXPANSION
PHASE I IMPROVEMENTS
GENERAL

7.25 and 8.5 MGD PFD

NO.	ISSUE	BY	DATE

VERIFY SCALE Bar is one inch on original drawing. If not one inch on this sheet, adjust scale.
0 1"

FAN JOB NO.	PFL16607
DATE	04/19/19
DESIGNED	KAL
DRAWN	MGA
REVISED	-
CHECKED	JWM
FILE NAME	PI-PFL-DG-PROC01.dwg

SHEET

SEQ.

ACAD Rel: 21.0s (LMS Tech)
Filename: N:\pi\PI-PFL-DG-PROC01.dwg
Last Saved: 4/25/2019 12:50 PM Saved By: 90119

Plot Date: 4/25/2019 12:52 PM Plot By: 90119 Filename: N:\pi\PI-PFL-DG-PROC01.dwg

16" PLANT DRAIN

60" PIPE FROM SH-130 MANHOLE

24" PIPE FROM WEISS LANE LIFT STATION

LEGEND:

NEW EQUIPMENT, PIPING, OR STRUCTURES

EXISTING EQUIPMENT, PIPING, OR STRUCTURES

FUTURE EQUIPMENT, PIPING, OR STRUCTURES

INFLUENT LIFT STATION

OVERFLOW

HEADWORKS

GATE

GRAVITY GRIT CHAMBER

GRIT PUMPS

WASHER COMPACTORS

GRIT TEACUP AND SNAIL

SOLIDS TO LANDFILL

SOLIDS TO LANDFILL

AERATION BASIN INFLUENT SPLITTER BOX

RAS SPLITTER BOX

ANAEROBIC ZONE

ANOXIC ZONE

INTERNAL RECYCLE GATE

BNR BASIN NO. 4

BNR BASIN NO. 3

BNR BASIN NO. 2

BNR BASIN NO. 1

RAS

MIXED LIQUOR JUNCTION BOX

MIXED LIQUOR SPLITTER BOX

ALUM

ALUM FEED AND STORAGE

EXISTING FINAL CLARIFIER 1

EXISTING FINAL CLARIFIER 2

CLARIFIER 3

CLARIFIER 4

NEW RAS/WAS PUMP STATION #2

EXISTING RAS/WAS PUMP STATION #1

RAS

RAS

WAS

RAS/WAS

WAS

THICKENED SLUDGE HOLDING TANK BLOWERS

ROTARY DRUM THICKENERS

SLUDGE PUMPS

AIR

THICKENED SLUDGE HOLDING TANK

AIR DIFFUSERS

TWAS

WAS HOLDING TANK

WAS BYPASS

WAS BYPASS

TWAS

PLANT EFFLUENT OUTFALL

NON-POTABLE WATER SYSTEM

EFFLUENT PUMP STATION

PARSHALL FLUME

UV DISINFECTION

POST-AERATION BASIN

CLOTH MEDIA FILTERS

TO PLANT DRAIN

BACKWASH VACUUM PUMPS

POLYMER FEED SYSTEM

SCREW PRESSES

BIOSOLIDS TO COMPOST/LANDFILL

EXISTING REUSE PUMPS

NPW PUMPS

CL2

TYPE 1 REUSE WATER SYSTEM

90% SUBMITTAL

NOT FOR CONSTRUCTION

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW UNDER THE AUTHORITY OF: CORY C. GEE P.E. TEXAS NO. 118805 - ON DATE: 4/22/19 IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

Freese and Nichols, Inc.
Texas Registered Engineering Firm F-2144

FREESE NICHOLS

10431 Morado Circle, Suite 300
Austin, Texas 78759
Phone - (512) 617-3100
Fax - (512) 617-3101

CITY OF PFLUGERVILLE
CENTRAL WWTP EXPANSION
PHASE I IMPROVEMENTS
GENERAL

10 MGD PFD

NO.	ISSUE	BY	DATE

FAN JOB NO. PFL16607
DATE 04/19/19
DESIGNED KAL
DRAWN MGA
REVISED
CHECKED JWM
FILE NAME PI-PFL-DG-PROC01.dwg

VERIFY SCALE Bar is one inch on original drawing. If not one inch on this sheet, adjust scale.
0 1"

SHEET

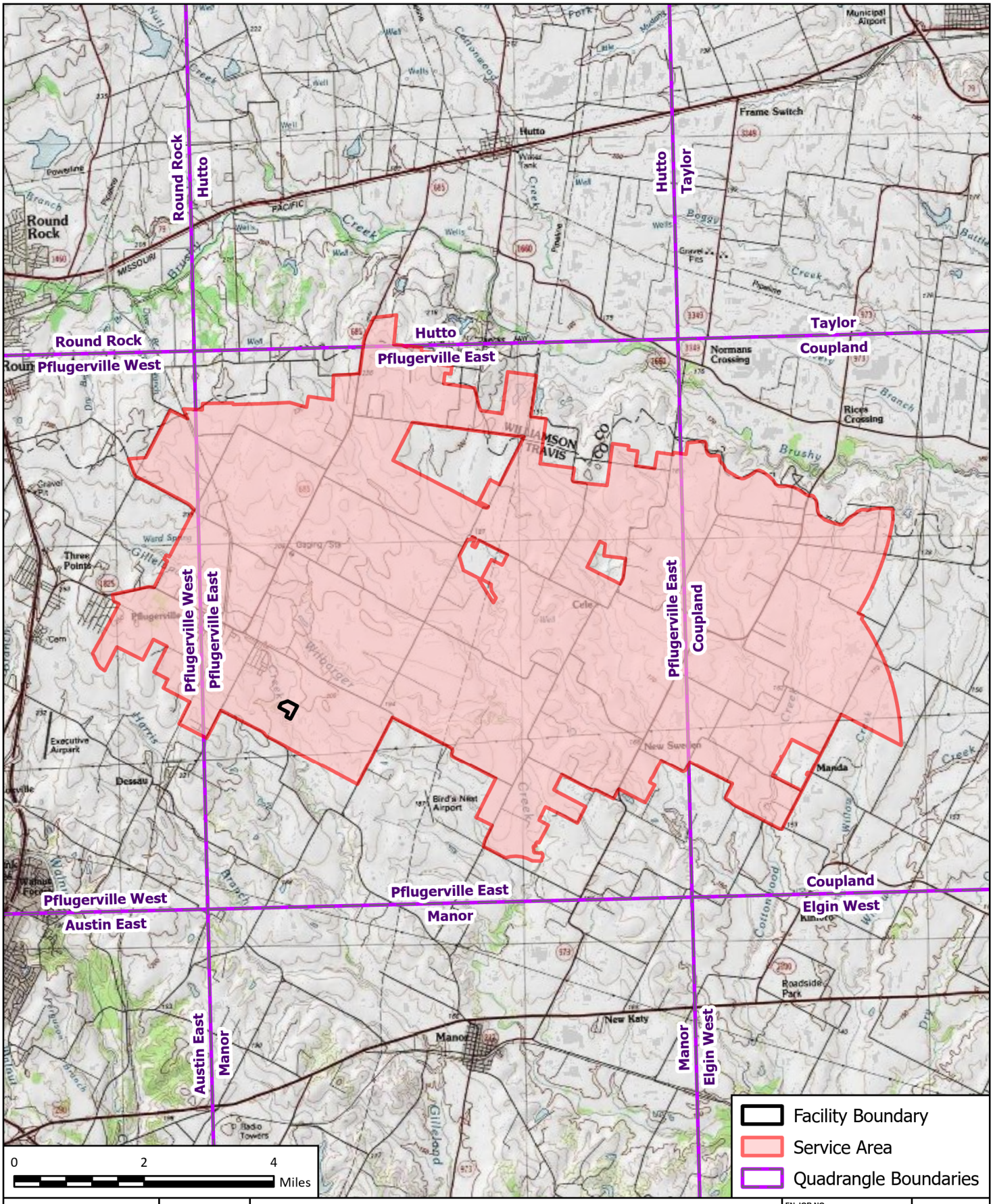
SEQ.

ACAD Rel: 21.0s (LMS Tech)
Filename: N:\pi\PI-PFL-DG-PROC01.dwg
Last Saved: 4/25/2019 12:50 PM Saved By: 90119

Plot Date: 4/25/2019 12:52 PM Plot By: 90119 Filename: N:\pi\PI-PFL-DG-PROC01.dwg

ATTACHMENT TR-4

Site Drawing



FREESE AND NICHOLS
FREESE AND NICHOLS, INC
801 Cherry Street, Suite 2800
Fort Worth, TX 76102
Phone - (817) 735 - 7300

CITY OF PFLUGERVILLE

TPDES Permit Renewal

Site Drawing

FN JOB NO	PFL24731
LAYOUT NAME	Fig3_Site_Drawing
DATE	4/28/2025
DESIGNED	MK
DRAFTED	AO

3
FIGURE

ATTACHMENT TR-5

Sludge Management Plan

Sludge Management Plan
City of Pflugerville
Central WWTP

There are no primary clarifier or anaerobic/aerobic digesters proposed as part of this permit application. The City currently has two identical centrifuges which dewater waste activated sludge directly from the secondary clarifiers. During Interim Phase II, the waste activated sludge will first be stored in an aerated holding tank before dewatering via existing centrifuges. The centrifuge firm dewatering capacity (one unit out of service) is 13,600 lbs of solids per day, assuming a 16-hour work day.

During the Final Phase, the centrifuges will be replaced by a combination of rotary drum thickeners (RDTs) and screw press dewatering units. The RDTs will thicken the waste activated sludge from the holding tank. The thickened waste activated sludge will be held in a separate aerated tank, then sent to the screw press units for dewatering. The screw press units will be designed for a firm capacity (one unit out of service) of 22,000 lbs of solids per day, assuming a 12-hour work day.

Solids Generation:

Influent Design Flow

- Interim Phase II – 7.25 MGD
- Final Phase – 10 MGD

Design Influent BOD Concentration = 263 mg/L

BNR Solid Generation = 0.86 lb-Solids/lb-BOD

Aeration Basin MLSS: 3,000 to 4,000 mg/L

Table 1 – Solids Generation

Phase	100% Flow (lb/day)	75% Flow (lb/day)	50% Flow (lb/day)	25% Flow (lb/day)
Interim Phase II	13,416	10,062	6,708	3,354
Final Phase	18,505	13,879	9,252	4,626

QUANTITY OF SOLIDS TO BE REMOVED FROM PROCESS AND SCHEDULE FOR REMOVAL:

The dewatered sludge will be deposited into a dump truck for disposal on a regular basis as required. The dewatered solids will be incorporated into the City's on-site composting operation, or hauled off-site to a TCEQ permitted third party facility.

The schedule for removal of solids from the treatment process will be established to maintain the desired suspended solids concentration and sludge age in the BNR process. Removal of solids on a daily basis would average to 18,505 lbs per day of dry weight solids at 100% of the Final Phase flow. Assuming 21% cake solids content, the daily cake production will equal 50 cubic yards. Assuming the City uses 12 cubic yard dump trucks, 5 dump trucks loads of cake will be composted or land filled per day.

IDENTIFICATION AND OWNERSHIP OF THE ULTIMATE SLUDGE DISPOSAL SITE:

Waste Management Williamson County Landfill
699 County Road 128
Hutto, TX 78634
MSW Permit #1405B

or

Micro Dirt, Inc.
DBA Texas Organic Recover
15500 Goforth Road
Creedmor, Texas
TCEQ Reg. #42016

or

Walker Aero Compost Facility
3500 North FM 973
Austin, TX 78725
MSW Permit #2310

or

WASTE MANAGEMENT OF TEXAS AUSTIN COMMUNITY RECYCLING & DISPOSAL FACILITY
9900 Giles Lane
Austin, TX, 78754
MSW Permit #249D

or

Another TCEQ permitted landfill as needed.

ATTACHMENT TR-6

Lab Reports

Email information for report date:
2/18/25 16:20

I001046

Pflugerville, City of

Attn: Max Walther
maxw@pflugervilletx.gov

P.O. Box 589
Pflugerville, TX 78071

Please contact us for your sampling needs or if you have any questions. Some convenient contacts are listed below. You can also access your results and reports through our ClientConnect ™ portal on our website (www.aqua-techlabs.com).

For sampling questions:

samplingbryan@aqua-techlabs.com (Bryan area)
samplingaustin@aqua-techlabs.com (Austin area)

reporting@aqua-techlabs.com (report questions)

Aqua-Tech values you as a customer and encourages you to speak with our staff at 979-778-3707 or the above emails if you have questions.

Thank you for your business,
June M. Brien
Executive Technical Director

BRYAN FACILITY
635 Phil Gramm Boulevard
Bryan, TX 77807
Phone: (979) 778-3707
Fax: (979) 778-3193

AQUA-TECH LABORATORIES

AUSTIN FACILITY
3512 Montopolis Dr. Suite A
Austin, TX 78744
Phone: (512) 301-9559
Fax: (512) 301-9552

The analyses summarized in this report were performed by Aqua-Tech Laboratories, Inc. unless otherwise noted. Aqua-Tech Laboratories, Inc. holds accreditation from the State of Texas in accordance with TNI and/or through the TCEQ Drinking Water Commercial Laboratory Approval Program.

The following abbreviations indicate certification status:

NEL	TNI accredited parameter.
ANR	Accreditation not offered by the State of Texas.
DWP	Approval through the TCEQ Drinking Water Commercial Laboratory Approval Program.
INF	Aqua-Tech Laboratories, Inc. is not accredited for this parameter. It is reported on an informational basis only.

Subcontracted data summarized in this report is indicated by "Sub" in the Lab column.

Certificate: TX-C24-00311

TCEQ Lab ID T104704371

General Definitions:

NR	Not Reported.
RPD	Relative Percent Difference.
% R	Percent Recovery.
dry	Results with the "dry" unit designation are reported on a "dry weight" basis.
SQL	The Sample Quantitation Limit is the value below which the parameter cannot reliably be detected. The SQL includes all sample preparations, dilutions and / or concentrations.
Adj MDL	The Adjusted Method Detection Limit is the MDL value adjusted for any sample dilutions or concentrations .
MDL	The Method Detection Limit is the lowest theoretical value that is statistically different from zero for a specific method, taking into account all preparation steps and instrument settings.

All samples are reported on an "as received" basis unless the designation "dry" is added to the reported unit.

Copies of Aqua-Tech Laboratories, Inc. procedures and individual sampling plans are available upon request. Note that samples are collected by Aqua-Tech Laboratories, Inc. personnel unless otherwise noted in the "Sample Collected" field of this report as "Client" or "CLT".

Samples included in this report were received in acceptable condition according to Aqua-Tech Laboratories, Inc. procedures and 40 CFR, Chapter I, Subchapter D, Part 136.3, TABLE II. - *Required containers, preservation techniques, and holding times*, unless otherwise noted in this report.

Record Retention:

All reports, raw data, and associated quality control data are kept on file for 10 years before being destroyed. Any client that would like copies of records must contact Aqua-Tech Laboratories, Inc. no later than six months prior to the scheduled disposal. An administrative fee for retrieval and distribution will apply.

This report was approved by:

June M. Brien, Technical Director

BRYAN FACILITY
635 Phil Gramm Boulevard
Bryan, TX 77807
Phone: (979) 778-3707
Fax: (979) 778-3193

AQUA-TECH LABORATORIES

AUSTIN FACILITY
3512 Montopolis Dr. Suite A
Austin, TX 78744
Phone: (512) 301-9559
Fax: (512) 301-9552

Analytical Report

Pflugerville, City of

Report Printed: **2/18/25** **16:20**

I001046

Pflugerville WWTP Effluent

Collected: 01/13/25 09:00 by CLIENT
Received: 01/13/25 12:20 by Ana Garza

Type: 24hr comp
Matrix: Non Potable
C-O-C #: I001046

Lab ID# I001046-01

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
General Chemistry											
Trivalent Chromium	**<0.500**	ug/L			0.500	0.500	*Calc*	01/17/25 19:01 ABM	EPA 200.7 R4.4	[CALC]	NEL
Carbonaceous BOD (5 day)	**1**	mg/L		1	1	1	*Austin*	01/14/25 06:40 BAL	SM5210 B 2016	M187962	NEL
Total Suspended Solids	**<1**	mg/L		1	1	1	*Austin*	01/14/25 09:47 CES	SM2540 D 2015	M187950	NEL
Total Dissolved Solids	**640**	mg/L		25.0	50.0	50.0	*Austin*	01/17/25 12:19 KHA	SM2540 C 2015	M188171	NEL
Ammonia as N	**1.44**	mg/L		0.05	0.05	0.05	*Bryan*	01/16/25 12:23 KMA	SM4500-NH3 G 2011	M188096	NEL
Total Kjeldahl Nitrogen as N	**2.57**	mg/L		0.13	0.13	0.20	*Bryan*	01/23/25 13:25 KMA	EPA 351.2 R2.0	M188218	NEL
Nitrate as N	**1.1**	mg/L			0.017	0.020	*Calc*	01/21/25 11:23 MSA	SM4500-NO3-F 2011	[CALC]	NEL
Nitrite as N	**0.16**	mg/L		0.002	0.004	0.02	*Austin*	01/15/25 07:45 MSA	SM4500 NO2- B 2011	M188007	NEL
Nitrate/Nitrite as N	**1.2**	mg/L		0.02	0.02	0.02	*Bryan*	01/21/25 11:23 KMA	SM4500-NO3-F 2011	M188283	ANR
Hexavalent Chromium	**<3.00**	ug/L		2.77	2.77	3.00	*Austin*	01/30/25 13:15 MSA	USGS I-1230-85	M188732	NEL
Chloride	**220**	mg/L		0.60	2.41	20.0	*Austin*	01/20/25 08:30 MSA	SM4500-Cl- B 2011	M188215	NEL
Fluoride	**0.35**	mg/L		0.04	0.10	0.10	*Bryan*	01/20/25 07:42 ATG	SM4500-F C 2011	M188209	NEL
Sulfate as SO4(2-)	**118**	mg/L		2.63	10.5	20.0	*Austin*	01/27/25 09:59 BEB	ASTM D516-16	M188314	NEL
Metals (Total)											
Aluminum	**75.2**	ug/L		0.299	0.374	1.25	*Bryan*	01/24/25 15:59 ABM	EPA 200.8 R5.4	M188087	NEL
Antimony	**<0.625**	ug/L	J (0.312)	0.030	0.038	0.625	*Bryan*	01/24/25 15:59 ABM	EPA 200.8 R5.4	M188087	NEL
Arsenic	**0.595**	ug/L		0.032	0.040	0.500	*Bryan*	01/24/25 15:59 ABM	EPA 200.8 R5.4	M188087	NEL
Barium	**48.2**	ug/L		0.065	0.081	0.625	*Bryan*	01/24/25 15:59 ABM	EPA 200.8 R5.4	M188087	NEL
Beryllium	**<0.500**	ug/L		0.051	0.064	0.500	*Bryan*	01/24/25 15:59 ABM	EPA 200.8 R5.4	M188087	NEL
Cadmium	**<0.625**	ug/L		0.056	0.070	0.625	*Bryan*	01/24/25 15:59 ABM	EPA 200.8 R5.4	M188087	NEL
Chromium	**0.872**	ug/L		0.029	0.625	0.625	*Bryan*	01/24/25 15:59 ABM	EPA 200.8 R5.4	M188087	NEL
Copper	**4.45**	ug/L		0.029	0.625	0.625	*Bryan*	01/24/25 15:59 ABM	EPA 200.8 R5.4	M188087	NEL
Lead	**<0.500**	ug/L		0.005	0.006	0.500	*Bryan*	01/24/25 15:59 ABM	EPA 200.8 R5.4	M188087	NEL
Nickel	**5.63**	ug/L		0.039	0.049	0.625	*Bryan*	01/24/25 15:59 ABM	EPA 200.8 R5.4	M188087	NEL
Phosphorus (Total)	**1.17**	mg/L		0.082	0.041	0.050	*Austin*	01/17/25 16:23 KT	EPA 200.7 R4.4	M188057	NEL
Selenium	**0.680**	ug/L		0.136	0.170	0.625	*Bryan*	01/24/25 15:59 ABM	EPA 200.8 R5.4	M188087	NEL
Thallium	**<0.500**	ug/L		0.073	0.091	0.500	*Bryan*	01/24/25 15:59 ABM	EPA 200.8 R5.4	M188087	INF
Zinc	**28.4**	ug/L		0.379	0.474	0.625	*Bryan*	01/24/25 15:59 ABM	EPA 200.8 R5.4	M188087	NEL

Please see the attached subcontract report for subcontracted data.

Form: C:\ELMNT\FORMAT\ATL 090124 FIN_LS.RPT

BRYAN FACILITY
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AQUA-TECH LABORATORIES

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Austin, TX 78744
Phone: (512) 301-9559
Fax: (512) 301-9552

Analytical Report

Pflugerville, City of

Report Printed: **2/18/25** **16:20**

I001046

Pflugerville WWTP Effluent Hg Blank

Collected: 01/13/25 09:20 by CLIENT
Received: 01/13/25 12:20 by Ana Garza

Type: Grab
Matrix: Non Potable
C-O-C #: I001046

Lab ID# I001046-03

Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch

Please see the attached subcontract report for subcontracted data.

Explanation of Notes

J	Analyte detected below the SQL but above the MDL.
RPD-01	Duplicate RPD is outside acceptable range. Acceptance of run is not based on matrix QC.

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Phone: (512) 301-9559
Fax: (512) 301-9552

Analytical Report

Pflugerville, City of

Report Printed: **2/18/25** **16:20**

I001046

General Chemistry - Quality Control

	Result	Units	Notes	MDL	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	RPD	RPD Limit	Batch	
Ammonia as N - SM4500-NH3 G 2011														*Bryan*
Initial Cal Check	0.99	mg/L				01/16/25 12:23 KMA	1.00		99.1	90 - 110			2501204	
Low Cal Check	0.06	mg/L				01/16/25 12:23 KMA	0.0500		112	70 - 130			2501204	
Blank	<0.05	mg/L		0.05	0.05	01/16/25 12:23 KMA							M188096	
LCS	0.50	mg/L		0.05	0.05	01/16/25 12:23 KMA	0.500		100	85 - 115			M188096	
LCS Dup	0.51	mg/L		0.05	0.05	01/16/25 12:23 KMA	0.500		102	85 - 115	1.58	20	M188096	
Matrix Spike	0.53	mg/L		0.05	0.05	01/16/25 12:23 KMA	0.500	<0.05	106	70 - 130			M188096	
Matrix Spike Dup	0.49	mg/L		0.05	0.05	01/16/25 12:23 KMA	0.500	<0.05	98.2	70 - 130	8.02	20	M188096	
Carbonaceous BOD (5 day) - SM5210 B 2016														*Austin*
Diln Water Blk	<0.20	mg/L		1	1	01/14/25 06:40 BAL		-0.1		< or = 0.2 mg/L			2501157	
GGA	188	mg/L		1	1	01/14/25 06:40 BAL	198		94.9	60.9 - 124			2501157	
GGA	153	mg/L		1	1	01/14/25 06:40 BAL	198		77.3	60.9 - 124			2501157	
Seed Blank	<1	mg/L		1	1	01/14/25 06:40 BAL							2501157	
Seed Blank	<1	mg/L		1	1	01/14/25 06:40 BAL							2501157	
Duplicate	<1	mg/L	*RPD-01*	1	1	01/14/25 06:40 BAL		1				47.7	M187962	
Chloride - SM4500-Cl- B 2011														*Austin*
Initial Cal Check	49.7	mg/L				01/20/25 08:30 MSA	50.0		99.5	90 - 110			2501238	
Low Cal Check	5.21	mg/L				01/20/25 08:30 MSA	4.95		105	70 - 130			2501238	
Blank	<5.00	mg/L		0.60	5.00	01/20/25 08:30 MSA							M188215	
LCS	20.4	mg/L		0.60	5.00	01/20/25 08:30 MSA	19.8		103	90 - 110			M188215	
LCS Dup	20.4	mg/L		0.60	5.00	01/20/25 08:30 MSA	19.8		103	90 - 110	0.00	5.86	M188215	
Matrix Spike	299	mg/L		2.41	20.0	01/20/25 08:30 MSA	79.2	216	105	83.4 - 113			M188215	
Matrix Spike Dup	299	mg/L		2.41	20.0	01/20/25 08:30 MSA	79.2	216	105	83.4 - 113	0.00	10.7	M188215	
Fluoride - SM4500-F C 2011														*Bryan*
Initial Cal Check	0.36	mg/L				01/20/25 07:42 ATG	0.390		92.6	90 - 110			2501235	
MRL	0.10	mg/L				01/20/25 07:42 ATG	0.0997		96.2	70 - 130			2501235	
Blank	<0.10	mg/L		0.10	0.10	01/20/25 07:42 ATG							M188209	
LCS	0.78	mg/L		0.10	0.10	01/20/25 07:42 ATG	0.798		98.3	91 - 112			M188209	
LCS Dup	0.80	mg/L		0.10	0.10	01/20/25 07:42 ATG	0.798		99.8	91 - 112	1.52	5.93	M188209	
Matrix Spike	1.31	mg/L		0.10	0.10	01/20/25 07:42 ATG	0.798	0.50	102	92.2 - 115			M188209	
Matrix Spike Dup	1.32	mg/L		0.10	0.10	01/20/25 07:42 ATG	0.798	0.50	103	92.2 - 115	1.23	8.64	M188209	

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Analytical Report

Pflugerville, City of

Report Printed: **2/18/25** **16:20**

I001046

General Chemistry - Quality Control

	Result	Units	Notes	MDL	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	RPD	RPD Limit	Batch	
Hexavalent Chromium - USGS I-1230-85														*Austin*
Initial Cal Check	22.2	ug/L				01/30/25 13:15 MSA	23.2		95.6	90 - 110			2501397	
Blank	<3.00	ug/L		2.77	3.00	01/30/25 13:15 MSA							M188732	
LCS	43.5	ug/L		2.77	3.00	01/30/25 13:15 MSA	46.4		93.7	90 - 110			M188732	
LCS Dup	43.8	ug/L		2.77	3.00	01/30/25 13:15 MSA	46.4		94.4	90 - 110	0.698	10	M188732	
Matrix Spike	46.5	ug/L		2.77	3.00	01/30/25 13:15 MSA	46.4	<3.00	100	55 - 130			M188732	
Matrix Spike Dup	45.3	ug/L		2.77	3.00	01/30/25 13:15 MSA	46.4	<3.00	97.7	55 - 130	2.65	10.5	M188732	
MRL Check	<3.00	ug/L	*J (2.68)*	0.00	3.00	01/30/25 13:15 MSA	3.19		83.9	70 - 130			M188732	
Initial Cal Check	21.0	ug/L				09/06/24 10:31 BEB	23.2		90.3	90 - 110			2409089	
Nitrate/Nitrite as N - SM4500-NO3-F 2011														*Bryan*
Initial Cal Check	1.0	mg/L				01/21/25 11:23 KMA	0.959		108	90 - 110			2501254	
Interference Check A	2.0	mg/L				01/21/25 11:23 KMA	2.00		100	90 - 110			2501254	
Low Cal Check	0.02	mg/L				01/21/25 11:23 KMA	0.0200		120	70 - 130			2501254	
Blank	<0.02	mg/L		0.02	0.02	01/21/25 11:23 KMA							M188283	
LCS	0.53	mg/L		0.02	0.02	01/21/25 11:23 KMA	0.500		105	92.6 - 108			M188283	
LCS Dup	0.53	mg/L		0.02	0.02	01/21/25 11:23 KMA	0.500		106	92.6 - 108	0.569	2.2	M188283	
Matrix Spike	10	mg/L		0.17	0.20	01/21/25 11:23 KMA	5.00	5.0	107	79.4 - 122			M188283	
Matrix Spike Dup	10	mg/L		0.17	0.20	01/21/25 11:23 KMA	5.00	5.0	108	79.4 - 122	0.539	7.62	M188283	
Nitrite as N - SM4500 NO2- B 2011														*Austin*
Initial Cal Check	0.08	mg/L				01/15/25 07:45 MSA	0.0740		107	90 - 110			2501175	
Blank	<0.01	mg/L		0.002	0.01	01/15/25 07:45 MSA							M188007	
LCS	0.08	mg/L		0.002	0.01	01/15/25 07:45 MSA	0.0800		103	90 - 110			M188007	
LCS Dup	0.08	mg/L		0.002	0.01	01/15/25 07:45 MSA	0.0800		104	90 - 110	0.879	10	M188007	
Matrix Spike	0.12	mg/L		0.002	0.01	01/15/25 07:45 MSA	0.0800	0.04	96.0	57 - 116			M188007	
Matrix Spike Dup	0.12	mg/L		0.002	0.01	01/15/25 07:45 MSA	0.0800	0.04	96.9	57 - 116	0.939	10	M188007	
MRL Check	<0.01	mg/L	*J (0.009)*	0.002	0.01	01/15/25 07:45 MSA	0.0100		89.1	70 - 130			M188007	
Initial Cal Check	0.08	mg/L				10/04/24 08:45 MSA	0.0740		105	90 - 110			2410073	

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Pflugerville, City of

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I001046

General Chemistry - Quality Control

	Result	Units	Notes	MDL	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	RPD	RPD Limit	Batch	
Sulfate as SO4(2-) - ASTM D516-16														*Austin*
Initial Cal Check	30.7	mg/L				01/27/25 09:59 BEB	30.0		102	90 - 110			2501261	
Low Cal Check	4.00	mg/L				01/27/25 09:59 BEB	5.00		79.9	70 - 130			2501261	
Blank	<5.00	mg/L		2.63	5.00	01/27/25 09:59 BEB							M188314	
Duplicate	117	mg/L		10.5	20.0	01/27/25 09:59 BEB		120			2.31	11.9	M188314	
LCS	8.91	mg/L		2.63	5.00	01/27/25 09:59 BEB	10.0		89.1	85 - 115			M188314	
LCS Dup	9.70	mg/L		2.63	5.00	01/27/25 09:59 BEB	10.0		97.0	85 - 115	8.53	13.8	M188314	
Matrix Spike	160	mg/L		10.5	20.0	01/27/25 09:59 BEB	40.0	120	98.8	61.6 - 137			M188314	
Matrix Spike Dup	155	mg/L		10.5	20.0	01/27/25 09:59 BEB	40.0	120	87.5	61.6 - 137	12.1	17.1	M188314	
Initial Cal Check	27.8	mg/L				09/13/24 09:10 BEB	30.0		92.7	90 - 110			2409181	
Total Dissolved Solids - SM2540 C 2015														*Austin*
Blank	<25.0	mg/L		25.0	25.0	01/17/25 12:19 KHA							M188171	
Duplicate	500	mg/L		50.0	50.0	01/17/25 12:19 KHA		556			10.6	11.2	M188171	
Reference	492	mg/L		100	100	01/17/25 12:19 KHA	502		98.0	75 - 127			M188171	
Total Kjeldahl Nitrogen as N - EPA 351.2 R2.0														*Bryan*
Initial Cal Check	3.70	mg/L				01/23/25 13:25 KMA	3.38		110	90 - 110			2501289	
Low Cal Check	0.25	mg/L				01/23/25 13:25 KMA	0.200		126	70 - 130			2501289	
Blank	<0.20	mg/L		0.13	0.20	01/23/25 13:25 KMA							M188218	
LCS	4.39	mg/L		0.13	0.20	01/23/25 13:25 KMA	4.00		110	96.8 - 112			M188218	
LCS Dup	4.50	mg/L		0.13	0.20	01/23/25 13:25 KMA	4.00		112	96.8 - 112	2.50	4.32	M188218	
Matrix Spike	186	mg/L		3.25	5.00	01/23/25 13:25 KMA	100	81.4	105	89.3 - 114			M188218	
Matrix Spike Dup	187	mg/L		3.25	5.00	01/23/25 13:25 KMA	100	81.4	106	89.3 - 114	0.997	11.2	M188218	
Reference	3.70	mg/L		0.13	0.20	01/23/25 13:25 KMA	3.38		110	90 - 110			M188218	
Total Suspended Solids - SM2540 D 2015														*Austin*
Blank	<1	mg/L		1	1	01/14/25 09:47 CES							M187950	
Duplicate	9	mg/L		2	2	01/14/25 09:47 CES		9			1.80	20	M187950	
Reference	96	mg/L		10	10	01/14/25 09:47 CES	102		94.1	80 - 120			M187950	

Metals (Total) - Quality Control

	Result	Units	Notes	MDL	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	RPD	RPD Limit	Batch

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Metals (Total) - Quality Control

	Result	Units	Notes	MDL	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	RPD	RPD Limit	Batch	
Aluminum - EPA 200.8 R5.4														*Bryan*
Blank	<1.25	ug/L		0.374	1.25	01/24/25 14:42 ABM							M188087	
LCS	56.5	ug/L		0.374	1.25	01/24/25 14:49 ABM	52.5		108	84.5 - 115.4			M188087	
LCS Dup	56.1	ug/L		0.374	1.25	01/24/25 14:55 ABM	52.5		107	84.5 - 115.4	0.585	20	M188087	
Duplicate	4.56	ug/L		0.374	1.25	01/24/25 15:02 ABM		4.01			12.9	20	M188087	
Matrix Spike	58.0	ug/L		0.374	1.25	01/24/25 15:09 ABM	52.5	4.01	103	69.5 - 130.4			M188087	
Antimony - EPA 200.8 R5.4														*Bryan*
Blank	<0.625	ug/L		0.038	0.625	01/24/25 14:42 ABM							M188087	
LCS	4.54	ug/L		0.038	0.625	01/24/25 14:49 ABM	5.00		90.9	84.5 - 115.4			M188087	
LCS Dup	4.51	ug/L		0.038	0.625	01/24/25 14:55 ABM	5.00		90.2	84.5 - 115.4	0.748	20	M188087	
Duplicate	<0.625	ug/L		0.038	0.625	01/24/25 15:02 ABM		<0.625				20	M188087	
Matrix Spike	4.66	ug/L		0.038	0.625	01/24/25 15:09 ABM	5.00	<0.625	93.1	69.5 - 130.4			M188087	
Arsenic - EPA 200.8 R5.4														*Bryan*
Blank	<0.500	ug/L		0.040	0.500	01/24/25 14:42 ABM							M188087	
LCS	5.66	ug/L		0.040	0.500	01/24/25 14:49 ABM	5.00		113	84.5 - 115.4			M188087	
LCS Dup	4.71	ug/L		0.040	0.500	01/24/25 14:55 ABM	5.00		94.3	84.5 - 115.4	18.2	20	M188087	
Duplicate	<0.500	ug/L		0.040	0.500	01/24/25 15:02 ABM		<0.500				20	M188087	
Matrix Spike	5.43	ug/L		0.040	0.500	01/24/25 15:09 ABM	5.00	<0.500	109	69.5 - 130.4			M188087	
Barium - EPA 200.8 R5.4														*Bryan*
Blank	<0.625	ug/L	*J (0.126)*	0.081	0.625	01/24/25 14:42 ABM							M188087	
LCS	46.6	ug/L		0.081	0.625	01/24/25 14:49 ABM	52.5		88.8	84.5 - 115.4			M188087	
LCS Dup	45.6	ug/L		0.081	0.625	01/24/25 14:55 ABM	52.5		86.8	84.5 - 115.4	2.18	20	M188087	
Duplicate	169	ug/L		0.081	0.625	01/24/25 15:02 ABM		165			2.68	20	M188087	
Matrix Spike	220	ug/L		0.081	0.625	01/24/25 15:09 ABM	52.5	165	105	69.5 - 130.4			M188087	
Beryllium - EPA 200.8 R5.4														*Bryan*
Blank	<0.500	ug/L		0.064	0.500	01/24/25 14:42 ABM							M188087	
LCS	5.52	ug/L		0.064	0.500	01/24/25 14:49 ABM	5.00		110	84.5 - 115.4			M188087	
LCS Dup	5.68	ug/L		0.064	0.500	01/24/25 14:55 ABM	5.00		114	84.5 - 115.4	2.94	20	M188087	
Duplicate	<0.500	ug/L		0.064	0.500	01/24/25 15:02 ABM		<0.500				20	M188087	
Matrix Spike	5.78	ug/L		0.064	0.500	01/24/25 15:09 ABM	5.00	<0.500	116	69.5 - 130.4			M188087	

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Metals (Total) - Quality Control

	Result	Units	Notes	MDL	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	RPD	RPD Limit	Batch	
Cadmium - EPA 200.8 R5.4														*Bryan*
Blank	<0.625	ug/L		0.070	0.625	01/24/25 14:42 ABM							M188087	
LCS	4.79	ug/L		0.070	0.625	01/24/25 14:49 ABM	5.00		95.9	84.5 - 115.4			M188087	
LCS Dup	4.92	ug/L		0.070	0.625	01/24/25 14:55 ABM	5.00		98.4	84.5 - 115.4	2.63	20	M188087	
Duplicate	<0.625	ug/L		0.070	0.625	01/24/25 15:02 ABM		<0.625				20	M188087	
Matrix Spike	4.69	ug/L		0.070	0.625	01/24/25 15:09 ABM	5.00	<0.625	93.8	69.5 - 130.4			M188087	
Chromium - EPA 200.7 R4.4														*Bryan*
Blank	<0.0005	mg/L		0.0005	0.0005	01/17/25 18:34 ABM							M188090	
LCS	0.483	mg/L		0.0005	0.0005	01/17/25 18:37 ABM	0.500		96.6	84.5 - 115.4			M188090	
LCS Dup	0.490	mg/L		0.0005	0.0005	01/17/25 18:41 ABM	0.500		98.0	84.5 - 115.4	1.40	20	M188090	
Duplicate	<0.0005	mg/L		0.0005	0.0005	01/17/25 18:51 ABM		<0.0005				20	M188090	
Matrix Spike	0.457	mg/L		0.0005	0.0005	01/17/25 18:54 ABM	0.500	<0.0005	91.3	69.5 - 130.4			M188090	
Blank	<0.625	ug/L		0.625	0.625	01/24/25 14:42 ABM							M188087	
LCS	5.40	ug/L		0.625	0.625	01/24/25 14:49 ABM	5.00		108	84.5 - 115.4			M188087	
LCS Dup	5.46	ug/L		0.625	0.625	01/24/25 14:55 ABM	5.00		109	84.5 - 115.4	1.14	20	M188087	
Duplicate	0.637	ug/L		0.625	0.625	01/24/25 15:02 ABM		0.590			7.72	20	M188087	
Matrix Spike	6.00	ug/L		0.625	0.625	01/24/25 15:09 ABM	5.00	0.590	108	69.5 - 130.4			M188087	
Copper - EPA 200.8 R5.4														*Bryan*
Blank	<0.625	ug/L		0.625	0.625	01/24/25 14:42 ABM							M188087	
LCS	498	ug/L		0.625	0.625	01/24/25 14:49 ABM	480		104	84.5 - 115.4			M188087	
LCS Dup	523	ug/L		0.625	0.625	01/24/25 14:55 ABM	480		109	84.5 - 115.4	5.01	20	M188087	
Duplicate	1.04	ug/L		0.625	0.625	01/24/25 15:02 ABM		1.06			2.06	20	M188087	
Matrix Spike	488	ug/L		0.625	0.625	01/24/25 15:09 ABM	480	1.06	101	69.5 - 130.4			M188087	
Lead - EPA 200.8 R5.4														*Bryan*
Blank	<0.500	ug/L		0.006	0.500	01/24/25 14:42 ABM							M188087	
LCS	4.99	ug/L		0.006	0.500	01/24/25 14:49 ABM	5.00		99.9	84.5 - 115.4			M188087	
LCS Dup	4.95	ug/L		0.006	0.500	01/24/25 14:55 ABM	5.00		99.1	84.5 - 115.4	0.798	20	M188087	
Duplicate	<0.500	ug/L		0.006	0.500	01/24/25 15:02 ABM		<0.500				20	M188087	
Matrix Spike	4.72	ug/L		0.006	0.500	01/24/25 15:09 ABM	5.00	<0.500	94.4	69.5 - 130.4			M188087	

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Nickel - EPA 200.8 R5.4														*Bryan*
Blank	<0.625	ug/L		0.049	0.625	01/24/25 14:42 ABM							M188087	
LCS	4.90	ug/L		0.049	0.625	01/24/25 14:49 ABM	5.00		98.0	84.5 - 115.4			M188087	
LCS Dup	5.03	ug/L		0.049	0.625	01/24/25 14:55 ABM	5.00		101	84.5 - 115.4	2.57	20	M188087	
Duplicate	1.88	ug/L		0.049	0.625	01/24/25 15:02 ABM		1.67			11.9	20	M188087	
Matrix Spike	6.97	ug/L		0.049	0.625	01/24/25 15:09 ABM	5.00	1.67	106	69.5 - 130.4			M188087	
Phosphorus (Total) - EPA 200.7 R4.4														*Austin*
Blank	<0.050	mg/L		0.041	0.050	01/17/25 15:59 KT							M188057	
LCS	2.26	mg/L		0.041	0.050	01/17/25 16:01 KT	2.50		90.5	84.5 - 115.4			M188057	
LCS Dup	2.36	mg/L		0.041	0.050	01/17/25 16:03 KT	2.50		94.6	84.5 - 115.4	4.43	20	M188057	
Duplicate	5.10	mg/L		0.041	0.050	01/17/25 16:06 KT		4.97			2.61	20	M188057	
Matrix Spike	7.80	mg/L		0.041	0.050	01/17/25 16:08 KT	2.50	4.97	113	69.5 - 130.4			M188057	
Selenium - EPA 200.8 R5.4														*Bryan*
Blank	<0.625	ug/L	*J (0.354)*	0.170	0.625	01/24/25 14:42 ABM							M188087	
LCS	5.40	ug/L		0.170	0.625	01/24/25 14:49 ABM	5.00		108	84.5 - 115.4			M188087	
LCS Dup	5.58	ug/L		0.170	0.625	01/24/25 14:55 ABM	5.00		112	84.5 - 115.4	3.30	20	M188087	
Duplicate	<0.625	ug/L	*J (0.489)*	0.170	0.625	01/24/25 15:02 ABM		<0.625				20	M188087	
Matrix Spike	5.53	ug/L		0.170	0.625	01/24/25 15:09 ABM	5.00	<0.625	111	69.5 - 130.4			M188087	
Thallium - EPA 200.8 R5.4														*Bryan*
Blank	<0.500	ug/L		0.091	0.500	01/24/25 14:42 ABM							M188087	
LCS	4.68	ug/L		0.091	0.500	01/24/25 14:49 ABM	5.00		93.7	84.5 - 115.4			M188087	
LCS Dup	4.69	ug/L		0.091	0.500	01/24/25 14:55 ABM	5.00		93.7	84.5 - 115.4	0.0249	20	M188087	
Duplicate	<0.500	ug/L		0.091	0.500	01/24/25 15:02 ABM		<0.500				20	M188087	
Matrix Spike	4.46	ug/L		0.091	0.500	01/24/25 15:09 ABM	5.00	<0.500	89.2	69.5 - 130.4			M188087	
Zinc - EPA 200.8 R5.4														*Bryan*
Blank	<0.625	ug/L		0.474	0.625	01/24/25 14:42 ABM							M188087	
LCS	52.2	ug/L		0.474	0.625	01/24/25 14:49 ABM	52.5		99.5	84.5 - 115.4			M188087	
LCS Dup	53.5	ug/L		0.474	0.625	01/24/25 14:55 ABM	52.5		102	84.5 - 115.4	2.46	20	M188087	
Duplicate	2.01	ug/L		0.474	0.625	01/24/25 15:02 ABM		2.13			5.65	20	M188087	
Matrix Spike	56.0	ug/L		0.474	0.625	01/24/25 15:09 ABM	52.5	2.13	103	69.5 - 130.4			M188087	

BRYAN FACILITY
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Bryan, TX 77807
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AQUA-TECH LABORATORIES

AUSTIN FACILITY
3512 Montopolis Dr. Suite A
Austin, TX 78744
Phone: (512) 301-9559
Fax: (512) 301-9552

Analytical Report

Pflugerville, City of

Report Printed: **2/18/25** **16:20**

I001046

Sample Preparation Summary

Sample	Method	Prepared	Lab	Bottle	Initial	Units	Final	Units	External Dilution Factor	Batch
I001046-01										
Aluminum	EPA 200.8 R5.4	1/16/25 11:25 ABM	Bryan	I	50.0	mL	25.0	mL	2.5	M188087
Ammonia as N	SM4500-NH3 G 2011	1/16/25 10:07 KMA	Bryan	H	10.0	mL	10.0	mL	1	M188096
Antimony	EPA 200.8 R5.4	1/16/25 11:25 ABM	Bryan	I	50.0	mL	25.0	mL	2.5	M188087
Arsenic	EPA 200.8 R5.4	1/16/25 11:25 ABM	Bryan	I	50.0	mL	25.0	mL	2.5	M188087
Barium	EPA 200.8 R5.4	1/16/25 11:25 ABM	Bryan	I	50.0	mL	25.0	mL	2.5	M188087
Beryllium	EPA 200.8 R5.4	1/16/25 11:25 ABM	Bryan	I	50.0	mL	25.0	mL	2.5	M188087
Cadmium	EPA 200.8 R5.4	1/16/25 11:25 ABM	Bryan	I	50.0	mL	25.0	mL	2.5	M188087
Carbonaceous BOD (5 day)	SM5210 B 2016	1/14/25 6:40 BAL	Austin	A	300	mL	300	mL	1	M187962
Chloride	SM4500-Cl- B 2011	1/20/25 8:30 MSA	Austin	C	25.0	mL	100	mL	1	M188215
Chromium	EPA 200.7 R4.4	1/16/25 11:25 ABM	Bryan	I	50.0	mL	25.0	mL	1	M188090
Copper	EPA 200.8 R5.4	1/16/25 11:25 ABM	Bryan	I	50.0	mL	25.0	mL	2.5	M188087
Fluoride	SM4500-F C 2011	1/20/25 7:42 ATG	Bryan	E	25.0	mL	25.0	mL	1	M188209
Hexavalent Chromium	USGS I-1230-85	1/30/25 13:15 MSA	Austin	F	25.0	mL	25.0	mL	1	M188732
Lead	EPA 200.8 R5.4	1/16/25 11:25 ABM	Bryan	I	50.0	mL	25.0	mL	2.5	M188087
Nickel	EPA 200.8 R5.4	1/16/25 11:25 ABM	Bryan	I	50.0	mL	25.0	mL	2.5	M188087
Nitrate/Nitrite as N	SM4500-NO3-F 2011	1/21/25 10:09 KMA	Bryan	H	10.0	mL	10.0	mL	1	M188283
Nitrite as N	SM4500 NO2- B 2011	1/15/25 7:45 MSA	Austin	D	12.5	mL	25.0	mL	1	M188007
Phosphorus (Total)	EPA 200.7 R4.4	1/15/25 14:51 KT	Austin	G	50.0	mL	25.0	mL	1	M188057
Selenium	EPA 200.8 R5.4	1/16/25 11:25 ABM	Bryan	I	50.0	mL	25.0	mL	2.5	M188087
Subcontract	Sub Contract Data Entry	2/17/25 13:28 PMY	Bryan	-	-	-	-	-	-	M189536
Sulfate as SO4(2-)	ASTM D516-16	1/27/25 9:59 BEB	Austin	C	25.0	mL	100	mL	1	M188314
Thallium	EPA 200.8 R5.4	1/16/25 11:25 ABM	Bryan	I	50.0	mL	25.0	mL	2.5	M188087
Total Dissolved Solids	SM2540 C 2015	1/17/25 12:19 KHA	Austin	C	50.0	mL	100	mL	1	M188171
Total Kjeldahl Nitrogen as N	EPA 351.2 R2.0	1/20/25 8:55 CTG	Bryan	H	25.0	mL	25.0	mL	1	M188218
Total Suspended Solids	SM2540 D 2015	1/14/25 9:47 CES	Austin	B	1000	mL	1000	mL	1	M187950
Zinc	EPA 200.8 R5.4	1/16/25 11:25 ABM	Bryan	I	50.0	mL	25.0	mL	2.5	M188087
I001046-03										
Subcontract	Sub Contract Data Entry	2/17/25 13:28 PMY	Bryan	-	-	-	-	-	-	M189536

AQUA-TECH LABORATORIES, INC.

Chain-of-Custody and Analysis Request

Aqua-Tech laboratories, Inc.

Austin	Bryan
3512 Montopolis Dr.	635 Phil Gramm Blvd.
Austin, TX 78744	Bryan, TX 77807
512.301.9559	979.778.3707

TCEQ LAB ID: T104704371

Test results meet all accreditation/certification requirements unless stated otherwise.

C-O-C # **I001046**

Page 1 of 2

rte_ATL COC 012723.rpt

Client / Project Name: Pflugerville, City of — Pflugerville WWTP Permit Renewal Comp

Contact Information

Name: Max Walther
Address: P.O. Box 589
City: Pflugerville
State: TX Zip: 78071
Phone: (512) 990-6400
email:

Definitions

DW Drinking Water
NP Non-Potable Water
S Solid
CM Custody Maintained
CTU Custody Transfer Unbroken
CT Corrected Temperature

Reagent tracking is available upon request.

Analyses Requested: "A" prefix indicates Austin, all others Bryan or Subcontracted, indicated by [SUB].
Name format: Analysis-Matrix-Technology-Method.

[NEL] = NELAP accredited parameter
[SUB] = NELAP accredited subcontracted parameter
[CNR] = No NELAP accreditation required or available
[INF] = Informational only (not NELAC certified)

By relinquishing the samples listed below to Aqua-Tech laboratories, Inc. (ATL), the client agrees to the following terms. Samples will be analyzed by a method that is within ATL's NELAP fields of accreditation (FoA). Analytes requiring an accredited method that is not within ATL's FoA will be subcontracted to a NELAP lab that is accredited for that method. Clients will be notified of the subcontract lab's details. Other analytes not requiring accreditation will be analyzed by a compendial method. If a specific method is required, the client will note the method in the "Analysis Requested" column. The client approves all method modifications documented by ATL or the subcontract lab.
A current list of ATL's NELAC fields of accreditation and other methods are available on request.

Sample Custody

	Name / Signature	Type	Date / Time	Condition
Relinquished (print & sign)		☒ Sampler ☐ Client ☐ ATL Field	Date 1-13-25 Time 0933	☐ Iced / Refrig ☐ Custody Sealed
Received (print & sign)	Ana Garza [signature]	☐ Client ☒ ATL Field	Date 1/13/25 Time ~~1020~~ 1149 MEC 1/13/27	☒ Iced / Refrig ☐ CM / CTU
Relinquished (print & sign)		☐ Client ☐ ATL Field	Date Time	☐ Iced / Refrig ☐ CM / CTU
Received (print & sign)		☐ Client ☐ ATL Field	Date Time	☐ Iced / Refrig ☒ CM / CTU
Relinquished (print & sign)	Ana Garza [signature]	☒ Client ☒ ATL Field	Date 01/13/25 Time 12:20	☒ Iced / Refrig ☒ CM / CTU / Sealed
Received (print & sign)	Ana Garza [signature]	Lab X	Date 01/13/25 Time 12:20	___ Cond Good X Iced / Refrig X CM / CTU X

Comments:
~~None~~ samples in cooler Y007
1.2/1.6 °C CT
disregard
<AC67

(ee)* - LAB RECEIPT - AQU7

Temperature - CT (C):	1.5
Preservation Correct:	Yes
Post-Preservatives:	N/A
Thermometer ID:	0811654
pH Paper ID:	0820913

Field Sample ID	Start Date	Start Time	End Date	End Time	Composite Type	Sample Matrix	Lab ID
Pflugerville WWTP Effluent	1-12-25	1000	1-13-25	0900	24hr comp	NP	I001046-01

Analyses:

A CBOD NP Probe SM 5210 B [NEL]
A NO3N NP CALC SM4500 [NEL]
A TDS NP Grav SM2540 C [NEL]
Al DW NP ICP-MS EPA 200.8 [NEL]
Be DW NP ICP-MS EPA 200.8 [NEL]
Chlorpyrifos NP (10054) GC EPA 622 [SUB]
Cr DW NP ICP-MS EPA 200.8 [NEL]
Cu DW NP ICP-MS EPA 200.8 [NEL]
Herbicides NP GC-ECD EPA 615 [SUB]
Mirex Dicofol NP GC EPA 608 [SUB]
NO3N + NO2N NP RFA SM4500 NO3 F [CNR]
PCB NP GC-ECD EPA 608 [SUB]
Sb DW NP ICP-MS EPA 200.8 [NEL]
TKN NP AUTO EPA 351.2 [NEL]
Y Billing Digest, Metals DW ICP [SUB]
A Cl NP Tit SM 4500 Cl- B [NEL]
A P NP ICP EPA 200.7 [NEL]
A TSS NP Grav SM 2540 D [NEL]
As DW NP ICP-MS EPA 200.8 [NEL]
Carbaryl NP HPLC EPA 632 [SUB]
Cr 3 Calc EPA 200.7 [NEL]
Cr NP ICP EPA 200.7 [NEL]
Diuron NP HPLC EPA 632 CNR [SUB] [INFSUB]
Hexachlorophene NP HPLC EPA 604.1 CNR [SUB] [IN
NH3N NP AUTO SM 4500 G [NEL]
Nonylphenol NP GC-MS ASTM 7065 CNR [SUB]
Pest NP (10054) GC EPA 608.3 [SUB]
Se DW NP ICP-MS EPA 200.8 [NEL]
TL DW NP ICP-MS EPA 200.8 [INF]
Y Billing Ship to Sub-Contract Lab
A NO2N NP Spec SM4500 NO2 B [NEL]
A SO4 NP Spec D516 [NEL]
Ag ICP-MS EPA 200.8 [SUB] [NEL]
Ba DW NP ICP-MS EPA 200.8 [NEL]
Cd DW NP ICP-MS EPA 200.8 [NEL]
Cr 6 NP Spec USGS I-1230-85 [NEL]
Cresols NP GCMS EPA 625 [SUB]
F NP Probe SM 4500 F- C [NEL]
Hg LL CVAA AF EPA 1631/245.7 NEL [SUB]
Ni DW NP ICP-MS EPA 200.8 [NEL]
Pb DW NP ICP-MS EPA 200.8 [NEL]
Pest Org P NP (10054) GC EPA 614 [SUB]
SV 10054/55 GC-MS EPA 625 [SUB]
Y Billing Digest, Metals Aq ICP
Zn DW NP ICP-MS EPA 200.8 [NEL]

Container (Checked box indicates bottle arrived in lab) **(Volume - Type - Preservative)**

☑ A CBOD 1LP
☑ B TSS 2LP *
☑ C CL SO4 TDS 1LP
☑ D NO2 0.25LP
☑ E Fi 0.5LP
☑ F Cr+6 0.25LP NaOH + Cr6 Buffer * pH >10
☑ G P 0.25LP H2SO4 pH<2
☑ H AMM NO3 TKN 0.25LP H2SO4 pH<2
☑ I Metals 1LP HNO3 pH<2
☑ J Carbaryl-Diuron 1LG
☑ K Cresols 1LG
☑ L Hexachlorophene 1LG
☑ M Herbicides 1LG *
☑ N Pest OrgPO4 1LG
☑ O Pesticides 1LG
☑ P PCB 1LG *
☑ Q Semivolatiles 1LG Amber
☑ R Semivolatiles 1LG Amber
☑ S [SUB] ANA 0.5LP HNO3 pH<2
☑ T [SUB] ANA Hg LL ANA 1L HCl pH<2 *
☑ U NONYLPHENOL 1LG H2SO4 pH<2
☑ V NONYLPHENOL 1LG H2SO4 pH<2
☑ W U 1 LG
☑ X U 1 LG

AQUA-TECH LABORATORIES, INC.

Chain-of-Custody and Analysis Request

C-O-C #
I001046
Page 2 of 2

Client : Pflugerville, City of

Field Sample ID	Start Date	Start Time	End Date	End Time	Composite Type	Sample Matrix	Container (Checked box indicates bottle arrived in lab) (Volume - Type - Preservative)	Lab ID
Pflugerville WWTP Effluent Hg Dup	1-12-25	1000	1-13-25	0900	not submitted 24hr comp	NP	☑ A [SUB] ANA Hg LL ANA 1L HCl	**I001046-02**
Hg LL CVAA-AF EPA 1631/245.7 NEL [SUB]								
Pflugerville WWTP Effluent Hg Blank	1-13-25	0920	- N/A -	- N/A -	Grab	NP	☑ A [SUB] ANA Hg LL ANA 1L HCL BLANK *	**I001046-03**
Hg LL CVAA-AF EPA 1631/245.7 NEL [SUB]								

U
SR 1/20/25

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

Project
1132181

AQU1-G

AquaTech Laboratories
John Brien
635 Phil Gramm Blvd.
Bryan, TX 77807-9104

Printed 01/31/2025
12:40

TABLE OF CONTENTS

I001046

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

Email: Kilgore.ProjectManagement@spllabs.com

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

SAMPLE CROSS REFERENCE

Project
1132181

AquaTech Laboratories
John Brien
635 Phil Gramm Blvd.
Bryan, TX 77807-9104

Sample	Sample ID	Taken	Time	Received
2372172	*I001046-01*	01/13/2025	09:00:00	01/14/2025

Bottle 01 Client Supplied Amber Glass
Bottle 02 Client Supplied Amber Glass
Bottle 03 Client Supplied Amber Glass
Bottle 04 Client Supplied Amber Glass
Bottle 05 Client Supplied Amber Glass
Bottle 06 Client Supplied Amber Glass
Bottle 07 Client Supplied Amber Glass
Bottle 08 Client Supplied Amber Glass
Bottle 09 Client Supplied Amber Glass
Bottle 10 Client supplied H2SO4 Amber Glass
Bottle 11 Client supplied HNO3 to pH <2
Bottle 12 Glass /clean metals w/HCl
Bottle 13 Prepared Bottle: 2 mL Autosampler Vial (Batch 1156011) Volume: 5.00000 mL <== Derived from 01 (976 ml)
Bottle 14 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1156014) Volume: 1.00000 mL <== Derived from 02 (972 ml)
Bottle 15 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1156015) Volume: 1.00000 mL <== Derived from 02 (972 ml)
Bottle 16 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1156016) Volume: 1.00000 mL <== Derived from 02 (972 ml)
Bottle 17 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1156017) Volume: 1.00000 mL <== Derived from 02 (972 ml)
Bottle 18 Prepared Bottle: ICP Preparation for Metals (Batch 1156160) Volume: 50.00000 mL <== Derived from 11 (50 ml)
Bottle 19 Prepared Bottle: 2 mL Autosampler Vial (Batch 1156013) Volume: 1.00000 mL <== Derived from 03 (1014 ml)
Bottle 20 Prepared Bottle: 2 mL Autosampler Vial (Batch 1156968) Volume: 10.00000 mL <== Derived from 04 (1003 ml)
Bottle 21 Prepared Bottle: 2 mL Autosampler Vial (Batch 1157307) Volume: 1.00000 mL <== Derived from 10 (975 ml)
Bottle 22 Prepared Bottle: Mercury Preparation for Metals (Batch 1157940) Volume: 50.00000 mL <== Derived from 12 (47 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 608.3	15	1156015	01/14/2025	1157386	01/16/2025
EPA 608.3	15	1156015	01/14/2025	1157971	01/23/2025
EPA 608.3	17	1156017	01/14/2025	1157526	01/16/2025
EPA 615	20	1156968	01/20/2025	1157331	01/22/2025
EPA 632	14	1156014	01/14/2025	1157513	01/23/2025
EPA 604.1	13	1156011	01/14/2025	1157754	01/22/2025
EPA 617	15	1156015	01/14/2025	1157383	01/16/2025
EPA 625.1	19	1156013	01/14/2025	1157087	01/17/2025
EPA 614	16	1156016	01/14/2025	1157863	01/15/2025
ASTM D7065-11	21	1157307	01/22/2025	1158098	01/27/2025
EPA 200.8 5.4	18	1156160	01/15/2025	1156575	01/16/2025
EPA 245.7 2	22	1157940	01/27/2025	1157980	01/27/2025
EPA 622	16	1156016	01/14/2025	1157860	01/15/2025

Sample	Sample ID	Taken	Time	Received

Email: Kilgore.ProjectManagement@spllabs.com

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SAMPLE CROSS REFERENCE

Project
1132181

AquaTech Laboratories
John Brien
635 Phil Gramm Blvd.
Bryan, TX 77807-9104

2372180	*I001046-03*	01/13/2025	09:20:00	01/14/2025

Bottle 01 Glass /clean metals w/HCl
Bottle 02 Prepared Bottle: Mercury Preparation for Metals (Batch 1157250) Volume: 50.00000 mL <== Derived from 01 (47 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 245.7 2	02	1157250	01/22/2025	1157358	01/22/2025

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SPL The Science of Sure

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Project 1132181

AquaTech Laboratories
John Brien
635 Phil Gramm Blvd.
Bryan, TX 77807-9104

Printed: 01/31/2025

I001046

RESULTS

Sample Results

2372172 **I001046-01** Received: 01/14/2025

Non-Potable Water | Collected by: Client | AquaTech Laboratorie | PO: I001046

Taken: 01/13/2025 09:00:00

ASTM D7065-11 Prepared: 1157307 01/22/2025 13:15:00 Analyzed 1158098 01/27/2025 17:33:00 DWL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
z	**Nonylphenol**	**<30.8**	**ug/L**	30.8	S	**25154-52-3**	21

EPA 200.8 5.4 Prepared: 1156160 01/15/2025 08:00:00 Analyzed 1156575 01/16/2025 23:41:00 HLT

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Silver, Total**	**<0.000276**	**mg/L**	0.000276		**7440-22-4**	18

EPA 245.7 2 Prepared: 1157940 01/27/2025 14:30:00 Analyzed 1157980 01/27/2025 18:09:00 MP1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Mercury, Total (low level)**	**<1.28**	**ng/L**	1.28		**7439-97-6**	22

EPA 604.1 Prepared: 1156011 01/15/2025 06:40:00 Analyzed 1157754 01/22/2025 05:07:00 BRU

	Parameter	Results	Units	RL	Flags	CAS	Bottle
z	**Hexachlorophene**	**<2.56**	**ug/L**	2.56		**70-30-4**	13

EPA 608.3 Prepared: 1156015 01/15/2025 10:20:00 Analyzed 1157386 01/16/2025 15:16:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**4,4-DDD**	**<0.0103**	**ug/L**	0.0103		**72-54-8**	15
NELAC	**4,4-DDE**	**<0.0103**	**ug/L**	0.0103		**72-55-9**	15
NELAC	**4,4-DDT**	**<0.0103**	**ug/L**	0.0103		**50-29-3**	15
NELAC	**Aldrin**	**<0.010**	**ug/L**	0.010		**309-00-2**	15
NELAC	**Alpha-BHC(hexachlorocyclohexane)**	**<0.0103**	**ug/L**	0.0103		**319-84-6**	15
NELAC	**Beta-BHC(hexachlorocyclohexane)**	**0.0256**	**ug/L**	0.0103		**319-85-7**	15
NELAC	**Chlordane**	**<0.200**	**ug/L**	0.200		**57-74-9**	15
NELAC	**Delta-BHC(hexachlorocyclohexane)**	**<0.0103**	**ug/L**	0.0103		**319-86-8**	15
NELAC	**Dieldrin**	**<0.0103**	**ug/L**	0.0103		**60-57-1**	15

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Project 1132181

AquaTech Laboratories
John Brien
635 Phil Gramm Blvd.
Bryan, TX 77807-9104

Printed: 01/31/2025

2372172 **I001046-01** Received: 01/14/2025

Non-Potable Water | Collected by: Client | AquaTech Laboratorie | PO: I001046

Taken: 01/13/2025 09:00:00

EPA 608.3 Prepared: 1156015 01/15/2025 10:20:00 Analyzed 1157386 01/16/2025 15:16:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Endosulfan I (alpha)	<0.010	ug/L	0.010		959-98-8	15
NELAC	Endosulfan II (beta)	<0.0103	ug/L	0.0103		33213-65-9	15
NELAC	Endosulfan sulfate	<0.0103	ug/L	0.0103		1031-07-8	15
NELAC	Endrin	<0.0103	ug/L	0.0103		72-20-8	15
NELAC	Gamma-BHC(Lindane)	<0.0103	ug/L	0.0103		58-89-9	15
NELAC	Heptachlor	<0.010	ug/L	0.010		76-44-8	15
NELAC	Heptachlor epoxide	<0.010	ug/L	0.010		1024-57-3	15
NELAC	Toxaphene	<0.206	ug/L	0.206		8001-35-2	15

EPA 608.3 Prepared: 1156015 01/15/2025 10:20:00 Analyzed 1157971 01/23/2025 08:15:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Endrin aldehyde	<0.00103	ug/L	0.00103	S	7421-93-4	15

EPA 608.3 Prepared: 1156017 01/15/2025 10:20:00 Analyzed 1157526 01/16/2025 15:16:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	PCB-1016	<0.200	ug/L	0.200	X	12674-11-2	17
NELAC	PCB-1221	<0.200	ug/L	0.200		11104-28-2	17
NELAC	PCB-1232	<0.200	ug/L	0.200		11141-16-5	17
NELAC	PCB-1242	<0.200	ug/L	0.200		53469-21-9	17
NELAC	PCB-1248	<0.200	ug/L	0.200		12672-29-6	17
NELAC	PCB-1254	<0.200	ug/L	0.200		11097-69-1	17
NELAC	PCB-1260	<0.200	ug/L	0.200	X	11096-82-5	17
NELAC	PCB-1262	<0.206	ug/L	0.206		37324-23-5	17
NELAC	PCB-1268	<0.206	ug/L	0.206		11100-14-4	17

EPA 614 Prepared: 1156016 01/15/2025 10:20:00 Analyzed 1157863 01/15/2025 23:20:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Azinphos-methyl (Guthion)	<0.0514	ug/L	0.0514		86-50-0	16
NELAC	Demeton	<0.0514	ug/L	0.0514		8065-48-3	16
NELAC	Diazinon	<0.0514	ug/L	0.0514		333-41-5	16
NELAC	Malathion	<0.0514	ug/L	0.0514		121-75-5	16
NELAC	Parathion, ethyl	<0.0514	ug/L	0.0514	X	56-38-2	16
NELAC	Parathion, methyl	<0.050	ug/L	0.050		298-00-0	16

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2372172 **I001046-01** Received: 01/14/2025

Non-Potable Water | Collected by: Client | AquaTech Laboratorie | PO: I001046

Taken: 01/13/2025 09:00:00

EPA 615 Prepared: 1156968 01/20/2025 15:00:00 Analyzed 1157331 01/22/2025 01:41:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	2,4 Dichlorophenoxyacetic acid	<0.499	ug/L	0.499		94-75-7	20
NELAC	2,4,5-TP (Silvex)	<0.299	ug/L	0.299		93-72-1	20

EPA 617 Prepared: 1156015 01/15/2025 10:20:00 Analyzed 1157383 01/16/2025 15:16:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
z	Kelthane (Dicofol)	<0.0514	ug/L	0.0514	X	115-32-2	15
z	Methoxychlor	<0.0103	ug/L	0.0103		72-43-5	15
z	Mirex	<0.0103	ug/L	0.0103		2385-85-5	15

EPA 622 Prepared: 1156016 01/15/2025 10:20:00 Analyzed 1157860 01/15/2025 23:20:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Chlorpyrifos	<0.050	ug/L	0.050		2921-88-2	16

EPA 625.1 Prepared: 1156013 01/15/2025 13:35:00 Analyzed 1157087 01/17/2025 18:00:00 PM1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	1,2,4,5-Tetrachlorobenzene	<0.986	ug/L	0.986		95-94-3	19
NELAC	1,2,4-Trichlorobenzene	<0.986	ug/L	0.986		120-82-1	19
NELAC	1,2-Dichlorobenzene	<0.986	ug/L	0.986		95-50-1	19
NELAC	1,2-DPH (as azobenzene)	<0.986	ug/L	0.986		122-66-7	19
NELAC	1,3-Dichlorobenzene	<0.986	ug/L	0.986		541-73-1	19
NELAC	1,4-Dichlorobenzene	<0.986	ug/L	0.986		106-46-7	19
NELAC	2,4,5-Trichlorophenol	<0.986	ug/L	0.986		95-95-4	19
NELAC	2,4,6-Trichlorophenol	<0.986	ug/L	0.986		88-06-2	19
NELAC	2,4-Dichlorophenol	<0.986	ug/L	0.986		120-83-2	19
NELAC	2,4-Dimethylphenol	<2.37	ug/L	2.37	S	105-67-9	19
NELAC	2,4-Dinitrophenol	<8.88	ug/L	8.88		51-28-5	19
NELAC	2,4-Dinitrotoluene	<3.45	ug/L	3.45		121-14-2	19
NELAC	2,6-Dinitrotoluene	<0.986	ug/L	0.986		606-20-2	19
NELAC	2-Chloronaphthalene	<0.986	ug/L	0.986		91-58-7	19
NELAC	2-Chlorophenol	<0.986	ug/L	0.986		95-57-8	19
NELAC	2-Methylphenol (o-Cresol)	<5.13	ug/L	5.13		95-48-7	19
NELAC	2-Nitrophenol	<0.986	ug/L	0.986		88-75-5	19

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Printed: 01/31/2025

2372172 I001046-01 Received: 01/14/2025

Non-Potable Water Collected by: Client AquaTech Laboratorie PO: I001046
Taken: 01/13/2025 09:00:00

EPA 625.1 Prepared: 1156013 01/15/2025 13:35:00 Analyzed 1157087 01/17/2025 18:00:00 PM1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	3&4-Methylphenol (m&p-Cresol)	<6.11	ug/L	6.11		MEPH34	19
NELAC	3,3'-Dichlorobenzidine	<4.93	ug/L	4.93		91-94-1	19
NELAC	4,6-Dinitro-2-methylphenol	<7.89	ug/L	7.89		534-52-1	19
NELAC	4-Bromophenyl phenyl ether	<0.986	ug/L	0.986		101-55-3	19
NELAC	4-Chlorophenyl phenyl ethe	<0.986	ug/L	0.986		7005-72-3	19
NELAC	4-Nitrophenol	<0.986	ug/L	0.986		100-02-7	19
NELAC	Acenaphthene	<0.986	ug/L	0.986		83-32-9	19
NELAC	Acenaphthylene	<0.986	ug/L	0.986		208-96-8	19
z	Aniline	<0.986	ug/L	0.986	S	62-53-3	19
NELAC	Anthracene	<0.986	ug/L	0.986		120-12-7	19
NELAC	Benzidine	<19.7	ug/L	19.7		92-87-5	19
NELAC	Benzo(a)anthracene	<0.986	ug/L	0.986		56-55-3	19
NELAC	Benzo(a)pyrene	<0.986	ug/L	0.986		50-32-8	19
NELAC	Benzo(b)fluoranthene	<0.986	ug/L	0.986		205-99-2	19
NELAC	Benzo(ghi)perylene	<0.986	ug/L	0.986		191-24-2	19
NELAC	Benzo(k)fluoranthene	<0.986	ug/L	0.986		207-08-9	19
NELAC	Benzyl Butyl phthalate	0.888	ug/L	7.40	J	85-68-7	19
NELAC	Bis(2-chloroethoxy)methane	<0.986	ug/L	0.986		111-91-1	19
NELAC	Bis(2-chloroethyl)ether	<0.986	ug/L	0.986		111-44-4	19
NELAC	Bis(2-chloroisopropyl)ether	<0.986	ug/L	0.986		108-60-1	19
NELAC	Bis(2-ethylhexyl)phthalate	<7.40	ug/L	7.40		117-81-7	19
NELAC	Chrysene (Benzo(a)phenanthrene)	<0.986	ug/L	0.986		218-01-9	19
NELAC	Dibenz(a,h)anthracene	<0.986	ug/L	0.986		53-70-3	19
NELAC	Diethyl phthalate	<5.62	ug/L	5.62		84-66-2	19
NELAC	Dimethyl phthalate	<4.73	ug/L	4.73		131-11-3	19
NELAC	Di-n-butylphthalate	<7.40	ug/L	7.40		84-74-2	19
NELAC	Di-n-octylphthalate	<0.986	ug/L	0.986		117-84-0	19
NELAC	Fluoranthene(Benzo(j,k)fluorene)	<0.986	ug/L	0.986		206-44-0	19
NELAC	Fluorene	<0.986	ug/L	0.986		86-73-7	19
NELAC	Hexachlorobenzene	<0.986	ug/L	0.986		118-74-1	19
NELAC	Hexachlorobutadiene	<0.986	ug/L	0.986		87-68-3	19
NELAC	Hexachlorocyclopentadiene	<8.88	ug/L	8.88		77-47-4	19
NELAC	Hexachloroethane	<0.986	ug/L	0.986		67-72-1	19
NELAC	Indeno(1,2,3-cd)pyrene	<0.986	ug/L	0.986		193-39-5	19
NELAC	Isophorone	<0.986	ug/L	0.986		78-59-1	19
NELAC	Naphthalene	<0.986	ug/L	0.986		91-20-3	19

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Printed: 01/31/2025

2372172 **I001046-01** Received: 01/14/2025

Non-Potable Water | Collected by: Client | AquaTech Laboratorie | PO: I001046
Taken: 01/13/2025 09:00:00

EPA 625.1 Prepared: 1156013 01/15/2025 13:35:00 Analyzed 1157087 01/17/2025 18:00:00 PM1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Nitrobenzene	<0.986	ug/L	0.986		98-95-3	19
NELAC	n-Nitrosodiethylamine	<0.986	ug/L	0.986		55-18-5	19
NELAC	N-Nitrosodimethylamine	<6.90	ug/L	6.90		62-75-9	19
NELAC	n-Nitroso-di-n-butylamine	<0.986	ug/L	0.986		924-16-3	19
NELAC	N-Nitrosodi-n-propylamine	<0.986	ug/L	0.986		621-64-7	19
NELAC	N-Nitrosodiphenylamine (as DPA	<0.986	ug/L	0.986		86-30-6	19
NELAC	p-Chloro-m-Cresol (4-Chloro-3-me	<2.37	ug/L	2.37		59-50-7	19
NELAC	Pentachlorobenzene	<0.986	ug/L	0.986		608-93-5	19
NELAC	Pentachlorophenol	<0.986	ug/L	0.986		87-86-5	19
NELAC	Phenanthrene	<0.986	ug/L	0.986		85-01-8	19
NELAC	Phenol	<1.48	ug/L	1.48		108-95-2	19
NELAC	Pyrene	<0.986	ug/L	0.986	X	129-00-0	19
NELAC	Pyridine	<5.33	ug/L	5.33		110-86-1	19

EPA 625.1 Prepared: 1156013 01/15/2025 13:35:00 Calculated 1157087 01/21/2025 17:24:59 CAL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Cresols Total	<6.11	ug/L	6.11		1319-77-3, etc.	19

EPA 632 Prepared: 1156014 01/15/2025 10:20:00 Analyzed 1157513 01/23/2025 03:38:00 BRU

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Carbaryl (Sevin)	<2.57	ug/L	2.57		63-25-2	14
z	Diuron	<0.0463	ug/L	0.0463		330-54-1	14

2372180 **I001046-03** Received: 01/14/2025

Non-Potable Water | Collected by: Client | AquaTech Laboratorie | PO: I001046
Taken: 01/13/2025 09:20:00

EPA 245.7 2 Prepared: 1157250 01/22/2025 10:00:00 Analyzed 1157358 01/22/2025 13:03:00 MP1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Mercury, Total (low level)	<1.28	ng/L	1.28		7439-97-6	02

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Sample Preparation

2372172 **I001046-01** Received: 01/14/2025

I001046

01/13/2025

		Prepared:		*01/31/2025*	*12:35:00*	*Analyzed*		*01/31/2025*	*12:35:00*	*WJP*
z	**Check Limits**	**Completed**								
	ASTM D7065-17	*Prepared:*	*1157307*	*01/22/2025*	*13:15:00*	*Analyzed*	*1158098*	*01/27/2025*	*17:33:00*	*DWL*
z	**Nonyl Phenol Expansion**	**Entered**								21
	EPA 200.2 2.8	*Prepared:*	*1156160*	*01/15/2025*	*08:00:00*	*Analyzed*	*1156160*	*01/15/2025*	*08:00:00*	*HLT*
z	**Liquid Metals Digestion**	**50/50**	**ml**							11
	EPA 245.7 2	*Prepared:*	*1157940*	*01/27/2025*	*14:30:00*	*Analyzed*	*1157940*	*01/27/2025*	*14:30:00*	*MP1*
NELAC	**Low Level Mercury Liquid Metals**	**50/47**	**ml**							12
	EPA 604.1	*Prepared:*	*1156011*	*01/15/2025*	*06:40:00*	*Analyzed*	*1156011*	*01/15/2025*	*06:40:00*	*MCC*
	Hexachlorophene Extraction	**5/976**	**ml**							01
	EPA 604.1	*Prepared:*	*1156011*	*01/15/2025*	*06:40:00*	*Analyzed*	*1157754*	*01/22/2025*	*05:07:00*	*BRU*
	Hexachlorophene Expansion	**Entered**						**70-30-4**		13
	EPA 608.3	*Prepared:*	*1156015*	*01/15/2025*	*10:20:00*	*Analyzed*	*1156015*	*01/15/2025*	*10:20:00*	*MCC*
	Liquid-Liquid Extr. W/Hex Ex	**1/972**	**ml**							02

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2372172 **I001046-01** Received: 01/14/2025

I001046

01/13/2025

	EPA 608.3	*Prepared:*	*1156015*	*01/15/2025*	*10:20:00*	*Analyzed*	*1157971*	*01/23/2025*	*08:15:00*	*KAP*
NELAC	**TTO Pesticides**	**Entered**								15
	EPA 608.3	*Prepared:*	*1156016*	*01/15/2025*	*10:20:00*	*Analyzed*	*1156016*	*01/15/2025*	*10:20:00*	*MCC*
	Solvent Extraction	**1/972**	**ml**							02
	EPA 608.3	*Prepared:*	*1156017*	*01/15/2025*	*10:20:00*	*Analyzed*	*1156017*	*01/15/2025*	*10:20:00*	*MCC*
	PCB Liq-Liq Extr. W/Hex Exch.	**1/972**	**ml**							02
	EPA 608.3	*Prepared:*	*1156017*	*01/15/2025*	*10:20:00*	*Analyzed*	*1157526*	*01/16/2025*	*15:16:00*	*KAP*
NELAC	**Polychlorinated Biphenyls**	**Entered**								17
	EPA 614	*Prepared:*	*1156016*	*01/15/2025*	*10:20:00*	*Analyzed*	*1157863*	*01/15/2025*	*23:20:00*	*KAP*
z	**Permit Organophos. Pesticides**	**Entered**								16
	EPA 615	*Prepared:*	*1156968*	*01/20/2025*	*15:00:00*	*Analyzed*	*1156968*	*01/20/2025*	*15:00:00*	*CRS*
NELAC	**Esterification of Sample**	**10/1003**	**ml**							04
	EPA 615	*Prepared:*	*1156968*	*01/20/2025*	*15:00:00*	*Analyzed*	*1157331*	*01/22/2025*	*01:41:00*	*KAP*
NELAC	**Herbicides by GC**	**Entered**								20
	EPA 617	*Prepared:*	*1156015*	*01/15/2025*	*10:20:00*	*Analyzed*	*1157383*	*01/16/2025*	*15:16:00*	*KAP*
z	**For use with !PPR only**	**Entered**								15

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2372172 **I001046-01** Received: 01/14/2025

I001046

01/13/2025

EPA 622	*Prepared:*	*1156016*	*01/15/2025*	*10:20:00*	*Analyzed*	*1157860*	*01/15/2025*	*23:20:00*	*KAP*

NELAC	**For use with EXP !CPP only**	**Entered**	16

EPA 625.1	*Prepared:*	*1156013*	*01/15/2025*	*13:35:00*	*Analyzed*	*1156013*	*01/15/2025*	*13:35:00*	*MCC*

	Liquid-Liquid Extraction, BNA	**1/1014 ml**	03

EPA 625.1	*Prepared:*	*1156013*	*01/15/2025*	*13:35:00*	*Analyzed*	*1157087*	*01/17/2025*	*18:00:00*	*PM1*

NELAC	**Table D-1/ D-2 Semivolatiles Exp**	**Entered**	19

EPA 625.1	*Prepared:*	*1157307*	*01/22/2025*	*13:15:00*	*Analyzed*	*1157307*	*01/22/2025*	*13:15:00*	*CRS*

	Nonylphenol Liq-Liq Extract	**1/975 ml**	10

EPA 632	*Prepared:*	*1156014*	*01/15/2025*	*10:20:00*	*Analyzed*	*1156014*	*01/15/2025*	*10:20:00*	*MCC*

	Liquid-Liquid Extr. W/Hex Ex	**1/972 ml**	02

EPA 632	*Prepared:*	*1156014*	*01/15/2025*	*10:20:00*	*Analyzed*	*1157513*	*01/23/2025*	*03:38:00*	*BRU*

NELAC	**Carbaryl/Diuron**	**Entered**	14

2372180 **I001046-03** Received: 01/14/2025

I001046

01/13/2025

EPA 245.7 2	*Prepared:*	*1157250*	*01/22/2025*	*10:00:00*	*Analyzed*	*1157250*	*01/22/2025*	*10:00:00*	*MP1*

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Printed: 01/31/2025

2372180 I001046-03 Received: 01/14/2025

I001046

01/13/2025

EPA 245.7 2			Prepared:	1157250	01/22/2025	10:00:00	Analyzed	1157250	01/22/2025	10:00:00	MP1
NELAC	Low Level Mercury Liquid Metals	50/47	ml								01

Qualifiers:

J - Analyte detected below quantitation limit
S - Standard reads lower than desired
X - Standard reads higher than desired.

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

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RESULTS

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AQU1

Printed 01/31/2025

I001046

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CAS	Parameter	Results	MDL	SDL	MQL	MQLAdj	Flag	Units	Target	Bottle	Dilute
Non-Potable Water	**Administrative**									**EPA 625.1**	
2372172	I001046-01										
		Collection:	01/13/2025	09:00:00	Client				*Received:*	01/14/2025	
	Prepared: 1156013			*Analyzed:*	1157087			1/21/25	17:24:59		
1319-77-3, etc.	**Cresols Total**	**ND**	6.15	6.07	6.20	6.11		**ug/L**	10.0	19	1.00

MDL is Method Detection Limit (40 CFR 136 Appendix B)
SDL is Sample Detection Limit and is the adjusted MDL (sample specific dilutions, dry weight)
MQL is the Method Quantitation Limit and corresponds to a low standard
MQLADJ is the Adjusted Method Quantitation Limit (dilutions, dry weight)
Qualifiers:

J - Analyte detected below quantitation limit
X - Standard reads higher than desired.
S - Standard reads lower than desired

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

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

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RESULTS

Project
1132181

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I001046

AQU1

AquaTech Laboratories
John Brien
635 Phil Gramm Blvd.
Bryan, TX 77807-9104

Bill Peery, MS, VP Technical Services

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CAS	Parameter	Results	MDL	SDL	MQL	MQLAdj	Flag	Units	Target	Bottle	Dilute
Non-Potable Water	**Metals**										**EPA 200.8 5.4**
2372172	**I001046-01**										
		Collection:	01/13/2025		09:00:00	Client			*Received:*	01/14/2025	
	Prepared: ***1156160***										
				Analyzed:		***1156575***		1/16/25	23:41:00		
7440-22-4	**Silver, Total**	**ND**	0.000276	0.000276	0.001	0.001		**mg/L**	0.0005	18	1.00
Non-Potable Water	**Metals**										**EPA 245.7 2**
2372172	**I001046-01**										
		Collection:	01/13/2025		09:00:00	Client			*Received:*	01/14/2025	
	Prepared: ***1157940***										
				Analyzed:		***1157980***		1/27/25	18:09:00		
7439-97-6	**Mercury, Total (low level)**	**ND**	1.20	1.28	4.00	4.26		**ng/L**	5000	22	1.06
2372180	**I001046-03**										
		Collection:	01/13/2025		09:20:00	Client			*Received:*	01/14/2025	
	Prepared: ***1157250***										
				Analyzed:		***1157358***		1/22/25	13:03:00		
7439-97-6	**Mercury, Total (low level)**	**ND**	1.20	1.28	4.00	4.26		**ng/L**	5000	02	1.06

MDL is Method Detection Limit (40 CFR 136 Appendix B)
SDL is Sample Detection Limit and is the adjusted MDL (sample specific dilutions, dry weight)
MQL is the Method Quantitation Limit and corresponds to a low standard
MQLADJ is the Adjusted Method Quantitation Limit (dilutions, dry weight)

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Qualifiers:

J - Analyte detected below quantitation limit
S - Standard reads lower than desired
X - Standard reads higher than desired.

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.

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Bill Peery

Bill Peery, MS, VP Technical Services

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CAS	Parameter	Results	MDL	SDL	MQL	MQLAdj	Flag	Units	Target	Bottle	Dilute
Non-Potable Water	**Organics**									**ASTM D7065-11**	
2372172	I001046-01										
		Collection:	01/13/2025	09:00:00	Client				*Received:*	01/14/2025	
	Prepared: 1157307										
				Analyzed:		1158098		1/27/25	17:33:00		
25154-52-3	**Nonylphenol**	**ND**	5.00	5.13	30.0	30.8	S	**ug/L**	333	21	1.03
Non-Potable Water	**Organics**									**EPA 604.1**	
2372172	I001046-01										
		Collection:	01/13/2025	09:00:00	Client				*Received:*	01/14/2025	
	Prepared: 1156011										
				Analyzed:		1157754		1/22/25	05:07:00		
70-30-4	**Hexachlorophene**	**ND**	0.890	0.912	2.50	2.56		**ug/L**	10.0	13	1.02
Non-Potable Water	**Organics**									**EPA 608.3**	
2372172	I001046-01										
		Collection:	01/13/2025	09:00:00	Client				*Received:*	01/14/2025	
	Prepared: 1156015										
				Analyzed:		1157386		1/16/25	15:16:00		
72-54-8	**4,4-DDD**	**ND**	0.731	0.00752	1.00	0.0103		**ug/L**	0.100	15	0.01
72-55-9	**4,4-DDE**	**ND**	0.361	0.00371	1.00	0.0103		**ug/L**	0.100	15	0.01
50-29-3	**4,4-DDT**	**ND**	0.862	0.00887	1.00	0.0103		**ug/L**	0.020	15	0.01

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CAS	Parameter	Results	MDL	SDL	MQL	MQLAdj	Flag	Units	Target	Bottle	Dilute
Non-Potable Water	**Organics**									**EPA 608.3**	
309-00-2	**Aldrin**	**ND**	0.260	0.00267	1.00	0.0103		**ug/L**	0.010	15	0.01
319-84-6	**Alpha-BHC(hexachlorocyclohexane)**	**ND**	0.280	0.00288	1.00	0.0103		**ug/L**	0.050	15	0.01
319-85-7	**Beta-BHC(hexachlorocyclohexane)**	**0.0256**	0.579	0.00596	1.00	0.0103		**ug/L**	0.050	15	0.01
57-74-9	**Chlordane**	**ND**	18.3	0.188	20.0	0.206		**ug/L**	0.200	15	0.01
319-86-8	**Delta-BHC(hexachlorocyclohexane)**	**ND**	0.898	0.00924	1.00	0.0103		**ug/L**	0.050	15	0.01
60-57-1	**Dieldrin**	**ND**	0.162	0.00167	1.00	0.0103		**ug/L**	0.020	15	0.01
959-98-8	**Endosulfan I (alpha)**	**ND**	0.679	0.00699	1.00	0.0103		**ug/L**	0.010	15	0.01
33213-65-9	**Endosulfan II (beta)**	**ND**	0.356	0.00366	1.00	0.0103		**ug/L**	0.020	15	0.01
1031-07-8	**Endosulfan sulfate**	**ND**	0.588	0.00605	1.00	0.0103		**ug/L**	0.100	15	0.01
72-20-8	**Endrin**	**ND**	0.538	0.00553	1.00	0.0103		**ug/L**	0.020	15	0.01
58-89-9	**Gamma-BHC(Lindane)**	**ND**	0.385	0.00396	1.00	0.0103		**ug/L**	0.050	15	0.01
76-44-8	**Heptachlor**	**ND**	0.207	0.00213	1.00	0.0103		**ug/L**	0.010	15	0.01
1024-57-3	**Heptachlor epoxide**	**ND**	0.660	0.00679	1.00	0.0103		**ug/L**	0.010	15	0.01
8001-35-2	**Toxaphene**	**ND**	16.9	0.174	20.0	0.206		**ug/L**	0.300	15	0.01
				Analyzed:		***1157971***		1/23/25	08:15:00		
7421-93-4	**Endrin aldehyde**	**ND**	0.699	0.000719	1.00	0.00103	S	**ug/L**	0.100	15	0.00
Prepared:	***1156017***										
				Analyzed:		***1157526***		1/16/25	15:16:00		
12674-11-2	**PCB-1016**	**ND**	0.202	0.208	0.202	0.208	X	**ug/L**	0.200	! 17	1.03
11104-28-2	**PCB-1221**	**ND**	0.143	0.147	0.200	0.206		**ug/L**	0.200	17	1.03
11141-16-5	**PCB-1232**	**ND**	0.143	0.147	0.200	0.206		**ug/L**	0.200	17	1.03
53469-21-9	**PCB-1242**	**ND**	0.192	0.198	0.200	0.206		**ug/L**	0.200	17	1.03
12672-29-6	**PCB-1248**	**ND**	0.143	0.147	0.200	0.206		**ug/L**	0.200	17	1.03
11097-69-1	**PCB-1254**	**ND**	0.143	0.147	0.200	0.206		**ug/L**	0.200	17	1.03
11096-82-5	**PCB-1260**	**ND**	0.161	0.166	0.200	0.206	X	**ug/L**	0.200	17	1.03

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CAS	Parameter	Results	MDL	SDL	MQL	MQLAdj	Flag	Units	Target	Bottle	Dilute
Non-Potable Water	**Organics**									**EPA 608.3**	
37324-23-5	**PCB-1262**	**ND**	0.198	0.204	0.200	0.206		**ug/L**		17	1.03
11100-14-4	**PCB-1268**	**ND**	0.143	0.147	0.200	0.206		**ug/L**		17	1.03
Non-Potable Water	**Organics**									**EPA 614**	
2372172	**I001046-01**										
		Collection:	01/13/2025	09:00:00	Client			*Received:*	01/14/2025		
	Prepared: ***1156016***										
				Analyzed:	***1157863***			1/15/25	23:20:00		
86-50-0	**Azinphos-methyl (Guthion)**	**ND**	41.4	0.0426	50.0	0.0514		**ug/L**	0.100	16	0.00
8065-48-3	**Demeton**	**ND**	31.9	0.0328	50.0	0.0514		**ug/L**	0.200	16	0.00
333-41-5	**Diazinon**	**ND**	19.7	0.0203	50.0	0.0514		**ug/L**	0.100	16	0.00
121-75-5	**Malathion**	**ND**	24.8	0.0255	50.0	0.0514		**ug/L**	0.100	16	0.00
56-38-2	**Parathion, ethyl**	**ND**	23.9	0.0246	50.0	0.0514	X	**ug/L**	0.100	16	0.00
298-00-0	**Parathion, methyl**	**ND**	27.4	0.0282	50.0	0.0514		**ug/L**	0.050	16	0.00
Non-Potable Water	**Organics**									**EPA 615**	
2372172	**I001046-01**										
		Collection:	01/13/2025	09:00:00	Client			*Received:*	01/14/2025		
	Prepared: ***1156968***										
				Analyzed:	***1157331***			1/22/25	01:41:00		
94-75-7	**2,4 Dichlorophenoxyacetic acid**	**ND**	15.9	0.159	50.0	0.499		**ug/L**	0.700	20	0.01
93-72-1	**2,4,5-TP (Silvex)**	**ND**	8.93	0.0891	30.0	0.299		**ug/L**	0.300	20	0.01

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CAS	Parameter	Results	MDL	SDL	MQL	MQLAdj	Flag	Units	Target	Bottle	Dilute
Non-Potable Water	**Organics**									**EPA 617**	
2372172	**I001046-01**										
		Collection:	01/13/2025	09:00:00	Client				*Received:*	01/14/2025	
	Prepared: ***1156015***										
				Analyzed:	***1157383***			1/16/25	15:16:00		
115-32-2	**Kelthane (Dicofol)**	**ND**	3.52	0.0362	5.00	0.0514	X	**ug/L**	1.00	15	0.01
72-43-5	**Methoxychlor**	**ND**	0.897	0.00923	1.00	0.0103		**ug/L**	2.00	15	0.01
2385-85-5	**Mirex**	**ND**	0.905	0.00931	1.00	0.0103		**ug/L**	0.020	15	0.01
Non-Potable Water	**Organics**									**EPA 622**	
2372172	**I001046-01**										
		Collection:	01/13/2025	09:00:00	Client				*Received:*	01/14/2025	
	Prepared: ***1156016***										
				Analyzed:	***1157860***			1/15/25	23:20:00		
2921-88-2	**Chlorpyrifos**	**ND**	0.0226	0.0233	0.050	0.0514		**ug/L**	0.050	16	1.03
Non-Potable Water	**Organics**									**EPA 625.1**	
2372172	**I001046-01**										
		Collection:	01/13/2025	09:00:00	Client				*Received:*	01/14/2025	
	Prepared: ***1156013***										
				Analyzed:	***1157087***			1/17/25	18:00:00		
95-94-3	**1,2,4,5-Tetrachlorobenzene**	**ND**	0.517	0.510	1.00	0.986		**ug/L**	20.0	19	0.99

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CAS	Parameter	Results	MDL	SDL	MQL	MQLAdj	Flag	Units	Target	Bottle	Dilute
Non-Potable Water	Organics									EPA 625.1	
120-82-1	1,2,4-Trichlorobenzene	ND	0.720	0.710	1.00	0.986		ug/L	10.0	19	0.99
95-50-1	1,2-Dichlorobenzene	ND	0.598	0.590	1.00	0.986		ug/L	10.0	19	0.99
122-66-7	1,2-DPH (as azobenzene)	ND	0.695	0.685	1.00	0.986		ug/L	20.0	19	0.99
541-73-1	1,3-Dichlorobenzene	ND	0.686	0.677	1.00	0.986		ug/L	10.0	19	0.99
106-46-7	1,4-Dichlorobenzene	ND	0.633	0.624	1.00	0.986		ug/L	10.0	19	0.99
95-95-4	2,4,5-Trichlorophenol	ND	0.734	0.724	1.00	0.986		ug/L	50.0	19	0.99
88-06-2	2,4,6-Trichlorophenol	ND	0.704	0.694	1.00	0.986		ug/L	10.0	19	0.99
120-83-2	2,4-Dichlorophenol	ND	0.567	0.559	1.00	0.986		ug/L	10.0	19	0.99
105-67-9	2,4-Dimethylphenol	ND	2.32	2.29	2.40	2.37	S	ug/L	10.0	19	0.99
51-28-5	2,4-Dinitrophenol	ND	8.07	7.96	9.00	8.88		ug/L	50.0	19	0.99
121-14-2	2,4-Dinitrotoluene	ND	3.35	3.30	3.50	3.45		ug/L	10.0	19	0.99
606-20-2	2,6-Dinitrotoluene	ND	0.675	0.666	1.00	0.986		ug/L	10.0	19	0.99
91-58-7	2-Chloronaphthalene	ND	0.333	0.328	1.00	0.986		ug/L	10.0	19	0.99
95-57-8	2-Chlorophenol	ND	0.367	0.362	1.00	0.986		ug/L	10.0	19	0.99
95-48-7	2-Methylphenol (o-Cresol)	ND	5.13	5.06	5.20	5.13		ug/L	10.0	19	0.99
88-75-5	2-Nitrophenol	ND	0.495	0.488	1.00	0.986		ug/L	20.0	19	0.99
MEPH34	3&4-Methylphenol (m&p-Cresol)	ND	6.15	6.07	6.20	6.11		ug/L	10.0	19	0.99
91-94-1	3,3'-Dichlorobenzidine	ND	4.79	4.72	5.00	4.93		ug/L	5.00	19	0.99
534-52-1	4,6-Dinitro-2-methylphenol	ND	7.88	7.77	8.00	7.89		ug/L	50.0	19	0.99
101-55-3	4-Bromophenyl phenyl ether	ND	0.311	0.307	1.00	0.986		ug/L	10.0	19	0.99
7005-72-3	4-Chlorophenyl phenyl ethe	ND	0.281	0.277	1.00	0.986		ug/L	10.0	19	0.99
100-02-7	4-Nitrophenol	ND	0.932	0.919	1.00	0.986		ug/L	50.0	19	0.99
83-32-9	Acenaphthene	ND	0.139	0.137	1.00	0.986		ug/L	10.0	19	0.99
208-96-8	Acenaphthylene	ND	0.202	0.199	1.00	0.986		ug/L	10.0	19	0.99
62-53-3	Aniline	ND	0.367	0.362	1.00	0.986	S	ug/L	10.0	19	0.99

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Non-Potable Water	Organics									EPA 625.1	
120-12-7	Anthracene	ND	0.538	0.531	1.00	0.986		ug/L	10.0	19	0.99
92-87-5	Benzidine	ND	19.9	19.6	20.0	19.7		ug/L	50.0	19	0.99
56-55-3	Benzo(a)anthracene	ND	0.627	0.618	1.00	0.986		ug/L	5.00	19	0.99
50-32-8	Benzo(a)pyrene	ND	0.478	0.471	1.00	0.986		ug/L	5.00	19	0.99
205-99-2	Benzo(b)fluoranthene	ND	0.517	0.510	1.00	0.986		ug/L	10.0	19	0.99
191-24-2	Benzo(ghi)perylene	ND	0.750	0.740	1.00	0.986		ug/L	20.0	19	0.99
207-08-9	Benzo(k)fluoranthene	ND	0.763	0.752	1.00	0.986		ug/L	5.00	19	0.99
85-68-7	Benzyl Butyl phthalate	0.888	0.696	0.686	7.50	7.40	J	ug/L	10.0	19	0.99
111-91-1	Bis(2-chloroethoxy)methane	ND	0.312	0.308	1.00	0.986		ug/L	10.0	19	0.99
111-44-4	Bis(2-chloroethyl)ether	ND	0.434	0.428	1.00	0.986		ug/L	10.0	19	0.99
108-60-1	Bis(2-chloroisopropyl)ether	ND	0.448	0.442	1.00	0.986		ug/L	10.0	19	0.99
117-81-7	Bis(2-ethylhexyl)phthalate	ND	1.63	1.61	7.50	7.40		ug/L	10.0	19	0.99
218-01-9	Chrysene (Benzo(a)phenanthrene)	ND	0.575	0.567	1.00	0.986		ug/L	5.00	19	0.99
53-70-3	Dibenz(a,h)anthracene	ND	0.872	0.860	1.00	0.986		ug/L	5.00	19	0.99
84-66-2	Diethyl phthalate	ND	0.721	0.711	5.70	5.62		ug/L	10.0	19	0.99
131-11-3	Dimethyl phthalate	ND	0.497	0.490	4.80	4.73		ug/L	10.0	19	0.99
84-74-2	Di-n-butylphthalate	ND	0.834	0.822	7.50	7.40		ug/L	10.0	19	0.99
117-84-0	Di-n-octylphthalate	ND	0.782	0.771	1.00	0.986		ug/L	10.0	19	0.99
206-44-0	Fluoranthene(Benzo(j,k)fluorene)	ND	0.772	0.761	1.00	0.986		ug/L	10.0	19	0.99
86-73-7	Fluorene	ND	0.512	0.505	1.00	0.986		ug/L	10.0	19	0.99
118-74-1	Hexachlorobenzene	ND	0.187	0.184	1.00	0.986		ug/L	5.00	19	0.99
87-68-3	Hexachlorobutadiene	ND	0.618	0.609	1.00	0.986		ug/L	10.0	19	0.99
77-47-4	Hexachlorocyclopentadiene	ND	8.69	8.57	9.00	8.88		ug/L	10.0	19	0.99
67-72-1	Hexachloroethane	ND	0.789	0.778	1.00	0.986		ug/L	20.0	19	0.99
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.793	0.782	1.00	0.986		ug/L	5.00	19	0.99

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RESULTS

Project 1132181

Printed 01/31/2025

I001046

AQU1

AquaTech Laboratories
John Brien
635 Phil Gramm Blvd.
Bryan, TX 77807-9104

CAS	Parameter	Results	MDL	SDL	MQL	MQLAdj	Flag	Units	Target	Bottle	Dilute
Non-Potable Water	**Organics**									**EPA 625.1**	
78-59-1	Isophorone	ND	0.468	0.462	1.00	0.986		ug/L	10.0	19	0.99
91-20-3	Naphthalene	ND	0.387	0.382	1.00	0.986		ug/L	10.0	19	0.99
98-95-3	Nitrobenzene	ND	0.390	0.385	1.00	0.986		ug/L	10.0	19	0.99
55-18-5	n-Nitrosodiethylamine	ND	0.282	0.278	1.00	0.986		ug/L	20.0	19	0.99
62-75-9	N-Nitrosodimethylamine	ND	6.64	6.55	7.00	6.90		ug/L	50.0	19	0.99
924-16-3	n-Nitroso-di-n-butylamine	ND	0.403	0.397	1.00	0.986		ug/L	20.0	19	0.99
621-64-7	N-Nitrosodi-n-propylamine	ND	0.777	0.766	1.00	0.986		ug/L	20.0	19	0.99
86-30-6	N-Nitrosodiphenylamine (as DPA	ND	0.427	0.421	1.00	0.986		ug/L	20.0	19	0.99
59-50-7	p-Chloro-m-Cresol (4-Chloro-3-me	ND	2.35	2.32	2.40	2.37		ug/L	10.0	19	0.99
608-93-5	Pentachlorobenzene	ND	0.420	0.414	1.00	0.986		ug/L	20.0	19	0.99
87-86-5	Pentachlorophenol	ND	0.129	0.127	1.00	0.986		ug/L	5.00	19	0.99
85-01-8	Phenanthrene	ND	0.624	0.615	1.00	0.986		ug/L	10.0	19	0.99
108-95-2	Phenol	ND	1.50	1.48	1.50	1.48		ug/L	10.0	19	0.99
129-00-0	Pyrene	ND	0.587	0.579	1.00	0.986	X	ug/L	10.0	19	0.99
110-86-1	Pyridine	ND	5.33	5.26	5.40	5.33		ug/L	20.0	19	0.99
Non-Potable Water	**Organics**									**EPA 632**	
2372172	I001046-01										
	Collection: 01/13/2025 09:00:00 Client								*Received:* 01/14/2025		
	Prepared: 1156014										
				Analyzed:	1157513			1/23/25	03:38:00		
63-25-2	Carbaryl (Sevin)	ND	66.1	0.068	2500	2.57		ug/L	5.00	14	0.00
330-54-1	Diuron	ND	44.4	0.0457	45.0	0.0463		ug/L	0.090	14	0.00

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MDL is Method Detection Limit (40 CFR 136 Appendix B)

SDL is Sample Detection Limit and is the adjusted MDL (sample specific dilutions, dry weight)

MQL is the Method Quantitation Limit and corresponds to a low standard

MQLADJ is the Adjusted Method Quantitation Limit (dilutions, dry weight)

Qualifiers:

J - Analyte detected below quantitation limit

X - Standard reads higher than desired.

S - Standard reads lower than desired

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.

Bill Peery, MS, VP Technical Services

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AQU1-G

AquaTech Laboratories
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Analytical Set 1156575 — EPA 200.8 5.4

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Silver, Total	1156160	ND	0.000276	0.001	mg/L	127222336

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Silver, Total	0.0515	0.05	mg/L	103	90.0 - 110	127222334
Silver, Total	0.0522	0.05	mg/L	104	90.0 - 110	127222344
Silver, Total	0.0519	0.05	mg/L	104	90.0 - 110	127222355

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Silver, Total	0.0523	0.05	mg/L	105	90.0 - 110	127222270

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Silver, Total	1156160	0.0938	0.0921	0.100	85.0 - 115	93.8	92.1	mg/L	1.83	20.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Silver, Total	2372059	0.0863	0.0863	ND	0.100	70.0 - 130	86.3	86.3	mg/L	0	20.0
Silver, Total	2372217	0.0922	0.0948	ND	0.100	70.0 - 130	92.2	94.8	mg/L	2.78	20.0

Analytical Set 1157358 — EPA 245.7 2

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Mercury, Total (low level)	1157250	ND	1.20	4.00	ng/L	127240386

CCB

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Mercury, Total (low level)	1157250	1.98	1.20	4.00	ng/L	127240385
Mercury, Total (low level)	1157250	1.64	1.20	4.00	ng/L	127240397
Mercury, Total (low level)	1157250	1.95	1.20	4.00	ng/L	127240409
Mercury, Total (low level)	1157358	ND	1.20	4.00	ng/L	127240451

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	25.0	25.0	ng/L	100	87.0 - 113	127240384
Mercury, Total (low level)	25.5	25.0	ng/L	102	87.0 - 113	127240396
Mercury, Total (low level)	25.4	25.0	ng/L	102	87.0 - 113	127240408
Mercury, Total (low level)	25.2	25.0	ng/L	101	87.0 - 113	127240417
Mercury, Total (low level)	25.7	25.0	ng/L	103	87.0 - 113	127240429
Mercury, Total (low level)	26.6	25.0	ng/L	106	87.0 - 113	127240441
Mercury, Total (low level)	26.7	25.0	ng/L	107	87.0 - 113	127240450

ICL

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	ND	50.0	ng/L	0	90.0 - 110	127240380

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ICV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Mercury, Total (low level)	ND	25.0	ng/L	0	90.0 - 110	127240381
Mercury, Total (low level)	25.1	25.0	ng/L	100	90.0 - 110	127240382

LCS Dup

Parameter	*PrepSet*	*LCS*	*LCSD*	*Known*	*Limits%*	*LCS%*	*LCSD%*	*Units*	*RPD*	*Limit%*
Mercury, Total (low level)	1157250	21.0	22.2	25.0	76.0 - 115	84.0	88.8	ng/L	5.56	50.0

MSD

Parameter	*Sample*	*MS*	*MSD*	*UNK*	*Known*	*Limits*	*MS%*	*MSD%*	*Units*	*RPD*	*Limit%*
Mercury, Total (low level)	2371994	16.2	17.1	2.20	26.6	63.0 - 111	52.6 *	56.0 *	ng/L	6.23	18.0
Mercury, Total (low level)	2372590	22.7	23.4	2.11	26.6	63.0 - 111	77.4	80.0	ng/L	3.34	18.0

Analytical Set 1157980 — EPA 245.7 2

AWRL/LOQ C

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Mercury, Total (low level)	3.54	5.00	ng/L	70.8	70.0 - 130	127252732

Blank

Parameter	*PrepSet*	*Reading*	*MDL*	*MQL*	*Units*	*File*
Mercury, Total (low level)	1157940	ND	1.20	4.00	ng/L	127252735

CCV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Mercury, Total (low level)	26.7	25.0	ng/L	107	87.0 - 113	127252733
Mercury, Total (low level)	27.4	25.0	ng/L	110	87.0 - 113	127252745
Mercury, Total (low level)	27.0	25.0	ng/L	108	87.0 - 113	127252757
Mercury, Total (low level)	27.0	25.0	ng/L	108	87.0 - 113	127252766

ICL

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Mercury, Total (low level)	ND	50.0	ng/L	0	90.0 - 110	127252730

ICV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Mercury, Total (low level)	27.0	25.0	ng/L	108	90.0 - 110	127252731

LCS Dup

Parameter	*PrepSet*	*LCS*	*LCSD*	*Known*	*Limits%*	*LCS%*	*LCSD%*	*Units*	*RPD*	*Limit%*
Mercury, Total (low level)	1157940	23.8	24.1	25.0	76.0 - 115	95.2	96.4	ng/L	1.25	50.0

MSD

Parameter	*Sample*	*MS*	*MSD*	*UNK*	*Known*	*Limits*	*MS%*	*MSD%*	*Units*	*RPD*	*Limit%*
Mercury, Total (low level)	2373840	14.8	14.9	ND	26.6	63.0 - 111	55.6 *	56.0 *	ng/L	0.673	18.0
Mercury, Total (low level)	2374172	21.9	24.6	2.07	26.6	63.0 - 111	74.5	84.7	ng/L	12.7	18.0

Analytical Set 1156369 — EPA 625.1

QUALITY CONTROL

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MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
2-Chlorophenol	2372077	17.7	16.1	ND	26.6	8.98 - 122	68.1	61.9	ug/L	9.47	30.0
2-Methylphenol (o-Cresol)	2372077	15.2	14.5	ND	26.6	0.100 - 107	58.5	55.8	ug/L	4.71	30.0
3&4-Methylphenol (m&p-Cresol)	2372077	13.4	13.0	ND	26.6	0.100 - 108	51.5	50.0	ug/L	3.03	30.0
Acenaphthene	2372077	21.4	20.3	ND	26.6	5.27 - 137	82.3	78.1	ug/L	5.28	30.0
Acenaphthylene	2372077	21.5	20.6	ND	26.6	16.2 - 123	82.7	79.2	ug/L	4.28	30.0
Anthracene	2372077	21.6	21.0	ND	26.6	17.1 - 130	83.1	80.8	ug/L	2.82	30.0
Benzo(a)anthracene	2372077	22.4	22.1	ND	26.6	32.8 - 118	86.2	85.0	ug/L	1.35	30.0
Benzo(a)pyrene	2372077	21.7	21.8	ND	26.6	37.3 - 116	83.5	83.8	ug/L	0.460	30.0
Benzo(b)fluoranthene	2372077	22.3	19.7	ND	26.6	18.3 - 143	85.8	75.8	ug/L	12.4	30.0
Benzo(ghi)perylene	2372077	26.2	25.3	ND	26.6	11.6 - 151	101	97.3	ug/L	3.50	30.0
Benzo(k)fluoranthene	2372077	20.2	21.3	ND	26.6	22.2 - 139	77.7	81.9	ug/L	5.30	30.0
Benzyl Butyl phthalate	2372077	24.4	23.5	1.05	26.6	7.60 - 140	89.8	86.3	ug/L	3.93	30.0
Bis(2-ethylhexyl)phthalate	2372077	23.2	22.5	ND	26.6	0.100 - 190	89.2	86.5	ug/L	3.06	30.0
Chrysene (Benzo(a)phenanthrene)	2372077	22.9	23.2	ND	26.6	28.2 - 122	88.1	89.2	ug/L	1.30	30.0
Dibenz(a,h)anthracene	2372077	25.4	25.1	ND	26.6	14.7 - 140	97.7	96.5	ug/L	1.19	30.0
Diethyl phthalate	2372077	24.9	23.6	ND	26.6	0.565 - 140	95.8	90.8	ug/L	5.36	30.0
Di-n-butylphthalate	2372077	23.1	22.1	ND	26.6	0.100 - 156	88.8	85.0	ug/L	4.42	30.0
Fluoranthene(Benzo(j,k)fluorene)	2372077	20.8	19.7	ND	26.6	13.3 - 135	80.0	75.8	ug/L	5.43	30.0
Fluorene	2372077	22.5	21.6	ND	26.6	32.7 - 120	86.5	83.1	ug/L	4.08	30.0
Indeno(1,2,3-cd)pyrene	2372077	25.2	24.7	ND	26.6	14.4 - 139	96.9	95.0	ug/L	2.00	30.0
Naphthalene	2372077	21.9	20.2	ND	26.6	6.27 - 127	84.2	77.7	ug/L	8.08	30.0
Phenanthrene	2372077	22.1	21.7	ND	26.6	26.9 - 125	85.0	83.5	ug/L	1.83	30.0
Phenol	2372077	8.19	7.90	ND	26.6	0.100 - 122	31.5	30.4	ug/L	3.60	30.0
Pyrene	2372077	30.2	27.8	ND	26.6	0.100 - 173	116	107	ug/L	8.28	30.0

Analytical Set 1157087 EPA 625.1

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
1,2,4,5-Tetrachlorobenzene	1156013	ND	0.517	1.00	ug/L	127235889
1,2,4-Trichlorobenzene	1156013	ND	0.720	1.00	ug/L	127235889
1,2-Dichlorobenzene	1156013	ND	0.598	1.00	ug/L	127235889
1,2-DPH (as azobenzene)	1156013	ND	0.695	1.00	ug/L	127235889
1,3-Dichlorobenzene	1156013	ND	0.686	1.00	ug/L	127235889
1,4-Dichlorobenzene	1156013	ND	0.633	1.00	ug/L	127235889
2,4,5-Trichlorophenol	1156013	ND	0.734	1.00	ug/L	127235889
2,4,6-Trichlorophenol	1156013	ND	0.704	1.00	ug/L	127235889
2,4-Dichlorophenol	1156013	ND	0.567	1.00	ug/L	127235889
2,4-Dimethylphenol	1156013	ND	2.32	2.40	ug/L	127235889
2,4-Dinitrophenol	1156013	ND	8.07	9.00	ug/L	127235889
2,4-Dinitrotoluene	1156013	ND	3.35	3.50	ug/L	127235889
2,6-Dinitrotoluene	1156013	ND	0.675	1.00	ug/L	127235889
2-Chloronaphthalene	1156013	ND	0.333	1.00	ug/L	127235889
2-Chlorophenol	1156013	ND	0.367	1.00	ug/L	127235889
2-Methylphenol (o-Cresol)	1156013	ND	5.13	5.20	ug/L	127235889

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Parameter	PrepSet	Reading	MDL	MQL	Units	File
2-Nitrophenol	1156013	ND	0.495	1.00	ug/L	127235889
3&4-Methylphenol (m&p-Cresol)	1156013	ND	6.15	6.20	ug/L	127235889
3,3'-Dichlorobenzidine	1156013	ND	4.79	5.00	ug/L	127235889
4,6-Dinitro-2-methylphenol	1156013	ND	7.88	8.00	ug/L	127235889
4-Bromophenyl phenyl ether	1156013	ND	0.311	1.00	ug/L	127235889
4-Chlorophenyl phenyl ethe	1156013	ND	0.281	1.00	ug/L	127235889
4-Nitrophenol	1156013	ND	0.932	1.00	ug/L	127235889
Acenaphthene	1156013	ND	0.139	1.00	ug/L	127235889
Acenaphthylene	1156013	ND	0.202	1.00	ug/L	127235889
Aniline	1156013	ND	0.367	1.00	ug/L	127235889
Anthracene	1156013	ND	0.538	1.00	ug/L	127235889
Benzidine	1156013	ND	19.9	20.0	ug/L	127235889
Benzo(a)anthracene	1156013	ND	0.627	1.00	ug/L	127235889
Benzo(a)pyrene	1156013	ND	0.478	1.00	ug/L	127235889
Benzo(b)fluoranthene	1156013	ND	0.517	1.00	ug/L	127235889
Benzo(ghi)perylene	1156013	ND	0.750	1.00	ug/L	127235889
Benzo(k)fluoranthene	1156013	ND	0.763	1.00	ug/L	127235889
Benzyl Butyl phthalate	1156013	ND	0.696	7.50	ug/L	127235889
Bis(2-chloroethoxy)methane	1156013	ND	0.312	1.00	ug/L	127235889
Bis(2-chloroethyl)ether	1156013	ND	0.434	1.00	ug/L	127235889
Bis(2-chloroisopropyl)ether	1156013	ND	0.448	1.00	ug/L	127235889
Bis(2-ethylhexyl)phthalate	1156013	ND	1.63	7.50	ug/L	127235889
Chrysene (Benzo(a)phenanthrene)	1156013	ND	0.575	1.00	ug/L	127235889
Dibenz(a,h)anthracene	1156013	ND	0.872	1.00	ug/L	127235889
Diethyl phthalate	1156013	ND	0.721	5.70	ug/L	127235889
Dimethyl phthalate	1156013	ND	0.497	4.80	ug/L	127235889
Di-n-butylphthalate	1156013	ND	0.834	7.50	ug/L	127235889
Di-n-octylphthalate	1156013	ND	0.782	1.00	ug/L	127235889
Fluoranthene(Benzo(j,k)fluorene)	1156013	ND	0.772	1.00	ug/L	127235889
Fluorene	1156013	ND	0.512	1.00	ug/L	127235889
Hexachlorobenzene	1156013	ND	0.187	1.00	ug/L	127235889
Hexachlorobutadiene	1156013	ND	0.618	1.00	ug/L	127235889
Hexachlorocyclopentadiene	1156013	ND	8.69	9.00	ug/L	127235889
Hexachloroethane	1156013	ND	0.789	1.00	ug/L	127235889
Indeno(1,2,3-cd)pyrene	1156013	ND	0.793	1.00	ug/L	127235889
Isophorone	1156013	ND	0.468	1.00	ug/L	127235889
Naphthalene	1156013	ND	0.387	1.00	ug/L	127235889
Nitrobenzene	1156013	ND	0.390	1.00	ug/L	127235889
n-Nitrosodiethylamine	1156013	ND	0.282	1.00	ug/L	127235889
N-Nitrosodimethylamine	1156013	ND	6.64	7.00	ug/L	127235889
n-Nitroso-di-n-butylamine	1156013	ND	0.403	1.00	ug/L	127235889
N-Nitrosodi-n-propylamine	1156013	ND	0.777	1.00	ug/L	127235889
N-Nitrosodiphenylamine (as DPA	1156013	ND	0.427	1.00	ug/L	127235889
p-Chloro-m-Cresol (4-Chloro-3-me	1156013	ND	2.35	2.40	ug/L	127235889
Pentachlorobenzene	1156013	ND	0.420	1.00	ug/L	127235889

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Parameter	PrepSet	Reading	MDL	MQL	Units	File
Pentachlorophenol	1156013	ND	0.129	1.00	ug/L	127235889
Phenanthrene	1156013	ND	0.624	1.00	ug/L	127235889
Phenol	1156013	ND	1.50	1.50	ug/L	127235889
Pyrene	1156013	ND	0.587	1.00	ug/L	127235889
Pyridine	1156013	ND	5.33	5.40	ug/L	127235889

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
1,2,4,5-Tetrachlorobenzene	43000	50000	ug/L	86.0	60.0 - 140	127235888
1,2,4-Trichlorobenzene	49100	50000	ug/L	98.2	61.0 - 130	127235888
1,2-Dichlorobenzene	51600	50000	ug/L	103	60.0 - 140	127235888
1,2-DPH (as azobenzene)	52900	50000	ug/L	106	60.0 - 140	127235888
1,3-Dichlorobenzene	50900	50000	ug/L	102	60.0 - 140	127235888
1,4-Dichlorobenzene	50600	50000	ug/L	101	60.0 - 140	127235888
2,4,5-Trichlorophenol	43600	50000	ug/L	87.2	69.0 - 130	127235888
2,4,6-Trichlorophenol	39600	50000	ug/L	79.2	69.0 - 130	127235888
2,4-Dichlorophenol	42000	50000	ug/L	84.0	64.0 - 130	127235888
2,4-Dimethylphenol	36700	50000	ug/L	73.4	58.0 - 130	127235888
2,4-Dinitrophenol	47300	50000	ug/L	94.6	39.0 - 173	127235888
2,4-Dinitrotoluene	58100	50000	ug/L	116	53.0 - 130	127235888
2,6-Dinitrotoluene	54200	50000	ug/L	108	68.0 - 137	127235888
2-Chloronaphthalene	43800	50000	ug/L	87.6	70.0 - 130	127235888
2-Chlorophenol	42700	50000	ug/L	85.4	55.0 - 130	127235888
2-Methylphenol (o-Cresol)	41200	50000	ug/L	82.4	60.0 - 140	127235888
2-Nitrophenol	38200	50000	ug/L	76.4	61.0 - 163	127235888
3&4-Methylphenol (m&p-Cresol)	40800	50000	ug/L	81.6	60.0 - 140	127235888
3,3'-Dichlorobenzidine	43200	50000	ug/L	86.4	18.0 - 213	127235888
4,6-Dinitro-2-methylphenol	51600	50000	ug/L	103	56.0 - 130	127235888
4-Bromophenyl phenyl ether	53000	50000	ug/L	106	70.0 - 130	127235888
4-Chlorophenyl phenyl ethe	52900	50000	ug/L	106	57.0 - 145	127235888
4-Nitrophenol	55500	50000	ug/L	111	35.0 - 135	127235888
Acenaphthene	50800	50000	ug/L	102	70.0 - 130	127235888
Acenaphthylene	54100	50000	ug/L	108	60.0 - 130	127235888
Aniline	45800	50000	ug/L	91.6	60.0 - 140	127235888
Anthracene	55900	50000	ug/L	112	58.0 - 130	127235888
Benzidine	51400	50000	ug/L	103	20.0 - 180	127235888
Benzo(a)anthracene	50700	50000	ug/L	101	42.0 - 133	127235888
Benzo(a)pyrene	53300	50000	ug/L	107	32.0 - 148	127235888
Benzo(b)fluoranthene	49800	50000	ug/L	99.6	42.0 - 140	127235888
Benzo(ghi)perylene	66600	50000	ug/L	133	13.0 - 195	127235888
Benzo(k)fluoranthene	56100	50000	ug/L	112	25.0 - 146	127235888
Benzyl Butyl phthalate	46000	50000	ug/L	92.0	43.0 - 140	127235888
Bis(2-chloroethoxy)methane	50500	50000	ug/L	101	52.0 - 164	127235888
Bis(2-chloroethyl)ether	49300	50000	ug/L	98.6	52.0 - 130	127235888
Bis(2-chloroisopropyl)ether	54300	50000	ug/L	109	63.0 - 139	127235888

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Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*		*File*
Bis(2-ethylhexyl)phthalate	36700	50000	ug/L	73.4	43.0 - 137		127235888
Chrysene (Benzo(a)phenanthrene)	54200	50000	ug/L	108	44.0 - 140		127235888
Dibenz(a,h)anthracene	62100	50000	ug/L	124	13.0 - 200		127235888
Diethyl phthalate	54600	50000	ug/L	109	47.0 - 130		127235888
Dimethyl phthalate	53700	50000	ug/L	107	50.0 - 130		127235888
Di-n-butylphthalate	41700	50000	ug/L	83.4	52.0 - 130		127235888
Di-n-octylphthalate	46200	50000	ug/L	92.4	21.0 - 132		127235888
Fluoranthene(Benzo(j,k)fluorene)	42400	50000	ug/L	84.8	47.0 - 130		127235888
Fluorene	56400	50000	ug/L	113	70.0 - 130		127235888
Hexachlorobenzene	49600	50000	ug/L	99.2	38.0 - 142		127235888
Hexachlorobutadiene	44600	50000	ug/L	89.2	68.0 - 130		127235888
Hexachlorocyclopentadiene	35000	50000	ug/L	70.0	60.0 - 140		127235888
Hexachloroethane	47600	50000	ug/L	95.2	55.0 - 130		127235888
Indeno(1,2,3-cd)pyrene	61400	50000	ug/L	123	13.0 - 151		127235888
Isophorone	52900	50000	ug/L	106	52.0 - 180		127235888
Naphthalene	51600	50000	ug/L	103	70.0 - 130		127235888
Nitrobenzene	49700	50000	ug/L	99.4	54.0 - 158		127235888
n-Nitrosodiethylamine	46900	50000	ug/L	93.8	60.0 - 140		127235888
N-Nitrosodimethylamine	47000	50000	ug/L	94.0	60.0 - 140		127235888
n-Nitroso-di-n-butylamine	51100	50000	ug/L	102	60.0 - 140		127235888
N-Nitrosodi-n-propylamine	56200	50000	ug/L	112	59.0 - 170		127235888
N-Nitrosodiphenylamine (as DPA	49500	50000	ug/L	99.0	60.0 - 140		127235888
p-Chloro-m-Cresol (4-Chloro-3-me	46700	50000	ug/L	93.4	68.0 - 130		127235888
Pentachlorobenzene	45500	50000	ug/L	91.0	60.0 - 140		127235888
Pentachlorophenol	44500	50000	ug/L	89.0	42.0 - 152		127235888
Phenanthrene	54700	50000	ug/L	109	67.0 - 130		127235888
Phenol	41800	50000	ug/L	83.6	48.0 - 130		127235888
Pyrene	67200	50000	ug/L	134	70.0 - 130	*	127235888
Pyridine	43700	50000	ug/L	87.4	60.0 - 140		127235888

DFTPP

Parameter		*RefMass*	*Reading*	*%*	*Limits%*	*File*
DFTPP Mass 127	629198	198	48654	56.7	40.0 - 60.0	127235887
DFTPP Mass 197	629198	198	0	0.0	0 - 1.00	127235887
DFTPP Mass 198	629198	198	85824	100.0	100 - 100	127235887
DFTPP Mass 199	629198	198	5631	6.6	5.00 - 9.00	127235887
DFTPP Mass 275	629198	198	17857	20.8	10.0 - 30.0	127235887
DFTPP Mass 365	629198	198	1905	2.2	1.00 - 100	127235887
DFTPP Mass 441	629198	443	6245	78.7	0 - 100	127235887
DFTPP Mass 442	629198	198	41504	48.4	40.0 - 100	127235887
DFTPP Mass 443	629198	442	7931	19.1	17.0 - 23.0	127235887
DFTPP Mass 51	629198	198	36783	42.9	30.0 - 60.0	127235887
DFTPP Mass 68	629198	69.0	674	1.6	0 - 2.00	127235887
DFTPP Mass 69	629198	198	41553	48.4	0 - 100	127235887
DFTPP Mass 70	629198	69.0	214	0.5	0 - 2.00	127235887

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LCS Dup

Parameter	*PrepSet*	*LCS*	*LCSD*	*Known*	*Limits%*	*LCS%*	*LCSD%*	*Units*	*RPD*	*Limit%*
1,2,4,5-Tetrachlorobenzene	1156013	17.6	15.7	25.0	27.5 - 85.5	70.4	62.8	ug/L	11.4	50.0
1,2,4-Trichlorobenzene	1156013	15.7	14.3	25.0	44.0 - 142	62.8	57.2	ug/L	9.33	50.0
1,2-Dichlorobenzene	1156013	15.7	13.7	25.0	23.0 - 81.8	62.8	54.8	ug/L	13.6	50.0
1,2-DPH (as azobenzene)	1156013	21.6	19.0	25.0	12.6 - 110	86.4	76.0	ug/L	12.8	50.0
1,3-Dichlorobenzene	1156013	15.0	13.2	25.0	21.1 - 80.5	60.0	52.8	ug/L	12.8	50.0
1,4-Dichlorobenzene	1156013	15.1	13.2	25.0	21.4 - 76.9	60.4	52.8	ug/L	13.4	50.0
2,4,5-Trichlorophenol	1156013	20.5	18.7	25.0	51.3 - 109	82.0	74.8	ug/L	9.18	50.0
2,4,6-Trichlorophenol	1156013	19.0	17.2	25.0	37.0 - 144	76.0	68.8	ug/L	9.94	58.0
2,4-Dichlorophenol	1156013	16.5	15.4	25.0	39.0 - 135	66.0	61.6	ug/L	6.90	50.0
2,4-Dimethylphenol	1156013	4.63	4.69	25.0	23.0 - 120	18.5 *	18.8 *	ug/L	1.61	68.0
2,4-Dinitrophenol	1156013	23.5	23.5	25.0	0.100 - 191	94.0	94.0	ug/L	0	132
2,4-Dinitrotoluene	1156013	24.0	22.8	25.0	39.0 - 139	96.0	91.2	ug/L	5.13	42.0
2,6-Dinitrotoluene	1156013	24.0	22.2	25.0	50.0 - 158	96.0	88.8	ug/L	7.79	48.0
2-Chloronaphthalene	1156013	21.1	19.1	25.0	60.0 - 120	84.4	76.4	ug/L	9.95	24.0
2-Chlorophenol	1156013	15.6	14.2	25.0	23.0 - 134	62.4	56.8	ug/L	9.40	61.0
2-Methylphenol (o-Cresol)	1156013	12.7	11.8	25.0	38.9 - 76.1	50.8	47.2	ug/L	7.35	50.0
2-Nitrophenol	1156013	15.3	14.4	25.0	29.0 - 182	61.2	57.6	ug/L	6.06	55.0
3&4-Methylphenol (m&p-Cresol)	1156013	11.2	10.3	25.0	33.0 - 70.4	44.8	41.2	ug/L	8.37	50.0
3,3'-Dichlorobenzidine	1156013	17.2	15.2	25.0	0.100 - 262	68.8	60.8	ug/L	12.3	108
4,6-Dinitro-2-methylphenol	1156013	21.0	20.2	25.0	0.100 - 181	84.0	80.8	ug/L	3.88	203
4-Bromophenyl phenyl ether	1156013	19.4	17.3	25.0	53.0 - 127	77.6	69.2	ug/L	11.4	43.0
4-Chlorophenyl phenyl ethe	1156013	22.0	20.2	25.0	25.0 - 158	88.0	80.8	ug/L	8.53	61.0
4-Nitrophenol	1156013	11.2	10.7	25.0	0.100 - 132	44.8	42.8	ug/L	4.57	131
Acenaphthene	1156013	21.5	19.6	25.0	47.0 - 145	86.0	78.4	ug/L	9.25	48.0
Acenaphthylene	1156013	22.5	20.2	25.0	33.0 - 145	90.0	80.8	ug/L	10.8	74.0
Aniline	1156013	14.5	13.5	25.0	70.0 - 130	58.0 *	54.0 *	ug/L	7.14	50.0
Anthracene	1156013	22.3	19.7	25.0	27.0 - 133	89.2	78.8	ug/L	12.4	66.0
Benzidine	1156013	0.370	0.430	25.0	0.100 - 36.9	1.48	1.72	ug/L	15.0	90.0
Benzo(a)anthracene	1156013	22.0	19.6	25.0	33.0 - 143	88.0	78.4	ug/L	11.5	53.0
Benzo(a)pyrene	1156013	22.6	20.4	25.0	17.0 - 163	90.4	81.6	ug/L	10.2	72.0
Benzo(b)fluoranthene	1156013	21.0	20.2	25.0	24.0 - 159	84.0	80.8	ug/L	3.88	71.0
Benzo(ghi)perylene	1156013	23.1	18.1	25.0	0.100 - 219	92.4	72.4	ug/L	24.3	97.0
Benzo(k)fluoranthene	1156013	23.5	21.3	25.0	11.0 - 162	94.0	85.2	ug/L	9.82	63.0
Benzyl Butyl phthalate	1156013	19.8	18.9	25.0	0.100 - 152	79.2	75.6	ug/L	4.65	60.0
Bis(2-chloroethoxy)methane	1156013	19.8	18.0	25.0	33.0 - 184	79.2	72.0	ug/L	9.52	54.0
Bis(2-chloroethyl)ether	1156013	19.3	17.2	25.0	12.0 - 158	77.2	68.8	ug/L	11.5	108
Bis(2-chloroisopropyl)ether	1156013	18.9	16.9	25.0	36.0 - 166	75.6	67.6	ug/L	11.2	76.0
Bis(2-ethylhexyl)phthalate	1156013	19.4	18.1	25.0	8.00 - 158	77.6	72.4	ug/L	6.93	82.0
Chrysene (Benzo(a)phenanthrene)	1156013	23.1	20.5	25.0	17.0 - 168	92.4	82.0	ug/L	11.9	87.0
Dibenz(a,h)anthracene	1156013	23.4	18.6	25.0	0.100 - 227	93.6	74.4	ug/L	22.9	126
Diethyl phthalate	1156013	24.2	22.2	25.0	0.100 - 120	96.8	88.8	ug/L	8.62	100
Dimethyl phthalate	1156013	23.8	21.4	25.0	0.100 - 120	95.2	85.6	ug/L	10.6	183
Di-n-butylphthalate	1156013	22.0	19.5	25.0	1.00 - 120	88.0	78.0	ug/L	12.0	47.0
Di-n-octylphthalate	1156013	22.0	23.6	25.0	4.00 - 146	88.0	94.4	ug/L	7.02	69.0
Fluoranthene(Benzo(j,k)fluorene)	1156013	23.0	19.7	25.0	26.0 - 137	92.0	78.8	ug/L	15.5	66.0

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LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Fluorene	1156013	23.2	21.3	25.0	59.0 - 121	92.8	85.2	ug/L	8.54	38.0
Hexachlorobenzene	1156013	18.6	16.3	25.0	0.100 - 152	74.4	65.2	ug/L	13.2	55.0
Hexachlorobutadiene	1156013	13.7	12.0	25.0	24.0 - 120	54.8	48.0	ug/L	13.2	62.0
Hexachlorocyclopentadiene	1156013	13.3	12.1	25.0	3.97 - 68.7	53.2	48.4	ug/L	9.45	50.0
Hexachloroethane	1156013	14.2	12.1	25.0	40.0 - 120	56.8	48.4	ug/L	16.0	52.0
Indeno(1,2,3-cd)pyrene	1156013	22.9	18.4	25.0	0.100 - 171	91.6	73.6	ug/L	21.8	99.0
Isophorone	1156013	20.0	18.3	25.0	21.0 - 196	80.0	73.2	ug/L	8.88	93.0
Naphthalene	1156013	17.8	16.4	25.0	21.0 - 133	71.2	65.6	ug/L	8.19	65.0
Nitrobenzene	1156013	20.0	18.2	25.0	35.0 - 180	80.0	72.8	ug/L	9.42	62.0
n-Nitrosodiethylamine	1156013	18.2	16.3	25.0	18.0 - 100	72.8	65.2	ug/L	11.0	50.0
N-Nitrosodimethylamine	1156013	13.7	11.1	25.0	30.2 - 74.9	54.8	44.4	ug/L	21.0	50.0
n-Nitroso-di-n-butylamine	1156013	18.9	17.2	25.0	48.4 - 98.5	75.6	68.8	ug/L	9.42	50.0
N-Nitrosodi-n-propylamine	1156013	20.1	18.2	25.0	0.100 - 230	80.4	72.8	ug/L	9.92	87.0
N-Nitrosodiphenylamine (as DPA	1156013	21.3	18.9	25.0	49.3 - 94.2	85.2	75.6	ug/L	11.9	50.0
p-Chloro-m-Cresol (4-Chloro-3-me	1156013	17.1	16.2	25.0	22.0 - 147	68.4	64.8	ug/L	5.41	70.0
Pentachlorobenzene	1156013	19.4	17.4	25.0	39.3 - 93.7	77.6	69.6	ug/L	10.9	50.0
Pentachlorophenol	1156013	21.2	19.8	25.0	14.0 - 176	84.8	79.2	ug/L	6.83	86.0
Phenanthrene	1156013	22.4	19.9	25.0	54.0 - 120	89.6	79.6	ug/L	11.8	39.0
Phenol	1156013	7.32	6.60	25.0	5.00 - 120	29.3	26.4	ug/L	10.4	64.0
Pyrene	1156013	22.6	22.0	25.0	52.0 - 120	90.4	88.0	ug/L	2.69	49.0
Pyridine	1156013	8.76	8.07	25.0	11.2 - 50.6	35.0	32.3	ug/L	8.02	50.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
2,4,6-Tribromophenol	628758	CCV	43400	100000	ug/L	43.4	10.0 - 150	127235888
2-Fluorophenol-SURR	628758	CCV	46600	100000	ug/L	46.6	10.0 - 150	127235888
4-Terphenyl-d14-SURR	628758	CCV	52300	50000	ug/L	105	30.0 - 150	127235888
Nitrobenzene-d5-SURR	628758	CCV	44000	50000	ug/L	88.0	30.0 - 150	127235888
Phenol-d6-SURR	628758	CCV	47600	100000	ug/L	47.6	10.0 - 150	127235888
2,4,6-Tribromophenol	1156013	Blank	50.3	100	ug/L	50.3	10.0 - 150	127235889
2,4,6-Tribromophenol	1156013	LCS	64.9	100	ug/L	64.9	10.0 - 150	127235890
2,4,6-Tribromophenol	1156013	LCS Dup	62.3	100	ug/L	62.3	10.0 - 150	127235891
2-Fluorophenol-SURR	1156013	Blank	35400	100000	ug/L	35.4	10.0 - 150	127235889
2-Fluorophenol-SURR	1156013	LCS	40300	100000	ug/L	40.3	10.0 - 150	127235890
2-Fluorophenol-SURR	1156013	LCS Dup	35800	100000	ug/L	35.8	10.0 - 150	127235891
4-Terphenyl-d14-SURR	1156013	Blank	38000	50000	ug/L	76.0	30.0 - 150	127235889
4-Terphenyl-d14-SURR	1156013	LCS	35900	50000	ug/L	71.8	30.0 - 150	127235890
4-Terphenyl-d14-SURR	1156013	LCS Dup	35000	50000	ug/L	70.0	30.0 - 150	127235891
Nitrobenzene-d5-SURR	1156013	Blank	33600	50000	ug/L	67.2	30.0 - 150	127235889
Nitrobenzene-d5-SURR	1156013	LCS	34800	50000	ug/L	69.6	30.0 - 150	127235890
Nitrobenzene-d5-SURR	1156013	LCS Dup	31800	50000	ug/L	63.6	30.0 - 150	127235891
Phenol-d6-SURR	1156013	Blank	24800	100000	ug/L	24.8	10.0 - 150	127235889
Phenol-d6-SURR	1156013	LCS	27300	100000	ug/L	27.3	10.0 - 150	127235890
Phenol-d6-SURR	1156013	LCS Dup	24500	100000	ug/L	24.5	10.0 - 150	127235891
2,4,6-Tribromophenol	2372172	Unknown	62.4	98.6	ug/L	63.3	10.0 - 150	127235892

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Surrogate

Parameter	*Sample*	*Type*	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
2-Fluorophenol-SURR	2372172	Unknown	32.2	98.6	ug/L	32.7	10.0 - 150	127235892
4-Terphenyl-d14-SURR	2372172	Unknown	35.5	49.3	ug/L	72.0	30.0 - 150	127235892
Nitrobenzene-d5-SURR	2372172	Unknown	35.3	49.3	ug/L	71.6	30.0 - 150	127235892
Phenol-d6-SURR	2372172	Unknown	23.3	98.6	ug/L	23.6	10.0 - 150	127235892

Analytical Set 1157331 — EPA 615

Blank

Parameter	*PrepSet*	*Reading*	*MDL*	*MQL*	*Units*	*File*
2,4 Dichlorophenoxyacetic acid	1156968	ND	15.9	50.0	ug/L	127239975
2,4,5-TP (Silvex)	1156968	ND	8.93	30.0	ug/L	127239975

CCV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
2,4 Dichlorophenoxyacetic acid	148	150	ug/L	98.4	80.0 - 115	127239974
2,4 Dichlorophenoxyacetic acid	151	150	ug/L	101	80.0 - 115	127239984
2,4,5-TP (Silvex)	150	150	ug/L	100	80.0 - 115	127239974
2,4,5-TP (Silvex)	153	150	ug/L	102	80.0 - 115	127239984

LCS Dup

Parameter	*PrepSet*	*LCS*	*LCSD*	*Known*	*Limits%*	*LCS%*	*LCSD%*	*Units*	*RPD*	*Limit%*
2,4 Dichlorophenoxyacetic acid	1156968	11.4	9.14	100	0.100 - 319	11.4	9.14	ug/L	22.0	30.0
2,4,5-TP (Silvex)	1156968	92.9	89.8	100	0.100 - 244	92.9	89.8	ug/L	3.39	30.0

Surrogate

Parameter	*Sample*	*Type*	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
2,4-Dichlorophenylacetic Acid		CCV	148	200	ug/L	74.0	0.100 - 313	127239974
2,4-Dichlorophenylacetic Acid		CCV	153	200	ug/L	76.5	0.100 - 313	127239984
2,4-Dichlorophenylacetic Acid	1156968	Blank	98.7	200	ug/L	49.4	0.100 - 313	127239975
2,4-Dichlorophenylacetic Acid	1156968	LCS	99.4	200	ug/L	49.7	0.100 - 313	127239976
2,4-Dichlorophenylacetic Acid	1156968	LCS Dup	105	200	ug/L	52.5	0.100 - 313	127239977
2,4-Dichlorophenylacetic Acid	2372172	Unknown	1.24	1.99	ug/L	62.3	0.100 - 313	127239980

Analytical Set 1157383 — EPA 617

Blank

Parameter	*PrepSet*	*Reading*	*MDL*	*MQL*	*Units*	*File*
Kelthane (Dicofol)	1156015	ND	3.52	5.00	ug/L	127240954
Methoxychlor	1156015	ND	0.897	1.00	ug/L	127240954
Mirex	1156015	ND	0.905	1.00	ug/L	127240954

CCV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Kelthane (Dicofol)	102	100	ug/L	102	60.0 - 130	127240948
Kelthane (Dicofol)	103	100	ug/L	103	60.0 - 130	127240960
Methoxychlor	53.8	50.0	ug/L	108	70.0 - 130	127240948
Methoxychlor	57.3	50.0	ug/L	115	70.0 - 130	127240960
Mirex	43.7	50.0	ug/L	87.5	70.0 - 130	127240948

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CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mirex	39.0	50.0	ug/L	78.0	70.0 - 130	127240960

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Kelthane (Dicofol)	1156015	165	151	100	0.100 - 137	165 *	151 *	ug/L	8.86	30.0
Methoxychlor	1156015	136	126	100	21.5 - 151	136	126	ug/L	7.63	30.0
Mirex	1156015	86.8	82.4	100	11.6 - 140	86.8	82.4	ug/L	5.20	30.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Decachlorobiphenyl	628925	CCV	46.1	100	ug/L	46.1	10.0 - 150	127240948
Decachlorobiphenyl	628925	CCV	40.4	100	ug/L	40.4	10.0 - 150	127240960
Tetrachloro-m-Xylene (Surr)	628925	CCV	45.2	100	ug/L	45.2	10.0 - 150	127240948
Tetrachloro-m-Xylene (Surr)	628925	CCV	43.7	100	ug/L	43.7	10.0 - 150	127240960
Decachlorobiphenyl	1156015	Blank	66.3	100	ug/L	66.3	10.0 - 150	127240954
Decachlorobiphenyl	1156015	LCS	93.1	100	ug/L	93.1	10.0 - 150	127240955
Decachlorobiphenyl	1156015	LCS Dup	90.0	100	ug/L	90.0	10.0 - 150	127240956
Tetrachloro-m-Xylene (Surr)	1156015	Blank	58.8	100	ug/L	58.8	10.0 - 150	127240954
Tetrachloro-m-Xylene (Surr)	1156015	LCS	74.4	100	ug/L	74.4	10.0 - 150	127240955
Tetrachloro-m-Xylene (Surr)	1156015	LCS Dup	73.1	100	ug/L	73.1	10.0 - 150	127240956
Decachlorobiphenyl	2372172	Unknown	0.031	0.103	ug/L	30.1	10.0 - 150	127240959
Tetrachloro-m-Xylene (Surr)	2372172	Unknown	0.0454	0.103	ug/L	44.1	10.0 - 150	127240959

Analytical Set 1157386 EPA 608.3

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
4,4-DDD	1156015	ND	0.731	1.00	ug/L	127241005
4,4-DDE	1156015	ND	0.361	1.00	ug/L	127241005
4,4-DDT	1156015	ND	0.862	1.00	ug/L	127241005
Aldrin	1156015	ND	0.260	1.00	ug/L	127241005
Alpha-BHC(hexachlorocyclohexane)	1156015	ND	0.280	1.00	ug/L	127241005
Beta-BHC(hexachlorocyclohexane)	1156015	ND	0.579	1.00	ug/L	127241005
Delta-BHC(hexachlorocyclohexane)	1156015	ND	0.898	1.00	ug/L	127241005
Dieldrin	1156015	ND	0.162	1.00	ug/L	127241005
Endosulfan I (alpha)	1156015	ND	0.679	1.00	ug/L	127241005
Endosulfan II (beta)	1156015	ND	0.356	1.00	ug/L	127241005
Endosulfan sulfate	1156015	ND	0.588	1.00	ug/L	127241005
Endrin	1156015	ND	0.538	1.00	ug/L	127241005
Endrin aldehyde	1156015	ND	0.699	1.00	ug/L	127241005
Gamma-BHC(Lindane)	1156015	ND	0.385	1.00	ug/L	127241005
Heptachlor	1156015	0.449	0.207	1.00	ug/L	127241005
Heptachlor epoxide	1156015	ND	0.660	1.00	ug/L	127241005
Toxaphene	1156015	ND	0.169	0.200	ug/L	127241005

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File

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Parameter	Reading	Known	Units	Recover%	Limits%		File
4,4-DDD	48.8	50.0	ug/L	97.6	75.0 - 125		127240999
4,4-DDD	46.9	50.0	ug/L	93.8	75.0 - 125		127241011
4,4-DDE	47.2	50.0	ug/L	94.4	75.0 - 125		127240999
4,4-DDE	43.4	50.0	ug/L	86.8	75.0 - 125		127241011
4,4-DDT	50.4	50.0	ug/L	101	75.0 - 125		127240999
4,4-DDT	47.5	50.0	ug/L	95.0	75.0 - 125		127241011
Aldrin	47.9	50.0	ug/L	95.8	75.0 - 125		127240999
Aldrin	45.1	50.0	ug/L	90.2	75.0 - 125		127241011
Alpha-BHC(hexachlorocyclohexane)	49.9	50.0	ug/L	99.8	75.0 - 125		127240999
Alpha-BHC(hexachlorocyclohexane)	47.8	50.0	ug/L	95.6	75.0 - 125		127241011
Beta-BHC(hexachlorocyclohexane)	47.7	50.0	ug/L	95.4	75.0 - 125		127240999
Beta-BHC(hexachlorocyclohexane)	43.5	50.0	ug/L	87.0	75.0 - 125		127241011
Delta-BHC(hexachlorocyclohexane)	49.9	50.0	ug/L	99.8	75.0 - 125		127240999
Delta-BHC(hexachlorocyclohexane)	47.2	50.0	ug/L	94.4	75.0 - 125		127241011
Dieldrin	47.4	50.0	ug/L	94.8	75.0 - 125		127240999
Dieldrin	41.3	50.0	ug/L	82.6	75.0 - 125		127241011
Endosulfan I (alpha)	45.6	50.0	ug/L	91.2	75.0 - 125		127240999
Endosulfan I (alpha)	41.3	50.0	ug/L	82.6	75.0 - 125		127241011
Endosulfan II (beta)	44.4	50.0	ug/L	88.8	75.0 - 125		127240999
Endosulfan II (beta)	39.6	50.0	ug/L	79.2	75.0 - 125		127241011
Endosulfan sulfate	49.7	50.0	ug/L	99.4	75.0 - 125		127240999
Endosulfan sulfate	49.0	50.0	ug/L	98.0	75.0 - 125		127241011
Endrin	47.1	50.0	ug/L	94.2	75.0 - 125		127240999
Endrin	42.4	50.0	ug/L	84.8	75.0 - 125		127241011
Endrin aldehyde	40.0	50.0	ug/L	80.0	75.0 - 125		127240999
Endrin aldehyde	31.4	50.0	ug/L	62.8	75.0 - 125	*	127241011
Gamma-BHC(Lindane)	48.7	50.0	ug/L	97.4	75.0 - 125		127240999
Gamma-BHC(Lindane)	44.3	50.0	ug/L	88.6	75.0 - 125		127241011
Heptachlor	47.3	50.0	ug/L	94.6	75.0 - 125		127240999
Heptachlor	43.8	50.0	ug/L	87.6	75.0 - 125		127241011
Heptachlor epoxide	45.6	50.0	ug/L	91.2	75.0 - 125		127240999
Heptachlor epoxide	41.8	50.0	ug/L	83.6	75.0 - 125		127241011

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
4,4-DDD	1156015	109	104	100	31.0 - 141	109	104	ug/L	4.69	39.0
4,4-DDE	1156015	95.9	90.8	100	30.0 - 145	95.9	90.8	ug/L	5.46	35.0
4,4-DDT	1156015	120	110	100	25.0 - 160	120	110	ug/L	8.70	42.0
Aldrin	1156015	87.6	80.7	100	42.0 - 140	87.6	80.7	ug/L	8.20	35.0
Alpha-BHC(hexachlorocyclohexane)	1156015	91.1	89.0	100	37.0 - 140	91.1	89.0	ug/L	2.33	36.0
Beta-BHC(hexachlorocyclohexane)	1156015	90.5	86.5	100	17.0 - 147	90.5	86.5	ug/L	4.52	44.0
Delta-BHC(hexachlorocyclohexane)	1156015	100	95.5	100	19.0 - 140	100	95.5	ug/L	4.60	52.0
Dieldrin	1156015	92.7	87.9	100	36.0 - 146	92.7	87.9	ug/L	5.32	49.0
Endosulfan I (alpha)	1156015	90.2	85.4	100	45.0 - 153	90.2	85.4	ug/L	5.47	28.0
Endosulfan II (beta)	1156015	94.3	92.3	100	0.100 - 202	94.3	92.3	ug/L	2.14	53.0

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LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Endosulfan sulfate	1156015	115	107	100	26.0 - 144	115	107	ug/L	7.21	38.0
Endrin	1156015	97.5	92.5	100	30.0 - 147	97.5	92.5	ug/L	5.26	48.0
Endrin aldehyde	1156015	114	111	100	37.6 - 158	114	111	ug/L	2.67	30.0
Gamma-BHC(Lindane)	1156015	89.6	83.8	100	32.0 - 140	89.6	83.8	ug/L	6.69	39.0
Heptachlor	1156015	85.0	77.0	100	34.0 - 140	85.0	77.0	ug/L	9.88	43.0
Heptachlor epoxide	1156015	88.6	84.1	100	37.0 - 142	88.6	84.1	ug/L	5.21	26.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Decachlorobiphenyl	628925	CCV	46.1	100	ug/L	46.1	0.100 - 144	127240999
Decachlorobiphenyl	628925	CCV	40.4	100	ug/L	40.4	0.100 - 144	127241011
Tetrachloro-m-Xylene (Surr)	628925	CCV	45.2	100	ug/L	45.2	0.100 - 107	127240999
Tetrachloro-m-Xylene (Surr)	628925	CCV	43.7	100	ug/L	43.7	0.100 - 107	127241011
Decachlorobiphenyl	1156015	Blank	66.3	100	ug/L	66.3	0.100 - 144	127241005
Decachlorobiphenyl	1156015	LCS	93.1	100	ug/L	93.1	0.100 - 144	127241006
Decachlorobiphenyl	1156015	LCS Dup	90.0	100	ug/L	90.0	0.100 - 144	127241007
Tetrachloro-m-Xylene (Surr)	1156015	Blank	58.8	100	ug/L	58.8	0.100 - 107	127241005
Tetrachloro-m-Xylene (Surr)	1156015	LCS	74.4	100	ug/L	74.4	0.100 - 107	127241006
Tetrachloro-m-Xylene (Surr)	1156015	LCS Dup	73.1	100	ug/L	73.1	0.100 - 107	127241007
Decachlorobiphenyl	2372172	Unknown	0.031	0.103	ug/L	30.1	0.100 - 144	127241010
Tetrachloro-m-Xylene (Surr)	2372172	Unknown	0.0454	0.103	ug/L	44.1	0.100 - 107	127241010

Analytical Set 1157513 — EPA 632

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Carbaryl (Sevin)	1156014	ND	66.1	2500	ug/L	127243120
Diuron	1156014	296	44.4	45.0	ug/L	127243120

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Carbaryl (Sevin)	989	1000	ug/L	98.9	70.0 - 130	127243119
Carbaryl (Sevin)	1020	1000	ug/L	102	70.0 - 130	127243123
Carbaryl (Sevin)	1020	1000	ug/L	102	70.0 - 130	127243125
Carbaryl (Sevin)	1040	1000	ug/L	104	70.0 - 130	127243127
Diuron	896	1000	ug/L	89.6	70.0 - 130	127243119
Diuron	922	1000	ug/L	92.2	70.0 - 130	127243123
Diuron	903	1000	ug/L	90.3	70.0 - 130	127243125
Diuron	917	1000	ug/L	91.7	70.0 - 130	127243127

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Carbaryl (Sevin)	1156014	1180	1120	1000	17.1 - 131	118	112	ug/L	5.22	30.0
Diuron	1156014	294	718	1000	0.100 - 138	29.4	71.8	ug/L	83.8 *	30.0

Analytical Set 1157526 — EPA 608.3

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Parameter	PrepSet	Reading	MDL	MQL	Units	File
PCB-1016	1156017	ND	0.202	0.202	ug/L	127243200
PCB-1221	1156017	ND	0.143	0.200	ug/L	127243200
PCB-1232	1156017	ND	0.143	0.200	ug/L	127243200
PCB-1242	1156017	ND	0.192	0.200	ug/L	127243200
PCB-1248	1156017	ND	0.143	0.200	ug/L	127243200
PCB-1254	1156017	ND	0.143	0.200	ug/L	127243200
PCB-1260	1156017	ND	0.161	0.200	ug/L	127243200
PCB-1262	1156017	ND	0.198	0.200	ug/L	127243200
PCB-1268	1156017	ND	0.143	0.200	ug/L	127243200

CCV

Parameter	Reading	Known	Units	Recover%	Limits%		File
PCB-1016	998	1000	ug/L	99.8	80.0 - 115		127243199
PCB-1016	1480	1000	ug/L	148	80.0 - 115	*	127243206
PCB-1260	1050	1000	ug/L	105	80.0 - 115		127243199
PCB-1260	1360	1000	ug/L	136	80.0 - 115	*	127243206

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
PCB-1016	1156017	7.83	8.58	10.0	39.8 - 135	78.3	85.8	ug/L	9.14	30.0
PCB-1260	1156017	8.20	9.55	10.0	36.1 - 134	82.0	95.5	ug/L	15.2	30.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Decachlorobiphenyl	1156017	Blank	66.3	100	ug/L	66.3	10.0 - 200	127243200
Tetrachloro-m-Xylene (Surr)	1156017	Blank	58.8	100	ug/L	58.8	10.0 - 200	127243200
Decachlorobiphenyl	2372172	Unknown	0.031	0.103	ug/L	30.1	10.0 - 200	127243205
Tetrachloro-m-Xylene (Surr)	2372172	Unknown	0.0454	0.103	ug/L	44.1	10.0 - 200	127243205

Analytical Set 1157754 — EPA 604.1

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Hexachlorophene	1156011	1.46	0.890	2.50	ug/L	127248137

CCV

Parameter	Reading	Known	Units	Recover%	Limits%		File
Hexachlorophene	4700	5000	ug/L	93.9	70.0 - 130		127248136
Hexachlorophene	4620	5000	ug/L	92.5	70.0 - 130		127248140
Hexachlorophene	4780	5000	ug/L	95.6	70.0 - 130		127248144
Hexachlorophene	4630	5000	ug/L	92.5	70.0 - 130		127248149
Hexachlorophene	4620	5000	ug/L	92.4	70.0 - 130		127248155

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Hexachlorophene	1156011	29.6	42.5	50.0	25.5 - 145	59.2	85.0	ug/L	35.8	50.0

Analytical Set 1157860 — EPA 622

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Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Chlorpyrifos	1156016	ND	0.0000904	0.050	ug/L	127250592

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Chlorpyrifos	1020	1000	ug/L	102	48.0 - 150	127250591
Chlorpyrifos	1190	1000	ug/L	119	48.0 - 150	127250598

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Chlorpyrifos	1156016	0.620	0.598	1.00	0.100 - 128	62.0	59.8	ug/L	3.61	30.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Tributylphosphate		CCV	1030	1000	ug/L	103	0.100 - 115	127250591
Tributylphosphate		CCV	1190	1000	ug/L	119 *	0.100 - 115	127250598
Triphenylphosphate		CCV	1000	1000	ug/L	100	0.100 - 115	127250591
Triphenylphosphate		CCV	1200	1000	ug/L	120 *	0.100 - 115	127250598
Tributylphosphate	1156016	Blank	653	1000	ug/L	65.3	0.100 - 115	127250592
Tributylphosphate	1156016	LCS	696	1000	ug/L	69.6	0.100 - 115	127250593
Tributylphosphate	1156016	LCS Dup	622	1000	ug/L	62.2	0.100 - 115	127250594
Triphenylphosphate	1156016	Blank	620	1000	ug/L	62.0	0.100 - 115	127250592
Triphenylphosphate	1156016	LCS	591	1000	ug/L	59.1	0.100 - 115	127250593
Triphenylphosphate	1156016	LCS Dup	615	1000	ug/L	61.5	0.100 - 115	127250594

Analytical Set 1157863 — EPA 614

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Azinphos-methyl (Guthion)	1156016	ND	41.4	50.0	ug/L	127250600
Demeton	1156016	ND	31.9	50.0	ug/L	127250600
Diazinon	1156016	ND	19.7	50.0	ug/L	127250600
Malathion	1156016	ND	24.8	50.0	ug/L	127250600
Parathion, ethyl	1156016	ND	23.9	50.0	ug/L	127250600
Parathion, methyl	1156016	ND	27.4	50.0	ug/L	127250600

CCV

Parameter	Reading	Known	Units	Recover%	Limits%		File
Azinphos-methyl (Guthion)	1000	1000	ug/L	100	37.5 - 164		127250599
Azinphos-methyl (Guthion)	1500	1000	ug/L	150	37.5 - 164		127250606
Demeton	1010	1000	ug/L	101	58.6 - 150		127250599
Demeton	1310	1000	ug/L	131	58.6 - 150		127250606
Diazinon	1010	1000	ug/L	101	65.4 - 138		127250599
Diazinon	1160	1000	ug/L	116	65.4 - 138		127250606
Malathion	1000	1000	ug/L	100	49.5 - 160		127250599
Malathion	1260	1000	ug/L	126	49.5 - 160		127250606
Parathion, ethyl	978	1000	ug/L	97.8	56.0 - 142		127250599
Parathion, ethyl	1490	1000	ug/L	149	56.0 - 142	*	127250606

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CCV

Parameter	Reading	Known	Units	Recover%	Limits%		File
Parathion, methyl	1040	1000	ug/L	104	12.6 - 194		127250599
Parathion, methyl	1490	1000	ug/L	149	12.6 - 194		127250606

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Azinphos-methyl (Guthion)	1156016	797	851	1000	0.100 - 155	79.7	85.1	ug/L	6.55	30.0
Demeton	1156016	555	518	1000	0.100 - 109	55.5	51.8	ug/L	6.90	30.0
Diazinon	1156016	617	581	1000	0.100 - 125	61.7	58.1	ug/L	6.01	30.0
Malathion	1156016	583	576	1000	0.100 - 130	58.3	57.6	ug/L	1.21	30.0
Parathion, ethyl	1156016	781	781	1000	0.100 - 122	78.1	78.1	ug/L	0	30.0
Parathion, methyl	1156016	830	887	1000	0.100 - 131	83.0	88.7	ug/L	6.64	30.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Tributylphosphate		CCV	1030	2000	ug/L	51.5	0.100 - 106	127250599
Tributylphosphate		CCV	1190	2000	ug/L	59.5	0.100 - 106	127250606
Triphenylphosphate		CCV	1000	2000	ug/L	50.0	0.100 - 172	127250599
Triphenylphosphate		CCV	1200	2000	ug/L	60.0	0.100 - 172	127250606
Tributylphosphate	1156016	Blank	653	2000	ug/L	32.6	0.100 - 106	127250600
Tributylphosphate	1156016	LCS	696	2000	ug/L	34.8	0.100 - 106	127250601
Tributylphosphate	1156016	LCS Dup	622	2000	ug/L	31.1	0.100 - 106	127250602
Triphenylphosphate	1156016	Blank	620	2000	ug/L	31.0	0.100 - 172	127250600
Triphenylphosphate	1156016	LCS	591	2000	ug/L	29.6	0.100 - 172	127250601
Triphenylphosphate	1156016	LCS Dup	615	2000	ug/L	30.8	0.100 - 172	127250602
Tributylphosphate	2372172	Unknown	0.740	2.06	ug/L	35.9	0.100 - 106	127250605
Triphenylphosphate	2372172	Unknown	0.682	2.06	ug/L	33.1	0.100 - 172	127250605

Analytical Set 1157971 EPA 608.3

CCV

Parameter	Reading	Known	Units	Recover%	Limits%		File
4,4-DDD	52.8	50.0	ug/L	106	75.0 - 125		127252551
4,4-DDD	68.0	50.0	ug/L	136	75.0 - 125	*	127252541
4,4-DDD	63.9	50.0	ug/L	128	75.0 - 125	*	127252546
4,4-DDD	58.8	50.0	ug/L	118	75.0 - 125		127252547
4,4-DDE	48.6	50.0	ug/L	97.2	75.0 - 125		127252551
4,4-DDE	51.7	50.0	ug/L	103	75.0 - 125		127252541
4,4-DDE	52.5	50.0	ug/L	105	75.0 - 125		127252546
4,4-DDE	49.6	50.0	ug/L	99.2	75.0 - 125		127252547
4,4-DDT	52.1	50.0	ug/L	104	75.0 - 125		127252551
4,4-DDT	59.2	50.0	ug/L	118	75.0 - 125		127252541
4,4-DDT	62.5	50.0	ug/L	125	75.0 - 125		127252546
4,4-DDT	51.1	50.0	ug/L	102	75.0 - 125		127252547
Aldrin	48.9	50.0	ug/L	97.8	75.0 - 125		127252551
Aldrin	53.1	50.0	ug/L	106	75.0 - 125		127252541
Aldrin	52.5	50.0	ug/L	105	75.0 - 125		127252546

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Parameter	Reading	Known	Units	Recover%	Limits%		File
Aldrin	51.0	50.0	ug/L	102	75.0 - 125		127252547
Alpha-BHC(hexachlorocyclohexane)	49.7	50.0	ug/L	99.4	75.0 - 125		127252551
Alpha-BHC(hexachlorocyclohexane)	56.2	50.0	ug/L	112	75.0 - 125		127252541
Alpha-BHC(hexachlorocyclohexane)	53.1	50.0	ug/L	106	75.0 - 125		127252546
Alpha-BHC(hexachlorocyclohexane)	53.0	50.0	ug/L	106	75.0 - 125		127252547
Beta-BHC(hexachlorocyclohexane)	47.6	50.0	ug/L	95.2	75.0 - 125		127252551
Beta-BHC(hexachlorocyclohexane)	53.7	50.0	ug/L	107	75.0 - 125		127252541
Beta-BHC(hexachlorocyclohexane)	51.1	50.0	ug/L	102	75.0 - 125		127252546
Beta-BHC(hexachlorocyclohexane)	50.6	50.0	ug/L	101	75.0 - 125		127252547
Delta-BHC(hexachlorocyclohexane)	50.1	50.0	ug/L	100	75.0 - 125		127252551
Delta-BHC(hexachlorocyclohexane)	55.5	50.0	ug/L	111	75.0 - 125		127252541
Delta-BHC(hexachlorocyclohexane)	54.1	50.0	ug/L	108	75.0 - 125		127252546
Delta-BHC(hexachlorocyclohexane)	52.3	50.0	ug/L	105	75.0 - 125		127252547
Dieldrin	50.4	50.0	ug/L	101	75.0 - 125		127252551
Dieldrin	55.0	50.0	ug/L	110	75.0 - 125		127252541
Dieldrin	53.5	50.0	ug/L	107	75.0 - 125		127252546
Dieldrin	50.1	50.0	ug/L	100	75.0 - 125		127252547
Endosulfan I (alpha)	48.9	50.0	ug/L	97.8	75.0 - 125		127252551
Endosulfan I (alpha)	54.2	50.0	ug/L	108	75.0 - 125		127252541
Endosulfan I (alpha)	53.2	50.0	ug/L	106	75.0 - 125		127252546
Endosulfan I (alpha)	50.7	50.0	ug/L	101	75.0 - 125		127252547
Endosulfan II (beta)	48.5	50.0	ug/L	97.0	75.0 - 125		127252551
Endosulfan II (beta)	54.4	50.0	ug/L	109	75.0 - 125		127252541
Endosulfan II (beta)	52.6	50.0	ug/L	105	75.0 - 125		127252546
Endosulfan II (beta)	49.1	50.0	ug/L	98.2	75.0 - 125		127252547
Endosulfan sulfate	50.6	50.0	ug/L	101	75.0 - 125		127252551
Endosulfan sulfate	69.0	50.0	ug/L	138	75.0 - 125	*	127252541
Endosulfan sulfate	59.6	50.0	ug/L	119	75.0 - 125		127252546
Endosulfan sulfate	53.9	50.0	ug/L	108	75.0 - 125		127252547
Endrin	52.1	50.0	ug/L	104	75.0 - 125		127252551
Endrin	67.6	50.0	ug/L	135	75.0 - 125	*	127252541
Endrin	66.4	50.0	ug/L	133	75.0 - 125	*	127252546
Endrin	62.5	50.0	ug/L	125	75.0 - 125		127252547
Endrin aldehyde	41.6	50.0	ug/L	83.2	75.0 - 125		127252551
Endrin aldehyde	36.2	50.0	ug/L	72.4	75.0 - 125	*	127252541
Endrin aldehyde	33.0	50.0	ug/L	66.0	75.0 - 125	*	127252546
Endrin aldehyde	28.1	50.0	ug/L	56.2	75.0 - 125	*	127252547
Gamma-BHC(Lindane)	48.8	50.0	ug/L	97.6	75.0 - 125		127252551
Gamma-BHC(Lindane)	52.7	50.0	ug/L	105	75.0 - 125		127252541
Gamma-BHC(Lindane)	50.1	50.0	ug/L	100	75.0 - 125		127252546
Gamma-BHC(Lindane)	46.2	50.0	ug/L	92.4	75.0 - 125		127252547
Heptachlor	47.7	50.0	ug/L	95.4	75.0 - 125		127252551
Heptachlor	55.6	50.0	ug/L	111	75.0 - 125		127252541
Heptachlor	54.1	50.0	ug/L	108	75.0 - 125		127252546
Heptachlor	48.8	50.0	ug/L	97.6	75.0 - 125		127252547

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Parameter	Reading	Known	Units	Recover%	Limits%	File
Heptachlor epoxide	48.0	50.0	ug/L	96.0	75.0 - 125	127252551
Heptachlor epoxide	54.6	50.0	ug/L	109	75.0 - 125	127252541
Heptachlor epoxide	53.7	50.0	ug/L	107	75.0 - 125	127252546
Heptachlor epoxide	51.5	50.0	ug/L	103	75.0 - 125	127252547

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Decachlorobiphenyl	628925	CCV	46.8	100	ug/L	46.8	0.100 - 144	127252551
Decachlorobiphenyl	628925	CCV	50.3	100	ug/L	50.3	0.100 - 144	127252541
Decachlorobiphenyl	628925	CCV	50.6	100	ug/L	50.6	0.100 - 144	127252546
Decachlorobiphenyl	628925	CCV	45.8	100	ug/L	45.8	0.100 - 144	127252547
Tetrachloro-m-Xylene (Surr)	628925	CCV	50.3	100	ug/L	50.3	0.100 - 107	127252551
Tetrachloro-m-Xylene (Surr)	628925	CCV	49.0	100	ug/L	49.0	0.100 - 107	127252541
Tetrachloro-m-Xylene (Surr)	628925	CCV	50.1	100	ug/L	50.1	0.100 - 107	127252546
Tetrachloro-m-Xylene (Surr)	628925	CCV	50.2	100	ug/L	50.2	0.100 - 107	127252547
Decachlorobiphenyl	2372172	Unknown	0.0399	0.103	ug/L	38.7	0.100 - 144	127252618
Tetrachloro-m-Xylene (Surr)	2372172	Unknown	0.0507	0.103	ug/L	49.2	0.100 - 107	127252618

Analytical Set 1158098 — ASTM D7065-17

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Nonylphenol	1157307	ND	5.00	30.0	ug/L	127254827

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Nonylphenol	160000	150000	ug/L	106	70.0 - 130	127254826
Nonylphenol	150000	150000	ug/L	100	70.0 - 130	127254834

IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
Acenaphthene-d10-ISTD	623252	CCV	616700	616700	308400	925100	127254826	623252
Acenaphthene-d10-ISTD	623252	CCV	549700	616700	308400	925100	127254834	623252
Phenanthrene-d10-ISTD	623252	CCV	908000	908000	454000	1362000	127254826	623252
Phenanthrene-d10-ISTD	623252	CCV	858800	908000	454000	1362000	127254834	623252
Acenaphthene-d10-ISTD	1157307	Blank	409000	616700	308400	925100	127254827	1157307
Acenaphthene-d10-ISTD	1157307	LCS	435900	616700	308400	925100	127254828	1157307
Acenaphthene-d10-ISTD	1157307	LCS Dup	443500	616700	308400	925100	127254829	1157307
Phenanthrene-d10-ISTD	1157307	Blank	649500	908000	454000	1362000	127254827	1157307
Phenanthrene-d10-ISTD	1157307	LCS	689800	908000	454000	1362000	127254828	1157307
Phenanthrene-d10-ISTD	1157307	LCS Dup	699200	908000	454000	1362000	127254829	1157307
Acenaphthene-d10-ISTD	2372172	Unknown	496900	616700	308400	925100	127254832	1157307
Phenanthrene-d10-ISTD	2372172	Unknown	785500	908000	454000	1362000	127254832	1157307

IS RetTime

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
Acenaphthene-d10-ISTD	623252	CCV	7.512	7.512	7.452	7.572	127254826	623252

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IS RetTime

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
Acenaphthene-d10-ISTD	623252	CCV	7.512	7.512	7.452	7.572	127254834	623252
Phenanthrene-d10-ISTD	623252	CCV	8.768	8.768	8.708	8.828	127254826	623252
Phenanthrene-d10-ISTD	623252	CCV	8.768	8.768	8.708	8.828	127254834	623252
Acenaphthene-d10-ISTD	1157307	Blank	7.518	7.512	7.452	7.572	127254827	1157307
Acenaphthene-d10-ISTD	1157307	LCS	7.512	7.512	7.452	7.572	127254828	1157307
Acenaphthene-d10-ISTD	1157307	LCS Dup	7.512	7.512	7.452	7.572	127254829	1157307
Phenanthrene-d10-ISTD	1157307	Blank	8.774	8.768	8.708	8.828	127254827	1157307
Phenanthrene-d10-ISTD	1157307	LCS	8.768	8.768	8.708	8.828	127254828	1157307
Phenanthrene-d10-ISTD	1157307	LCS Dup	8.768	8.768	8.708	8.828	127254829	1157307
Acenaphthene-d10-ISTD	2372172	Unknown	7.512	7.512	7.452	7.572	127254832	1157307
Phenanthrene-d10-ISTD	2372172	Unknown	8.768	8.768	8.708	8.828	127254832	1157307

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Nonylphenol	1157307	85.8	68.8	150	56.0 - 112	57.2	45.9 *	ug/L	21.9	30.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
4-Nonylphenol-SURR	623252	CCV	30100	25000	ug/L	120	50.0 - 130	127254826
4-Nonylphenol-SURR	623252	CCV	27000	25000	ug/L	108	50.0 - 130	127254834
4-Nonylphenol-SURR	1157307	Blank	9610	25000	ug/L	38.4 *	50.0 - 130	127254827
4-Nonylphenol-SURR	1157307	LCS	12900	25000	ug/L	51.6	50.0 - 130	127254828
4-Nonylphenol-SURR	1157307	LCS Dup	10400	25000	ug/L	41.6 *	50.0 - 130	127254829
4-Nonylphenol-SURR	2372172	Unknown	18.1	25.6	ug/L	70.7	50.0 - 130	127254832

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

MSD - Matrix Spike Duplicate (replicate of the matrix spike; same solution and amount of target analyte added to the MS is added to a third aliquot of sample; quantifies matrix bias and precision.); 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.); DFTPP - GC/MS Tuning Compound; CCB - Continuing Calibration Blank; AWRL/LOQ C - Ambient Water Reporting Limit/LOQ Check Std; IS Areas - Internal Standard Area (The area of the internal stadard relative to a check standard. Internal Standard is a known concentration of an analyte(s) that is not a sample component or standard that is added to the sample and standard and is used to measure the relative responses of other analytes in the same sample or standard.); IS RetTime - Internal Standard Retention Time (the time the internal standard comes off the column. Internal Stardard is a known concentration of an analyte(s) that is not a sample component or standard that is added to the sample and standard and is used to measure the relative responses of other analytes in the same sample or standard.)

1132181 CoC Print Group 001 of 003

AQUA-TECH LABORATORIES, INC.

ATL - Bryan Facility:
635 Phil Gramm Blvd.
Bryan, TX 77807
(979) 778-3707
Fax (979) 778-3193

ATL - Austin Facility:
3512 Montopolis Drive
Austin, TX 78744
(512) 301-9559
Fax (512) 301-9552

Chain-of-Custody & Analysis Request

SHIPPED TO:
SPL-Kilgore (T104704201)
2600 Dudley Road
Kilgore, TX 75662
Phone: (903) 984-0551
Fax: (903) 984-5914

C-O-C #
784 - I001046

T104704371

All analyses must be performed by a TNI approved method certified by the TCEQ. Contact ATL's sample custodian via voice and email if your methods do not meet this criteria.

Analysis Request for: **Sample ID: I001046-01** Sampled: 01/13/25 09:00 Matrix: Non Potable **Laboratory ID >>** 2372172

Nonylphenol - ASTM D7065-11	Hg LL - EPA 1631/245.7 R2.0	Ag - EPA 200.8 R5.4	Hexachlorophene - EPA 604.1
Mirex & Dicofol - EPA 608	PCB - EPA 608	Pesticides 10054 - EPA 608.3	Organophoshorus Pesticides 10054 - EPA 614
Herbicides - EPA 615	Chlorpyrifos 10054 - EPA 622	Cresols NP - EPA 625	Semivolatiles (10054/55) - EPA 625
Carbaryl - EPA 632	Diuron - EPA 632		

Analysis Request for: **Sample ID: I001046-03** Sampled: 01/13/25 09:20 Matrix: Non Potable **Laboratory ID >>** 2372180

Hg LL - EPA 1631/245.7 R2.0

CONTAINERS SUPPLIED: (ATL indicates cooler number in parentheses for each container - only required if more than one cooler listed below.)

( ) I001046-01 [J] - Carbaryl-Diuron 1LG	( ) I001046-01 [K] - Cresols 1LG	( ) I001046-01 [L] - Hexachlorophene 1LG
( ) I001046-01 [M] - Herbicides 1LG	( ) I001046-01 [N] - Pest OrgPO4 1LG	( ) I001046-01 [O] - Pesticides 1LG
( ) I001046-01 [P] - PCB 1LG	( ) I001046-01 [Q] - Semivolatiles 1LG Amber	( ) I001046-01 [R] - Semivolatiles 1LG Amber
( ) I001046-01 [S] - [SUB] ANA 0.5LP HNO3 *[pH<2]*	( ) I001046-01 [T] - [SUB] ANA Hg LL ANA 1L HCl	( ) I001046-01 [U] - NONYLPHENOL 1LG H2SO4 *[pH<2]*

( ) I001046-03 [A] - [SUB] ANA Hg LL ANA 1L HCL BLAN

See next page(s) for list of analytes requested.

Relinquished by: (print & sign) [X] ATL-Austin [ ] ATL - Bryan [ ] Sampler Kristin Torres		Date: 1-13-25	Time: 1415	[✓] Iced [✓] Custody Sealed [ ] Not Chilled
Carrier & Tracking Number: Fed Ex	Cooler 1: AQU1 7704 4834 3480			Sample Info "X" all that apply
Received by: (print & sign) [✓] Received in Lab McCabe Wheeler SPL, Inc.		Date: 1/14/25	Time: 1015	[ ] Received Iced [ ] CTU [✓] Condition Good [ ] Not Rec'd Iced

Line below documents condition at receipt in lab (shipped to) listed above.

Cooler Temperature (°C)	Temp. Read (TR)	Corrected Temp. (CT)	Thermometer ID
Cooler 1			
N/A	N/A	N/A	

Please email reports to: reporting@aqua-techlabs.com

Please return cooler(s) to: Austin Facility

Abbreviations: DW - Drinking Water; NP - Non-Potable Water; S - Solid; CTU - Custody Transfer Unbroken; StP - Sterile Plastic; LP - Liter Plastic; LG - Liter Glass

Aqua-Tech Comments and Special Instructions

Use sample ID as PO#

Need new 2010 MALs. Please J Flag metals < MRL & note all metals < MDL on reports.

Do not further sub-contract any analysis.
Keep in house or call for further instructions.

AQUA-TECH LABORATORIES, INC.

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Fax (512) 301-9552

Chain-of-Custody & Analysis Request

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T104704371

C-O-C #

784 - I001046

All analyses must be performed by a TNI approved method certified by the TCEQ. Contact ATL's sample custodian via voice and email if your methods do not meet this criteria.

Analytes Requested for Multiple Component Tests

I001046-01

Ag EPA 200.8 R5.4
Silver

Carbaryl EPA 632
Carbaryl

Chlorpyrifos 10054 EPA 622
Chlorpyrifos

Cresols NP EPA 625

2,4-Dimethylphenol	2-Methylphenol (o-Cresol)	3&4-Methylphenol (m&p-Cresol)	4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-Cresol)
4-Chloro-3-methylphenol (4-Chloro-m-Cresol)	Total Cresols		

Diuron EPA 632
Diuron

Herbicides EPA 615

2,4,5-TP (Silvex)	2,4-D

Hexachlorophene EPA 604.1
Hexachlorophene

Hg LL EPA 1631/245.7 R2.0
Mercury

Mirex & Dicofol EPA 608

Dicofol	Mirex

Nonylphenol ASTM D7065-11
Nonylphenol

PCB EPA 608

PCB-1016	PCB-1221	PCB-1232	PCB-1242
PCB-1248	PCB-1254	PCB-1260	PCB-1262
PCB-1268			

Pesticides 10054 EPA 608.3

4,4´-DDD	4,4´-DDE	4,4´-DDT	Aldrin
alpha-BHC	beta-BHC	Chlordane	delta-BHC
Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulfate

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Fax (512) 301-9552

Chain-of-Custody & Analysis Request

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T104704371

C-O-C #

784 - I001046

All analyses must be performed by a TNI approved method certified by the TCEQ. Contact ATL's sample custodian via voice and email if your methods do not meet this criteria.

Analytes Requested for Multiple Component Tests

Endrin	Endrin aldehyde	gamma-BHC (Lindane)	Heptachlor
Heptachlor epoxide	Toxaphene		

Organophoshorus Pesticides 10054 EPA 614

Demeton	Diazinon	Guthion	Malathion
Parathion-ethyl	Parathion-methyl		

Semivolatiles (10054/55) EPA 625

1,2,4,5-Tetrachlorobenzene	1,2,4-Trichlorobenzene	1,2-Diphenylhydrazine	2,4,5-Trichlorophenol
2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol
2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene	2-Chlorophenol
2-Nitrophenol	3&4-Methylphenol (m&p-Cresol)	3,3´-Dichlorobenzidine	4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-Cresol)
4-Bromophenyl phenyl ether	4-Chloro-3-methylphenol (4-Chloro-m-Cresol)	4-Chlorophenyl phenyl ether	4-Nitrophenol
Acenaphthene	Acenaphthylene	Anthracene	Benzidine
Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (g,h,i) perylene
Benzo (k) fluoranthene	Bis(2-chloroethoxy)methane	Bis(2-chloroethyl)ether	Bis(2-chloroisopropyl)ether
Bis(2-ethylhexyl)phthalate	Butyl benzyl phthalate	Chrysene	Cresol(s)
Dibenz (a,h) anthracene	Diethyl phthalate	Dimethyl phthalate	Di-n-butyl phthalate
Di-n-octyl phthalate	Fluoranthene	Fluorene	Hexachlorobenzene
Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno (1,2,3-cd) pyrene
Isophorone	Naphthalene	Nitrobenzene	N-Nitrosodiethylamine
N-Nitrosodimethylamine	N-Nitroso-di-n-butylamine	N-Nitrosodi-n-propylamine	N-Nitrosodiphenylamine
o-Cresol	Pentachlorobenzene	Pentachlorophenol	Phenanthrene
Phenol	Pyrene	Pyridine	

I001046-03

Hg LL EPA 1631/245.7 R2.0

Mercury

HO (G)ME
I001045/46

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.

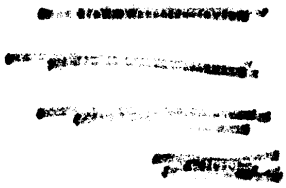
Grab ☐ Composite ☐

Date and time sample(s) collected: [redacted]

Table 4.0(1) – Toxics Analysis

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acrylonitrile				50
Aldrin				0.01
[redacted]				2.5
Anthracene				10
[redacted]				5
[redacted]				0.5
[redacted]				3
Benzene				10
Benzidine				50
Benzo(a)anthracene				5

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Benzo(a)pyrene				5
Bis(2-chloroethyl)ether				10
Bis(2-ethylhexyl)phthalate				10
Bromodichloromethane				10
Bromoform				10
[redacted]				1
Carbon Tetrachloride				2
Carbaryl				5
Chlordane*				0.2
Chlorobenzene				10
Chlorodibromomethane				10
Chloroform				10
Chlorpyrifos				0.05
[redacted]				3
[redacted]				N/A
[redacted]				3
[redacted]				2
Chrysene				5
p-Chloro-m-Cresol				10
4,6-Dinitro-o-Cresol				50
p-Cresol				10



Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
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				0.1
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

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Diuron				0.09
Endosulfan I (alpha)				0.01
Endosulfan II (beta)				0.02
Endosulfan Sulfate				0.1
Endrin				0.02
Ethylbenzene				10
[redacted]				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 (Lindane)				0.05
Hexachlorocyclopentadiene				10
Hexachloroethane				20
Hexachlorophene				10
[redacted]				0.5
Malathion				0.1

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Mercury				0.005
Methoxychlor				2
Methyl Ethyl Ketone				50
Mirex				0.02
[redacted]				2
[redacted]				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) (*3)				0.2
Pyridine				20
[redacted]				5
[redacted]				0.5
1,2,4,5-Tetrachlorobenzene				20
1,1,2,2-Tetrachloroethane				10

[redacted]

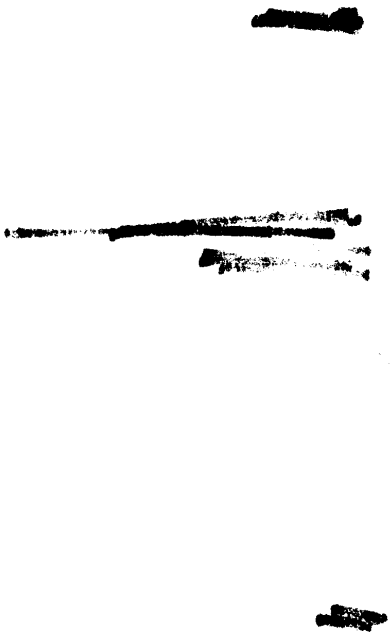
[redacted]

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Tetrachloroethylene				10
[redacted]				0.5
Toluene				10
Toxaphene				0.3
2,4,5-TP (Silvex)				0.3
[redacted]				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
[redacted]				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:

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

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
[illegible]				5
[illegible]				0.5
[illegible]				0.5
[illegible]				1
[illegible]				3
[illegible]				3
[illegible]				N/A
[illegible]				2
[illegible]				0.5
[illegible]				0.005
[illegible]				2
[illegible]				5
[illegible]				0.5
[illegible]				0.5
[illegible]				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

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acrolein				50
Acrylonitrile				50
Benzene				10
Bromoform				10
Carbon Tetrachloride				2
Chlorobenzene				10
Chlorodibromomethane				10
Chloroethane				50
2-Chloroethylvinyl Ether				10
Chloroform				10
Dichlorobromomethane [Bromodichloromethane]				10
1,1-Dichloroethane				10
1,2-Dichloroethane				10
1,1-Dichloroethylene				10
1,2-Dichloropropane				10
1,3-Dichloropropylene [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

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

Table 4.0(2)C - Acid Compounds

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
2-Chlorophenol				10
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

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
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

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
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

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Aldrin				0.01
alpha-BHC (Hexachlorocyclohexane)				0.05
beta-BHC (Hexachlorocyclohexane)				0.05
gamma-BHC (Hexachlorocyclohexane)				0.05
delta-BHC (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

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

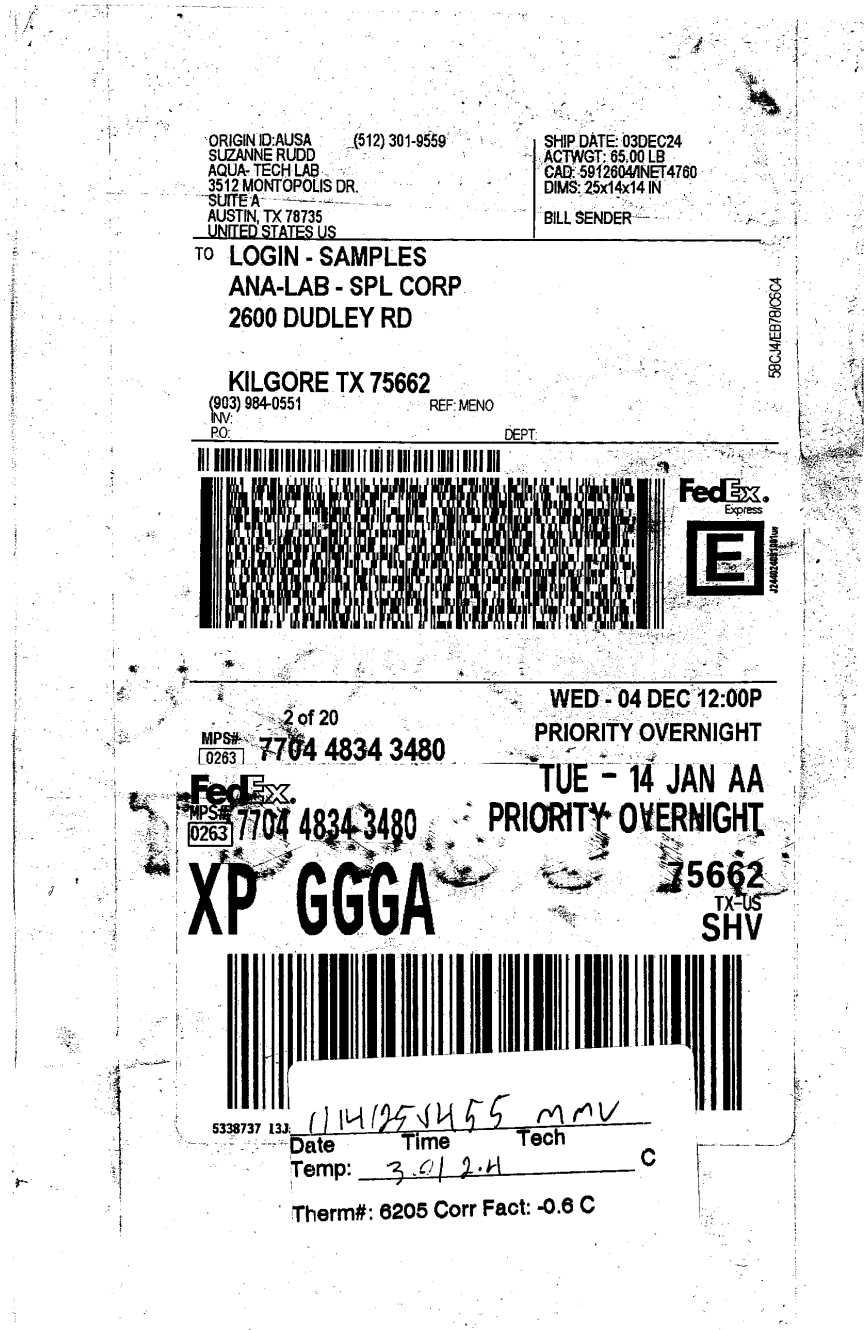
* For PCBS, if all are non-detects, enter the highest non-detect preceded by a "<".

Section 3. Dioxin/Furan Compounds

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

- ☐ 2,4,5-trichlorophenoxy acetic acid
  Common Name 2,4,5-T, CASRN 93-76-5
- ☐ 2-(2,4,5-trichlorophenoxy) propanoic acid
  Common Name Silvex or 2,4,5-TP, CASRN 93-72-1
- ☐ 2-(2,4,5-trichlorophenoxy) ethyl 2,2-dichloropropionate
  Common Name Erbon, CASRN 136-25-4
- ☐ 0,0-dimethyl 0-(2,4,5-trichlorophenyl) phosphorothioate
  Common Name Ronnel, CASRN 299-84-3
- ☐ 2,4,5-trichlorophenol
  Common Name TCP, CASRN 95-95-4
- ☐ hexachlorophene
  Common Name HCP, CASRN 70-30-4

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


ORIGIN ID:AUSA (512) 301-9559
SUZANNE RUDD
AQUA-TECH LAB
3512 MONTOPOLIS DR.
SUITE A
AUSTIN, TX 78735
UNITED STATES US
SHIP DATE: 03DEC24
ACTWGT: 65.00 LB
CAD: 5912604/INET4760
DIMS: 25x14x14 IN
BILL SENDER
TO LOGIN - SAMPLES
ANA-LAB - SPL CORP
2600 DUDLEY RD
KILGORE TX 75662
(903) 984-0551
REF: MENO
INV:
PO:
DEPT:
58CJ4/EB78/C5C4
FedEx Express
2 of 20
MPS# 0263 7704 4834 3480
WED - 04 DEC 12:00P
PRIORITY OVERNIGHT
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TUE - 14 JAN AA
PRIORITY OVERNIGHT
XP GGGA
75662
TX-US
SHV
5338737 13J
Date
Time
Tech
Temp:
C
Therm#: 6205 Corr Fact: -0.6 C

Email information for report date:
2/4/25 17:20

I001045

Pflugerville, City of

Attn: Matt Johns
BrandonP@pflugervilletx.gov

P.O. Box 589
Pflugerville, TX 78071

Please contact us for your sampling needs or if you have any questions. Some convenient contacts are listed below. You can also access your results and reports through our ClientConnect ™ portal on our website (www.aqua-techlabs.com).

For sampling questions:

samplingbryan@aqua-techlabs.com (Bryan area)
samplingaustin@aqua-techlabs.com (Austin area)

reporting@aqua-techlabs.com (report questions)

Aqua-Tech values you as a customer and encourages you to speak with our staff at 979-778-3707 or the above emails if you have questions.

Thank you for your business,
June M. Brien
Executive Technical Director

BRYAN FACILITY
635 Phil Gramm Boulevard
Bryan, TX 77807
Phone: (979) 778-3707
Fax: (979) 778-3193

AQUA-TECH LABORATORIES

AUSTIN FACILITY
3512 Montopolis Dr. Suite A
Austin, TX 78744
Phone: (512) 301-9559
Fax: (512) 301-9552

The analyses summarized in this report were performed by Aqua-Tech Laboratories, Inc. unless otherwise noted. Aqua-Tech Laboratories, Inc. holds accreditation from the State of Texas in accordance with TNI and/or through the TCEQ Drinking Water Commercial Laboratory Approval Program.

The following abbreviations indicate certification status:

NEL	TNI accredited parameter.
ANR	Accreditation not offered by the State of Texas.
DWP	Approval through the TCEQ Drinking Water Commercial Laboratory Approval Program.
INF	Aqua-Tech Laboratories, Inc. is not accredited for this parameter. It is reported on an informational basis only.

Subcontracted data summarized in this report is indicated by "Sub" in the Lab column.

Certificate: TX-C24-00311

TCEQ Lab ID T104704371

General Definitions:

NR	Not Reported.
RPD	Relative Percent Difference.
% R	Percent Recovery.
dry	Results with the "dry" unit designation are reported on a "dry weight" basis.
SQL	The Sample Quantitation Limit is the value below which the parameter cannot reliably be detected. The SQL includes all sample preparations, dilutions and / or concentrations.
Adj MDL	The Adjusted Method Detection Limit is the MDL value adjusted for any sample dilutions or concentrations .
MDL	The Method Detection Limit is the lowest theoretical value that is statistically different from zero for a specific method, taking into account all preparation steps and instrument settings.

All samples are reported on an "as received" basis unless the designation "dry" is added to the reported unit.

Copies of Aqua-Tech Laboratories, Inc. procedures and individual sampling plans are available upon request. Note that samples are collected by Aqua-Tech Laboratories, Inc. personnel unless otherwise noted in the "Sample Collected" field of this report as "Client" or "CLT".

Samples included in this report were received in acceptable condition according to Aqua-Tech Laboratories, Inc. procedures and 40 CFR, Chapter I, Subchapter D, Part 136.3, TABLE II. - *Required containers, preservation techniques, and holding times*, unless otherwise noted in this report.

Record Retention:

All reports, raw data, and associated quality control data are kept on file for 10 years before being destroyed. Any client that would like copies of records must contact Aqua-Tech Laboratories, Inc. no later than six months prior to the scheduled disposal. An administrative fee for retrieval and distribution will apply.

This report was approved by:

June M. Brien, Technical Director

BRYAN FACILITY
635 Phil Gramm Boulevard
Bryan, TX 77807
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Fax: (979) 778-3193

AQUA-TECH LABORATORIES

AUSTIN FACILITY
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Austin, TX 78744
Phone: (512) 301-9559
Fax: (512) 301-9552

Analytical Report

Pflugerville, City of

Report Printed: **2/4/25** **17:20**

I001045

Pflugerville WWTP Effluent

Collected: 01/13/25 09:15 by Client
Received: 01/13/25 12:20 by Ana Garza

Type: Grab
Matrix: Non Potable
C-O-C #: I001045

Lab ID# I001045-01

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
General Chemistry											
Total Alkalinity as CaCO3 (pH4.5)	**223**	mg/L		5.00	5.00	5.00	*Austin*	01/16/25 07:20 MSA	SM2320 B 2011	M188068	DWP
Oil & Grease (HEM)	**<5.2**	mg/L		4.4	5.2	5.2	*Bryan*	01/21/25 09:55 HDH	EPA 1664B	M188276	NEL
Microbiological Analyses											
Fecal Coliform	**<1**	CFU/100 mL	F2, Micro-Log	1	1	1	*Austin*	01/13/25 16:19 AOG	SM9222 D 2015	M187939	NEL
E. Coli	**1.0**	MPN/100 mL		1.0	1.0	1.0	*Austin*	01/13/25 16:23 CZ	SM9223 B 2004	M187930	NEL

Results run by SM 9223B are reported as MPN (Most Probable Number). MPN is comparable to CFU (Colony Forming Units). Both MPN and CFU are allowed in most permits.

Acrolein-Acrylonitrile and Volatiles cancelled due to air bubbles in the sample containers. CLT will recollect samples.

Explanation of Notes

F2	Verified fecal coliform count/100mL.
Micro-Log	Log10 duplicate range is outside typical range.

Form: C:\ELMNT\FORMAT\ATL 090124 FIN_LS.RPT

BRYAN FACILITY
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AQUA-TECH LABORATORIES

AUSTIN FACILITY
3512 Montopolis Dr. Suite A
Austin, TX 78744
Phone: (512) 301-9559
Fax: (512) 301-9552

Analytical Report

Pflugerville, City of

Report Printed: **2/4/25** **17:20**

I001045

General Chemistry - Quality Control

	Result	Units	Notes	MDL	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	RPD	RPD Limit	Batch	
Oil & Grease (HEM) - EPA 1664B														*Bryan*
Blank	<5.0	mg/L		5.0	5.0	01/21/25 09:55 HDH							M188276	
LCS	34.6	mg/L		5.1	5.1	01/21/25 09:55 HDH	40.8		84.9	78 - 114			M188276	
LCS Dup	38.1	mg/L		5.0	5.0	01/21/25 09:55 HDH	40.6		93.8	78 - 114	10.0	200	M188276	
Matrix Spike	36.3	mg/L		5.6	5.6	01/21/25 09:55 HDH	44.8	<5.6	80.9	78 - 114			M188276	
Total Alkalinity as CaCO3 (pH4.5) - SM2320 B 2011														*Austin*
Initial Cal Check	6.88	mg/L				01/16/25 07:20 MSA	6.86		100	97 - 103			2501192	
Initial Cal Check	9.16	mg/L				01/16/25 07:20 MSA	9.18		99.8	97 - 103			2501192	
Low Cal Check	20.7	mg/L				01/16/25 07:20 MSA	18.8		110	70 - 130			2501192	
Duplicate	179	mg/L		5.00	5.00	01/16/25 07:20 MSA		177			1.29	5.52	M188068	
LCS	78.4	mg/L		5.00	5.00	01/16/25 07:20 MSA	75.4		104	95.5 - 105			M188068	
LCS Dup	78.9	mg/L		5.00	5.00	01/16/25 07:20 MSA	75.4		105	95.5 - 105	0.661	4.76	M188068	
MRL Check	20.7	mg/L		5.00	5.00	01/16/25 07:20 MSA	18.8		110	70 - 130			M188068	

Microbiological Analyses - Quality Control

	Result	Units	Notes	MDL	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	Log10 Comparison Range	Log10 Comparison Control Limit	Batch	
E. Coli - SM9223 B 2004														*Austin*
Blank	<1.0	MPN/100 mL		1.0	1.0	01/13/25 14:48 CZ							M187930	
Dup Log10 Range		MPN/100 mL		1.0	1.0	01/13/25 16:23 CZ					0.301		M187930	
Duplicate	<1.0	MPN/100 mL		1.0	1.0	01/13/25 16:23 CZ		1.0				0.5	M187930	
Fecal Coliform - SM9222 D 2015														*Austin*
Blank	<1	CFU/100 mL		1	1	01/13/25 16:19 AOG							M187939	
Blank	<1	CFU/100 mL		1	1	01/13/25 16:19 AOG							M187939	
Dup Log10 Range		CFU/100 mL		1	1	01/13/25 16:19 AOG					0.602		M187939	
Duplicate	3	CFU/100 mL	*F2, Micro-Log*	1	1	01/13/25 16:19 AOG		<1				0.5	M187939	

Sample Preparation Summary

Sample	Method	Prepared	Lab	Bottle	Initial	Units	Final	Units	External Dilution Factor	Batch
I001045-01										
E. Coli	SM9223 B 2004	1/13/25 16:05 CZ	Austin	B	100	N/A	100	N/A	1	M187930
Fecal Coliform	SM9222 D 2015	1/13/25 16:09 AOG	Austin	C	100	N/A	100	N/A	1	M187939
Oil & Grease (HEM)	EPA 1664B	1/21/25 9:55 HDH	Bryan	D	970	mL	1000	mL	1	M188276
Total Alkalinity as CaCO3 (pH4.5)	SM2320 B 2011	1/16/25 7:20 MSA	Austin	A	50.0	mL	50.0	mL	1	M188068

Form: C:\ELMNT\FORMAT\ATL 090124 FIN_LS.RPT

Chain-of-Custody and Analysis Request

AQUA-TECH LABORATORIES, INC.

Client / Project Name: Pflugerville, City of — Pflugerville WWTP Permit Renewal Grab

Aqua-Tech laboratories, Inc.

Austin	Bryan
3512 Montopolis Dr.	635 Phil Gramm Blvd.
Austin, TX 78744	Bryan, TX 77807
512.301.9559	979.778.3707

Test results meet all accreditation/certification requirements unless stated otherwise.

TCEQ LAB ID: T104704371

C-O-C # **I001045**

Page 1 of 1

rte_ATL COC 012723.rpt

Contact Information

Name Matt Johns
Address P.O. Box 589
City Pflugerville
State TX Zip 78071
Phone (512) 990-6400
email

Definitions

DW Drinking Water
NP Non-Potable Water
S Solid
CM Custody Maintained
CTU Custody Transfer Unbroken
CT Corrected Temperature

Reagent tracking is available upon request.

Analyses Requested: "A" prefix indicates Austin, all others Bryan or Subcontracted, indicated by [SUB]
Name format: Analysis-Matrix-Technology-Method.

[NEL] = NELAP accredited parameter
[SUB] = NELAP accredited subcontracted parameter
[CNR] = No NELAP accreditation required or available
[INF] = Informational only (not NELAC certified)

By relinquishing the samples listed below to Aqua-Tech laboratories, Inc. (ATL), the client agrees to the following terms. Samples will be analyzed by a method that is within ATL's NELAP fields of accreditation (FoA). Analytes requiring an accredited method that is not within ATL's FoA will be subcontracted to a NELAP lab that is accredited for that method. Clients will be notified of the subcontract lab's details. Other analytes not requiring accreditation will be analyzed by a compendial method. If a specific method is required, the client will note the method in the "Analysis Requested" column. The client approves all method modifications documented by ATL or the subcontract lab.

A current list of ATL's NELAC fields of accreditation and other methods are available on request.

Sample Custody

Relinquished (print & sign)	Sampler	Date 1-13-25	Iced / Refrig
	Client	Time 0930	Custody Sealed
	ATL Field		
Received (print & sign)	Client	Date 1/13/25	Iced / Refrig
	ATL Field	Time 1149 1020 MECA617	CM / CTU
Relinquished (print & sign)	Client	Date	Iced / Refrig
	ATL Field	Time	CM / CTU
Received (print & sign)	Client	Date	Iced / Refrig
	ATL Field	Time	CM / CTU
Relinquished (print & sign) Ana Garza	Client	Date 01/13/25	Iced / Refrig
	ATL Field	Time 1220	CM / CTU / Sealed
Received (print & sign) Ana Garza	Lab X	Date 01/13/25 Time 12:20	Cond Good X, Iced / Refrig X, CM / CTU X

Comments:

- LAB RECEIPT - AQU7

Temperature - CT (C):	1.5
Preservation Correct:	Yes
Post-Preservatives:	N/A
Thermometer ID:	0811654
pH Paper ID:	0820913

ko_A COC MULTI 043020.rpt

Field Sample ID	Start Date	Start Time	End Date	End Time	Composite Type	Sample Matrix	Container (Checked box indicates bottle arrived in lab) (Volume Type - Preservative)	Lab ID
Pflugerville WWTP Effluent	1-13-25	0915	- N/A -	- N/A	Grab	NP	A ALK 0.25LP B Ecoli 0.15L StP Na2S2O3 C Fecal 0.15L StP Na2S2O3 D OG - 1LG Amber HCl E OG - 1LG Amber HCl F OG pH Chk - 1LP HCl pH<2 G [SUB] ANA CN 0.25LP NaOH pH>10 H [SUB] ANA CN 0.25LP NaOH pH>10 I Phenol 1LG H2SO4 pH<2 J Acrolein Acrylonitrile 40mL VOA K Acrolein Acrylonitrile 40mL VOA L Acrolein Acrylonitrile 40mL VOA M Acrolein Acrylonitrile 40mL VOA N Volatiles 40mL VOA Na2S2O3 O Volatiles 40mL VOA Na2S2O3 P Volatiles 40mL VOA Na2S2O3 Q Volatiles 40mL VOA Na2S2O3	I001045-01

A Alkalinity NP Probe SM 2320 B [NEL]
AcroleinAcrylo. (10054-55) NP GCMS EPA624.1 [SUB]
CN NP SM4500 CN E [SUB]
Vol 10054 NP GC-MS EPA 624.1 [SUB]
A E.Coli MPN SM9223 B [NEL]
CN Amenable (PKG) NP SM4500 CN E G [SUB]
O&G Grav EPA 1664B [NEL]
Y Billing Ship to Sub-Contract Lab
A Fecal NP SM 9222 D [NEL]
CN Amenable NP SM4500 CN G [SUB]
Phenol DW NP FIA-RFA EPA 420.4 [SUB]

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Project
1132180

AQU1-G

AquaTech Laboratories
John Brien
635 Phil Gramm Blvd.
Bryan, TX 77807-9104

Printed 01/20/2025
13:43

TABLE OF CONTENTS

I001045

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

Email: Kilgore.ProjectManagement@spllabs.com

2600 Dudley Rd. Kilgore, Texas 75662
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380
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SAMPLE CROSS REFERENCE

Project
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AquaTech Laboratories
John Brien
635 Phil Gramm Blvd.
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Sample	Sample ID	Taken	Time	Received
2372171	*I001045-01*	01/13/2025	09:15:00	01/14/2025

Bottle 01 Client supplied H2SO4 Amber Glass
Bottle 02 Client supplied NaOH
Bottle 03 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1156163) Volume: 10.00000 mL <== Derived from 02 (5 ml)
Bottle 04 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1156168) Volume: 10.00000 mL <== Derived from 02 (5 ml)
Bottle 05 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1156565) Volume: 6.00000 mL <== Derived from 01 (6 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-CN⁻ G-2016			01/20/2025		01/20/2025
SM 4500-CN⁻ G-2016	03	1156163	01/15/2025	1156814	01/19/2025
SM 4500-CN⁻ E-2016	04	1156168	01/15/2025	1156815	01/19/2025
EPA 420.4 1	05	1156565	01/17/2025	1156917	01/20/2025

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Project 1132180

AquaTech Laboratories
John Brien
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Bryan, TX 77807-9104

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I001045

RESULTS

Sample Results

2372171 **I001045-01** Received: 01/14/2025

Non-Potable Water | Collected by: Client | AquaTech Laboratorie | PO: I001045
Taken: 01/13/2025 09:15:00

EPA 420.4 1 Prepared: 1156565 01/17/2025 08:21:51 Analyzed 1156917 01/20/2025 07:38:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Phenolics, Total Recoverable**	**0.025**	**mg/L**	0.005			05

SM 4500-CN⁻ E-2016 Prepared: 1156168 01/15/2025 11:09:27 Analyzed 1156815 01/19/2025 10:46:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Cyanide, total**	**<0.00238**	**mg/L**	0.00238			04

SM 4500-CN⁻ G-2016 Prepared: 01/20/2025 08:37:24 Calculated 01/20/2025 08:37:24 CAL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Cyanide - Available/Amenable**	**<0.005**	**mg/L**	0.005			

SM 4500-CN⁻ G-2016 Prepared: 1156163 01/15/2025 11:02:18 Analyzed 1156814 01/19/2025 10:46:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Cyanide After Chlorination**	**0.0048**	**mg/L**	0.005	J		03

Sample Preparation

2372171 **I001045-01** Received: 01/14/2025

I001045

01/13/2025

EPA 420.4 1 Prepared: 1156565 01/17/2025 08:21:51 Analyzed 1156565 01/17/2025 08:21:51 MEG

NELAC	**Phenol Distillation**	**6/6**	**ml**				01

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Printed: 01/20/2025

2372171 I001045-01 Received: 01/14/2025

I001045

01/13/2025

	SM 4500-CN⁻C-2016	*Prepared:*	*1156163*	*01/15/2025*	*11:02:18*	*Analyzed*	*1156163*	*01/15/2025*	*11:02:18*	*MEG*
NELAC	**CN Dist After Chlorination**	**10/5**		**ml**						02
	SM 4500-CN⁻C-2016	*Prepared:*	*1156168*	*01/15/2025*	*11:09:27*	*Analyzed*	*1156168*	*01/15/2025*	*11:09:27*	*MEG*
NELAC	**Cyanide Distillation**	**10/5**		**ml**						02

Qualifiers:

J - Analyte detected below quantitation limit

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

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

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

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

Bill Peery

Bill Peery, MS, VP Technical Services

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RESULTS

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I001045

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CAS	Parameter	Results	MDL	SDL	MQL	MQLAdj	Flag	Units	Target	Bottle	Dilute
Non-Potable Water	**Administrative**								**SM 4500-CN⁻ G-2016**		
2372171	**I001045-01**										
		Collection:	01/13/2025		09:15:00	Client			*Received:*	01/14/2025	
	Prepared:			*Analyzed:*				1/20/25	08:37:24		
	Cyanide - Available/Amenable	**ND**	0.00119	0.00238	0.0025	0.005		**mg/L**	0.010		1.00

MDL is Method Detection Limit (40 CFR 136 Appendix B)
SDL is Sample Detection Limit and is the adjusted MDL (sample specific dilutions, dry weight)
MQL is the Method Quantitation Limit and corresponds to a low standard
MQLADJ is the Adjusted Method Quantitation Limit (dilutions, dry weight)

Qualifiers:

J - Analyte detected below quantitation limit

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.

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CAS	Parameter	Results	MDL	SDL	MQL	MQLAdj	Flag	Units	Target	Bottle	Dilute
Non-Potable Water	**Distillations**									**EPA 420.4 1**	
2372171	I001045-01										
	Collection: 01/13/2025 09:15:00 Client								*Received:* 01/14/2025		
	Prepared: 1156565			*Analyzed:*	1156917			1/20/25	07:38:00		
	Phenolics, Total Recoverable	**0.025**	0.003	0.003	0.005	0.005		**mg/L**	0.005	05	1.00
Non-Potable Water	**Distillations**									**SM 4500-CN⁻ E-2016**	
2372171	I001045-01										
	Collection: 01/13/2025 09:15:00 Client								*Received:* 01/14/2025		
	Prepared: 1156168			*Analyzed:*	1156815			1/19/25	10:46:00		
	Cyanide, total	**ND**	0.00238	0.00238	0.005	0.005		**mg/L**	0.010	04	1.00
Non-Potable Water	**Distillations**									**SM 4500-CN⁻ G-2016**	
2372171	I001045-01										
	Collection: 01/13/2025 09:15:00 Client								*Received:* 01/14/2025		
	Prepared: 1156163			*Analyzed:*	1156814			1/19/25	10:46:00		
	Cyanide After Chlorination	**0.0048**	0.00119	0.00238	0.0025	0.005	J	**mg/L**		03	2.00

MDL is Method Detection Limit (40 CFR 136 Appendix B)

SDL is Sample Detection Limit and is the adjusted MDL (sample specific dilutions, dry weight)

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MQL is the Method Quantitation Limit and corresponds to a low standard

MQLADJ is the Adjusted Method Quantitation Limit (dilutions, dry weight)

Qualifiers:

J - Analyte detected below quantitation limit

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.

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z -- Not covered by our NELAC scope of accreditation

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QUALITY CONTROL

AQU1-G

AquaTech Laboratories
John Brien
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Project
1132180

Printed 01/20/2025

Analytical Set 1156814 — SM 4500-CN⁻ G-2016

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Cyanide After Chlorination	1156163	ND	0.00119	0.0025	mg/L	127227284

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide After Chlorination	0.502	0.500	mg/L	100	90.0 - 110	127227253
Cyanide After Chlorination	0.503	0.500	mg/L	101	90.0 - 110	127227254
Cyanide After Chlorination	0.507	0.500	mg/L	101	90.0 - 110	127227259
Cyanide After Chlorination	0.508	0.500	mg/L	102	90.0 - 110	127227270
Cyanide After Chlorination	0.509	0.500	mg/L	102	90.0 - 110	127227281
Cyanide After Chlorination	0.509	0.500	mg/L	102	90.0 - 110	127227285
Cyanide After Chlorination	0.513	0.500	mg/L	103	90.0 - 110	127227296
Cyanide After Chlorination	0.512	0.500	mg/L	102	90.0 - 110	127227306
Cyanide After Chlorination	0.512	0.500	mg/L	102	90.0 - 110	127227307
Cyanide After Chlorination	0.510	0.500	mg/L	102	90.0 - 110	127227308
Cyanide After Chlorination	0.509	0.500	mg/L	102	90.0 - 110	127227309

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD		Limit%
Cyanide After Chlorination	2371934	0.0058	0.013	mg/L	76.6	*	20.0
Cyanide After Chlorination	2371945	0.399	0.0018	mg/L	198	*	20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide After Chlorination	0.205	0.200	mg/L	102	90.0 - 110	127227252

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Cyanide After Chlorination	1156163	0.202	0.195	0.200	90.0 - 110	101	97.5	mg/L	3.53	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File		
Cyanide After Chlorination	2371934	0.409	0.013	0.400	mg/L	99.0	90.0 - 110	127227290		
Cyanide After Chlorination	2371945	0.0052	0.0018	0.400	mg/L	1.30	90.0 - 110	127227293	*	

Analytical Set 1156815 — SM 4500-CN⁻ E-2016

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Cyanide, total	1156168	ND	0.00238	0.005	mg/L	127227325

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide, total	0.502	0.500	mg/L	100	90.0 - 110	127227311
Cyanide, total	0.503	0.500	mg/L	101	90.0 - 110	127227312
Cyanide, total	0.507	0.500	mg/L	101	90.0 - 110	127227313
Cyanide, total	0.508	0.500	mg/L	102	90.0 - 110	127227314

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QUALITY CONTROL

AQU1-G

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CCV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Cyanide, total	0.509	0.500	mg/L	102	90.0 - 110	127227315
Cyanide, total	0.509	0.500	mg/L	102	90.0 - 110	127227323
Cyanide, total	0.513	0.500	mg/L	103	90.0 - 110	127227324
Cyanide, total	0.512	0.500	mg/L	102	90.0 - 110	127227326
Cyanide, total	0.512	0.500	mg/L	102	90.0 - 110	127227337
Cyanide, total	0.510	0.500	mg/L	102	90.0 - 110	127227348
Cyanide, total	0.509	0.500	mg/L	102	90.0 - 110	127227355

Duplicate

Parameter	*Sample*	*Result*	*Unknown*	*Unit*	*RPD*		*Limit%*
Cyanide, total	2371913	ND	ND	mg/L			20.0
Cyanide, total	2371934	ND	0.0042	mg/L	200	*	20.0

ICV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Cyanide, total	0.205	0.200	mg/L	102	90.0 - 110	127227310

LCS Dup

Parameter	*PrepSet*	*LCS*	*LCSD*	*Known*	*Limits%*	*LCS%*	*LCSD%*	*Units*	*RPD*	*Limit%*
Cyanide, total	1156168	0.418	0.400	0.400	90.0 - 110	104	100	mg/L	4.40	20.0

Mat. Spike

Parameter	*Sample*	*Spike*	*Unknown*	*Known*	*Units*	*Recovery %*	*Limits %*	*File*
Cyanide, total	2371913	0.383	ND	0.400	mg/L	95.8	90.0 - 110	127227331
Cyanide, total	2371934	0.397	0.0042	0.400	mg/L	99.2	90.0 - 110	127227334

Analytical Set 1156917 — EPA 420.4 1

Blank

Parameter	*PrepSet*	*Reading*	*MDL*	*MQL*	*Units*	*File*
Phenolics, Total Recoverable	1156565	ND	0.003	0.005	mg/L	127231303

CCV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Phenolics, Total Recoverable	0.202	0.200	mg/L	101	90.0 - 110	127231279
Phenolics, Total Recoverable	0.189	0.200	mg/L	94.5	90.0 - 110	127231288
Phenolics, Total Recoverable	0.190	0.200	mg/L	95.0	90.0 - 110	127231299
Phenolics, Total Recoverable	0.190	0.200	mg/L	95.0	90.0 - 110	127231310
Phenolics, Total Recoverable	0.192	0.200	mg/L	96.0	90.0 - 110	127231321
Phenolics, Total Recoverable	0.194	0.200	mg/L	97.0	90.0 - 110	127231332
Phenolics, Total Recoverable	0.195	0.200	mg/L	97.5	90.0 - 110	127231343
Phenolics, Total Recoverable	0.196	0.200	mg/L	98.0	90.0 - 110	127231354
Phenolics, Total Recoverable	0.194	0.200	mg/L	97.0	90.0 - 110	127231360

Duplicate

Parameter	*Sample*	*Result*	*Unknown*	*Unit*	*RPD*	*Limit%*
Phenolics, Total Recoverable	2371795	0.051	0.052	mg/L	1.94	20.0
Phenolics, Total Recoverable	2371799	0.023	0.025	mg/L	8.33	20.0

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QUALITY CONTROL

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ICV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Phenolics, Total Recoverable	0.205	0.200	mg/L	102	90.0 - 110	127231278

LCS Dup

Parameter	*PrepSet*	*LCS*	*LCSD*	*Known*	*Limits%*	*LCS%*	*LCSD%*	*Units*	*RPD*	*Limit%*
Phenolics, Total Recoverable	1156565	0.188	0.186	0.200	90.0 - 110	94.0	93.0	mg/L	1.07	20.0

Mat. Spike

Parameter	*Sample*	*Spike*	*Unknown*	*Known*	*Units*	*Recovery %*	*Limits %*	*File*	
Phenolics, Total Recoverable	2371795	0.209	0.052	0.200	mg/L	78.5	90.0 - 110	127231308	*
Phenolics, Total Recoverable	2371799	0.124	0.025	0.200	mg/L	49.5	90.0 - 110	127231312	*

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

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); CCV - Continuing Calibration Verification (same standard used to prepare the curve; typically a mid-range concentration; verifies the continued validity of the calibration curve); 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.)

1132180 CoC Print Group 001 of 001

AQUA-TECH LABORATORIES, INC.

ATL - Bryan Facility:
635 Phil Gramm Blvd.
Bryan, TX 77807
(979) 778-3707
Fax (979) 778-3193

ATL - Austin Facility:
3512 Montopolis Drive
Austin, TX 78744
(512) 301-9559
Fax (512) 301-9552

Chain-of-Custody & Analysis Request

SHIPPED TO:
SPL-Kilgore (T104704201)
2600 Dudley Road
Kilgore, TX 75662
Phone: (903) 984-0551
Fax: (903) 984-5914

C-O-C #
86 - I001045

T104704371

Page 1 of 1

All analyses must be performed by a TNI approved method certified by the TCEQ. Contact ATL's sample custodian via voice and email if your methods do not meet this criteria.

Analysis Request for: **Sample ID: I001045-01** Sampled: 01/13/25 09:15 Matrix: Non Potable **Laboratory ID >>** 2372171

Phenol - EPA 420.4 R1 | CN NP - SM4500 CN E 2011 | CN Amenable NP - SM4500 CN G 2011

CONTAINERS SUPPLIED: (ATL indicates cooler number in parentheses for each container - only required if more than one cooler listed below.)

( ) I001045-01 [G] - [SUB] ANA CN 0.25LP NaOH *[pH>10]*

( ) I001045-01 [I] - Phenol 1LG H2SO4 *[pH<2]*

Relinquished by: (print & sign) [X] ATL-Austin [ ] ATL - Bryan [ ] Sampler
Kristin Torres Kristin Torres
Date: 1-13-25 Time: 1615
[✓] Iced [✓] Custody Sealed [ ] Not Chilled

Carrier & Tracking Number: Fed Ex
Cooler 1: AQU1 7704 4834 3480

Received by: (print & sign) [✓] Received in Lab
McCabe Wheeler SPL, Inc. MCC
Date: 1-14-25 Time: 1015
[✓] Received Iced [ ] CTU [✓] Condition Good [ ] Not Rec'd Iced

Sample Info "X" all that apply

Line below documents condition at receipt in lab (shipped to) listed above.

Cooler Temperature (°C)	Temp. Read (TR)	Corrected Temp. (CT)	Thermometer ID
Cooler 1			
N/A	N/A	N/A	

Please email reports to: reporting@aqua-techlabs.com

Please return cooler(s) to: Austin Facility

Abbreviations: DW - Drinking Water; NP - Non-Potable Water; S - Solid; CTU - Custody Transfer Unbroken; StP - Sterile Plastic; LP - Liter Plastic; LG - Liter Glass

Aqua-Tech Comments and Special Instructions

Use sample ID as PO#

Need new 2010 MALs. Please J Flag metals < MRL & note all metals < MDL on reports.

Do not further sub-contract any analysis.
Keep in house or call for further instructions.

ORIGIN ID:AUSA (512) 301-9559
SUZANNE RUDD
AQUA- TECH LAB
3512 MONTOPOLIS DR.
SUITE A
AUSTIN, TX 78735
UNITED STATES US

SHIP DATE: 03DEC24
ACTWGT: 65.00 LB
CAD: 5912604/INET4760
DIMS: 25x14x14 IN

BILL SENDER

TO LOGIN - SAMPLES
ANA-LAB - SPL CORP
2600 DUDLEY RD

KILGORE TX 75662
(903) 984-0551
INV:
P.O: REF: MENO
DEPT:

58CJ4/EB78/05C4

FedEx. Express

2 of 20
MPS# 0263 7704 4834 3480

WED - 04 DEC 12:00P
PRIORITY OVERNIGHT

FedEx.
MPS# 0263 7704 4834 3480

TUE - 14 JAN AA
PRIORITY OVERNIGHT

XP GGGA

75662
TX-US
SHV

5338737 13J

Date 1/14/25 Time 1455 Tech MMV

Temp: 3.9 / 2.4 C

Therm#: 6205 Corr Fact: -0.6 C

Email information for report date:
2/4/25 17:20

I001045

Pflugerville, City of

Attn: Matt Johns
BrandonP@pflugervilletx.gov

P.O. Box 589
Pflugerville, TX 78071

Please contact us for your sampling needs or if you have any questions. Some convenient contacts are listed below. You can also access your results and reports through our ClientConnect ™ portal on our website (www.aqua-techlabs.com).

For sampling questions:

samplingbryan@aqua-techlabs.com (Bryan area)
samplingaustin@aqua-techlabs.com (Austin area)

reporting@aqua-techlabs.com (report questions)

Aqua-Tech values you as a customer and encourages you to speak with our staff at 979-778-3707 or the above emails if you have questions.

Thank you for your business,
June M. Brien
Executive Technical Director

BRYAN FACILITY
635 Phil Gramm Boulevard
Bryan, TX 77807
Phone: (979) 778-3707
Fax: (979) 778-3193

AQUA-TECH LABORATORIES

AUSTIN FACILITY
3512 Montopolis Dr. Suite A
Austin, TX 78744
Phone: (512) 301-9559
Fax: (512) 301-9552

The analyses summarized in this report were performed by Aqua-Tech Laboratories, Inc. unless otherwise noted. Aqua-Tech Laboratories, Inc. holds accreditation from the State of Texas in accordance with TNI and/or through the TCEQ Drinking Water Commercial Laboratory Approval Program.

The following abbreviations indicate certification status:

NEL	TNI accredited parameter.
ANR	Accreditation not offered by the State of Texas.
DWP	Approval through the TCEQ Drinking Water Commercial Laboratory Approval Program.
INF	Aqua-Tech Laboratories, Inc. is not accredited for this parameter. It is reported on an informational basis only.

Subcontracted data summarized in this report is indicated by "Sub" in the Lab column.

Certificate: TX-C24-00311

TCEQ Lab ID T104704371

General Definitions:

NR	Not Reported.
RPD	Relative Percent Difference.
% R	Percent Recovery.
dry	Results with the "dry" unit designation are reported on a "dry weight" basis.
SQL	The Sample Quantitation Limit is the value below which the parameter cannot reliably be detected. The SQL includes all sample preparations, dilutions and / or concentrations.
Adj MDL	The Adjusted Method Detection Limit is the MDL value adjusted for any sample dilutions or concentrations .
MDL	The Method Detection Limit is the lowest theoretical value that is statistically different from zero for a specific method, taking into account all preparation steps and instrument settings.

All samples are reported on an "as received" basis unless the designation "dry" is added to the reported unit.

Copies of Aqua-Tech Laboratories, Inc. procedures and individual sampling plans are available upon request. Note that samples are collected by Aqua-Tech Laboratories, Inc. personnel unless otherwise noted in the "Sample Collected" field of this report as "Client" or "CLT".

Samples included in this report were received in acceptable condition according to Aqua-Tech Laboratories, Inc. procedures and 40 CFR, Chapter I, Subchapter D, Part 136.3, TABLE II. - *Required containers, preservation techniques, and holding times*, unless otherwise noted in this report.

Record Retention:

All reports, raw data, and associated quality control data are kept on file for 10 years before being destroyed. Any client that would like copies of records must contact Aqua-Tech Laboratories, Inc. no later than six months prior to the scheduled disposal. An administrative fee for retrieval and distribution will apply.

This report was approved by:

June M. Brien, Technical Director

BRYAN FACILITY
635 Phil Gramm Boulevard
Bryan, TX 77807
Phone: (979) 778-3707
Fax: (979) 778-3193

AQUA-TECH LABORATORIES

AUSTIN FACILITY
3512 Montopolis Dr. Suite A
Austin, TX 78744
Phone: (512) 301-9559
Fax: (512) 301-9552

Analytical Report

Pflugerville, City of

Report Printed: **2/4/25** **17:20**

I001045

Pflugerville WWTP Effluent

Collected: 01/13/25 09:15 by Client
Received: 01/13/25 12:20 by Ana Garza

Type: Grab
Matrix: Non Potable
C-O-C #: I001045

Lab ID# I001045-01

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
General Chemistry											
Total Alkalinity as CaCO3 (pH4.5)	**223**	mg/L		5.00	5.00	5.00	*Austin*	01/16/25 07:20 MSA	SM2320 B 2011	M188068	DWP
Oil & Grease (HEM)	**<5.2**	mg/L		4.4	5.2	5.2	*Bryan*	01/21/25 09:55 HDH	EPA 1664B	M188276	NEL
Microbiological Analyses											
Fecal Coliform	**<1**	CFU/100 mL	F2, Micro-Log	1	1	1	*Austin*	01/13/25 16:19 AOG	SM9222 D 2015	M187939	NEL
E. Coli	**1.0**	MPN/100 mL		1.0	1.0	1.0	*Austin*	01/13/25 16:23 CZ	SM9223 B 2004	M187930	NEL

Results run by SM 9223B are reported as MPN (Most Probable Number). MPN is comparable to CFU (Colony Forming Units). Both MPN and CFU are allowed in most permits.

Acrolein-Acrylonitrile and Volatiles cancelled due to air bubbles in the sample containers. CLT will recollect samples.

Explanation of Notes

F2	Verified fecal coliform count/100mL.
Micro-Log	Log10 duplicate range is outside typical range.

Form: C:\ELMNT\FORMAT\ATL 090124 FIN_LS.RPT

BRYAN FACILITY
635 Phil Gramm Boulevard
Bryan, TX 77807
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AQUA-TECH LABORATORIES

AUSTIN FACILITY
3512 Montopolis Dr. Suite A
Austin, TX 78744
Phone: (512) 301-9559
Fax: (512) 301-9552

Analytical Report

Pflugerville, City of

Report Printed: **2/4/25** **17:20**

I001045

General Chemistry - Quality Control

	Result	Units	Notes	MDL	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	RPD	RPD Limit	Batch	
Oil & Grease (HEM) - EPA 1664B														*Bryan*
Blank	<5.0	mg/L		5.0	5.0	01/21/25 09:55 HDH							M188276	
LCS	34.6	mg/L		5.1	5.1	01/21/25 09:55 HDH	40.8		84.9	78 - 114			M188276	
LCS Dup	38.1	mg/L		5.0	5.0	01/21/25 09:55 HDH	40.6		93.8	78 - 114	10.0	200	M188276	
Matrix Spike	36.3	mg/L		5.6	5.6	01/21/25 09:55 HDH	44.8	<5.6	80.9	78 - 114			M188276	
Total Alkalinity as CaCO3 (pH4.5) - SM2320 B 2011														*Austin*
Initial Cal Check	6.88	mg/L				01/16/25 07:20 MSA	6.86		100	97 - 103			2501192	
Initial Cal Check	9.16	mg/L				01/16/25 07:20 MSA	9.18		99.8	97 - 103			2501192	
Low Cal Check	20.7	mg/L				01/16/25 07:20 MSA	18.8		110	70 - 130			2501192	
Duplicate	179	mg/L		5.00	5.00	01/16/25 07:20 MSA		177			1.29	5.52	M188068	
LCS	78.4	mg/L		5.00	5.00	01/16/25 07:20 MSA	75.4		104	95.5 - 105			M188068	
LCS Dup	78.9	mg/L		5.00	5.00	01/16/25 07:20 MSA	75.4		105	95.5 - 105	0.661	4.76	M188068	
MRL Check	20.7	mg/L		5.00	5.00	01/16/25 07:20 MSA	18.8		110	70 - 130			M188068	

Microbiological Analyses - Quality Control

	Result	Units	Notes	MDL	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	Log10 Comparison Range	Log10 Comparison Control Limit	Batch	
E. Coli - SM9223 B 2004														*Austin*
Blank	<1.0	MPN/100 mL		1.0	1.0	01/13/25 14:48 CZ							M187930	
Dup Log10 Range		MPN/100 mL		1.0	1.0	01/13/25 16:23 CZ					0.301		M187930	
Duplicate	<1.0	MPN/100 mL		1.0	1.0	01/13/25 16:23 CZ		1.0				0.5	M187930	
Fecal Coliform - SM9222 D 2015														*Austin*
Blank	<1	CFU/100 mL		1	1	01/13/25 16:19 AOG							M187939	
Blank	<1	CFU/100 mL		1	1	01/13/25 16:19 AOG							M187939	
Dup Log10 Range		CFU/100 mL		1	1	01/13/25 16:19 AOG					0.602		M187939	
Duplicate	3	CFU/100 mL	*F2, Micro-Log*	1	1	01/13/25 16:19 AOG		<1				0.5	M187939	

Sample Preparation Summary

Sample	Method	Prepared	Lab	Bottle	Initial	Units	Final	Units	External Dilution Factor	Batch
I001045-01										
E. Coli	SM9223 B 2004	1/13/25 16:05 CZ	Austin	B	100	N/A	100	N/A	1	M187930
Fecal Coliform	SM9222 D 2015	1/13/25 16:09 AOG	Austin	C	100	N/A	100	N/A	1	M187939
Oil & Grease (HEM)	EPA 1664B	1/21/25 9:55 HDH	Bryan	D	970	mL	1000	mL	1	M188276
Total Alkalinity as CaCO3 (pH4.5)	SM2320 B 2011	1/16/25 7:20 MSA	Austin	A	50.0	mL	50.0	mL	1	M188068

Form: C:\ELMNT\FORMAT\ATL 090124 FIN_LS.RPT

Chain-of-Custody and Analysis Request

AQUA-TECH LABORATORIES, INC.

Client / Project Name: Pflugerville, City of — Pflugerville WWTP Permit Renewal Grab

Contact Information
Name: Matt Johns
Address: P.O. Box 589
City: Pflugerville
State: TX Zip: 78071
Phone: (512) 990-6400
email:

Definitions
DW Drinking Water
NP Non-Potable Water
S Solid
CM Custody Maintained
CTU Custody Transfer Unbroken
CT Corrected Temperature

Reagent tracking is available upon request.

TCEQ LAB ID: T104704371

Aqua-Tech laboratories, Inc.

Austin: 3512 Montopolis Dr. Austin, TX 78744 512.301.9559
Bryan: 635 Phil Gramm Blvd. Bryan, TX 77807 979.778.3707

Test results meet all accreditation/certification requirements unless stated otherwise.

C-O-C # **I001045**
Page 1 of 1
rte_ATL COC 012723.rpt

Analyses Requested: "A" prefix indicates Austin, all others Bryan or Subcontracted, indicated by [SUB]
Name format: Analysis-Matrix-Technology-Method.

[NEL] = NELAP accredited parameter
[SUB] = NELAP accredited subcontracted parameter
[CNR] = No NELAP accreditation required or available
[INF] = Informational only (not NELAC certified)

By relinquishing the samples listed below to Aqua-Tech laboratories, Inc. (ATL), the client agrees to the following terms. Samples will be analyzed by a method that is within ATL's NELAP fields of accreditation (FoA). Analytes requiring an accredited method that is not within ATL's FoA will be subcontracted to a NELAP lab that is accredited for that method. Clients will be notified of the subcontract lab's details. Other analytes not requiring accreditation will be analyzed by a compendial method. If a specific method is required, the client will note the method in the "Analysis Requested" column. The client approves all method modifications documented by ATL or the subcontract lab.

A current list of ATL's NELAC fields of accreditation and other methods are available on request.

Comments:

- LAB RECEIPT - AQU7

Temperature - CT (C):	1.5
Preservation Correct:	Yes
Post-Preservatives:	N/A
Thermometer ID:	0811654
pH Paper ID:	0820913

ko_A COC MULTI 043020.rpt

Sample Custody

Relinquished (print & sign)	Matt Scruggs PM	☐ Sampler ☐ Client ☐ ATL Field	Date 1-13-25 Time 0930 ☐ Iced / Refrig ☐ Custody Sealed
Received (print & sign)	Ana Garza	☐ Client ☒ ATL Field	Date 1/13/25 Time 1149 ☒ Iced / Refrig ☐ CM / CTU
Relinquished (print & sign)		☐ Client ☐ ATL Field	Date Time ☐ Iced / Refrig ☐ CM / CTU
Received (print & sign)		☐ Client ☐ ATL Field	Date Time ☐ Iced / Refrig ☐ CM / CTU
Relinquished (print & sign)	Ana Garza	☐ Client ☒ ATL Field	Date 01/13/25 Time 12:20 ☒ Iced / Refrig ☒ CM / CTU / Sealed
Received (print & sign)	Ana Garza	X Lab	Date 01/13/25 Time 12:20 X Cond Good X Iced / Refrig X CM / CTU

Field Sample ID	Start Date	Start Time	End Date	End Time	Composite Type	Sample Matrix	Container (Checked box indicates bottle arrived in lab) (Volume Type - Preservative)	Lab ID
Pflugerville WWTP Effluent	1-13-25	0915	- N/A -	- N/A	Grab	NP	☑ A ALK 0.25LP ☑ B Ecoli 0.15L StP Na2S2O3 ☑ C Fecal 0.15L StP Na2S2O3 ☑ D OG - 1LG Amber HCl ☑ E OG - 1LG Amber HCl ☑ F OG pH Chk - 1LP HCl pH<2 ☑ G [SUB] ANA CN 0.25LP NaOH pH>10 ☑ H [SUB] ANA CN 0.25LP NaOH pH>10 ☑ I Phenol 1LG H2SO4 pH<2 ☑ J Acrolein Acrylonitrile 40mL VOA ☑ K Acrolein Acrylonitrile 40mL VOA ☑ L Acrolein Acrylonitrile 40mL VOA ☑ M Acrolein Acrylonitrile 40mL VOA ☑ N Volatiles 40mL VOA Na2S2O3 ☑ O Volatiles 40mL VOA Na2S2O3 ☑ P Volatiles 40mL VOA Na2S2O3 ☑ Q Volatiles 40mL VOA Na2S2O3	I001045-01

A Alkalinity NP Probe SM 2320 B [NEL]
AcroleinAcrylo. (10054-55) NP GCMS EPA624.1 [SUB]
CN NP SM4500 CN E [SUB]
Vol 10054 NP GC-MS EPA 624.1 [SUB]
A E.Coli MPN SM9223 B [NEL]
CN Amenable (PKG) NP SM4500 CN E G [SUB]
O&G Grav EPA 1664B [NEL]
Y Billing Ship to Sub-Contract Lab
A Fecal NP SM 9222 D [NEL]
CN Amenable NP SM4500 CN G [SUB]
Phenol DW NP FIA-RFA EPA 420.4 [SUB]

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

Project
1132180

AQU1-G

AquaTech Laboratories
John Brien
635 Phil Gramm Blvd.
Bryan, TX 77807-9104

Printed 01/20/2025
13:43

TABLE OF CONTENTS

I001045

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

Email: Kilgore.ProjectManagement@spllabs.com

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

SAMPLE CROSS REFERENCE

Project
1132180

AquaTech Laboratories
John Brien
635 Phil Gramm Blvd.
Bryan, TX 77807-9104

Sample	Sample ID	Taken	Time	Received
2372171	*I001045-01*	01/13/2025	09:15:00	01/14/2025

Bottle 01 Client supplied H2SO4 Amber Glass
Bottle 02 Client supplied NaOH
Bottle 03 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1156163) Volume: 10.00000 mL <== Derived from 02 (5 ml)
Bottle 04 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1156168) Volume: 10.00000 mL <== Derived from 02 (5 ml)
Bottle 05 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1156565) Volume: 6.00000 mL <== Derived from 01 (6 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-CN⁻ G-2016			01/20/2025		01/20/2025
SM 4500-CN⁻ G-2016	03	1156163	01/15/2025	1156814	01/19/2025
SM 4500-CN⁻ E-2016	04	1156168	01/15/2025	1156815	01/19/2025
EPA 420.4 1	05	1156565	01/17/2025	1156917	01/20/2025

Email: Kilgore.ProjectManagement@spllabs.com

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

SPL The Science of Sure

AQU1-G

Project 1132180

AquaTech Laboratories
John Brien
635 Phil Gramm Blvd.
Bryan, TX 77807-9104

Printed: 01/20/2025

I001045

RESULTS

Sample Results

2372171 **I001045-01** Received: 01/14/2025

Non-Potable Water | Collected by: Client | AquaTech Laboratorie | PO: I001045
Taken: 01/13/2025 09:15:00

EPA 420.4 1 Prepared: 1156565 01/17/2025 08:21:51 Analyzed 1156917 01/20/2025 07:38:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Phenolics, Total Recoverable**	**0.025**	**mg/L**	0.005			05

SM 4500-CN⁻ E-2016 Prepared: 1156168 01/15/2025 11:09:27 Analyzed 1156815 01/19/2025 10:46:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Cyanide, total**	**<0.00238**	**mg/L**	0.00238			04

SM 4500-CN⁻ G-2016 Prepared: 01/20/2025 08:37:24 Calculated 01/20/2025 08:37:24 CAL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Cyanide - Available/Amenable**	**<0.005**	**mg/L**	0.005			

SM 4500-CN⁻ G-2016 Prepared: 1156163 01/15/2025 11:02:18 Analyzed 1156814 01/19/2025 10:46:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Cyanide After Chlorination**	**0.0048**	**mg/L**	0.005	J		03

Sample Preparation

2372171 **I001045-01** Received: 01/14/2025

I001045

01/13/2025

EPA 420.4 1 Prepared: 1156565 01/17/2025 08:21:51 Analyzed 1156565 01/17/2025 08:21:51 MEG

NELAC	**Phenol Distillation**	**6/6**	**ml**				01

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SPL The Science of Sure

AQU1-G

Project 1132180

AquaTech Laboratories
John Brien
635 Phil Gramm Blvd.
Bryan, TX 77807-9104

Printed: 01/20/2025

2372171 I001045-01 Received: 01/14/2025

I001045

01/13/2025

	SM 4500-CN⁻C-2016	*Prepared:*	*1156163*	*01/15/2025*	*11:02:18*	*Analyzed*	*1156163*	*01/15/2025*	*11:02:18*	*MEG*
NELAC	**CN Dist After Chlorination**	**10/5**		**ml**						02
	SM 4500-CN⁻C-2016	*Prepared:*	*1156168*	*01/15/2025*	*11:09:27*	*Analyzed*	*1156168*	*01/15/2025*	*11:09:27*	*MEG*
NELAC	**Cyanide Distillation**	**10/5**		**ml**						02

Qualifiers:

J - Analyte detected below quantitation limit

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

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

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

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

Bill Peery

Bill Peery, MS, VP Technical Services

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

RESULTS

Project
1132180

AQU1

Printed 01/20/2025

I001045

AquaTech Laboratories
John Brien
635 Phil Gramm Blvd.
Bryan, TX 77807-9104

CAS	Parameter	Results	MDL	SDL	MQL	MQLAdj	Flag	Units	Target	Bottle	Dilute
Non-Potable Water	**Administrative**								**SM 4500-CN⁻ G-2016**		
2372171	**I001045-01**										
		Collection:	01/13/2025		09:15:00	Client			*Received:*	01/14/2025	
	Prepared:			*Analyzed:*				1/20/25	08:37:24		
	Cyanide - Available/Amenable	**ND**	0.00119	0.00238	0.0025	0.005		**mg/L**	0.010		1.00

MDL is Method Detection Limit (40 CFR 136 Appendix B)
SDL is Sample Detection Limit and is the adjusted MDL (sample specific dilutions, dry weight)
MQL is the Method Quantitation Limit and corresponds to a low standard
MQLADJ is the Adjusted Method Quantitation Limit (dilutions, dry weight)

Qualifiers:

J - Analyte detected below quantitation limit

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

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RESULTS

Project
1132180

Printed 01/20/2025

I001045

AQU1

AquaTech Laboratories
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Bryan, TX 77807-9104

Bill Peery, MS, VP Technical Services

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RESULTS

Project
1132180

AQU1

Printed 01/20/2025

I001045

AquaTech Laboratories
John Brien
635 Phil Gramm Blvd.
Bryan, TX 77807-9104

CAS	Parameter	Results	MDL	SDL	MQL	MQLAdj	Flag	Units	Target	Bottle	Dilute
Non-Potable Water	**Distillations**									**EPA 420.4 1**	
2372171	I001045-01										
	Collection: 01/13/2025 09:15:00 Client								*Received:* 01/14/2025		
	Prepared: 1156565			*Analyzed:*	1156917			1/20/25	07:38:00		
	Phenolics, Total Recoverable	**0.025**	0.003	0.003	0.005	0.005		**mg/L**	0.005	05	1.00
Non-Potable Water	**Distillations**									**SM 4500-CN⁻ E-2016**	
2372171	I001045-01										
	Collection: 01/13/2025 09:15:00 Client								*Received:* 01/14/2025		
	Prepared: 1156168			*Analyzed:*	1156815			1/19/25	10:46:00		
	Cyanide, total	**ND**	0.00238	0.00238	0.005	0.005		**mg/L**	0.010	04	1.00
Non-Potable Water	**Distillations**									**SM 4500-CN⁻ G-2016**	
2372171	I001045-01										
	Collection: 01/13/2025 09:15:00 Client								*Received:* 01/14/2025		
	Prepared: 1156163			*Analyzed:*	1156814			1/19/25	10:46:00		
	Cyanide After Chlorination	**0.0048**	0.00119	0.00238	0.0025	0.005	J	**mg/L**		03	2.00

MDL is Method Detection Limit (40 CFR 136 Appendix B)

SDL is Sample Detection Limit and is the adjusted MDL (sample specific dilutions, dry weight)

Email: Kilgore.ProjectManagement@spllabs.com

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

SPL The Science of Sure

RESULTS

Project
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Printed 01/20/2025

I001045

AQU1

AquaTech Laboratories
John Brien
635 Phil Gramm Blvd.
Bryan, TX 77807-9104

MQL is the Method Quantitation Limit and corresponds to a low standard

MQLADJ is the Adjusted Method Quantitation Limit (dilutions, dry weight)

Qualifiers:

J - Analyte detected below quantitation limit

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.

Bill Peery

Bill Peery, MS, VP Technical Services

Email: Kilgore.ProjectManagement@spllabs.com

QUALITY CONTROL

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John Brien
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Bryan, TX 77807-9104

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Analytical Set 1156814 — SM 4500-CN⁻ G-2016

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Cyanide After Chlorination	1156163	ND	0.00119	0.0025	mg/L	127227284

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide After Chlorination	0.502	0.500	mg/L	100	90.0 - 110	127227253
Cyanide After Chlorination	0.503	0.500	mg/L	101	90.0 - 110	127227254
Cyanide After Chlorination	0.507	0.500	mg/L	101	90.0 - 110	127227259
Cyanide After Chlorination	0.508	0.500	mg/L	102	90.0 - 110	127227270
Cyanide After Chlorination	0.509	0.500	mg/L	102	90.0 - 110	127227281
Cyanide After Chlorination	0.509	0.500	mg/L	102	90.0 - 110	127227285
Cyanide After Chlorination	0.513	0.500	mg/L	103	90.0 - 110	127227296
Cyanide After Chlorination	0.512	0.500	mg/L	102	90.0 - 110	127227306
Cyanide After Chlorination	0.512	0.500	mg/L	102	90.0 - 110	127227307
Cyanide After Chlorination	0.510	0.500	mg/L	102	90.0 - 110	127227308
Cyanide After Chlorination	0.509	0.500	mg/L	102	90.0 - 110	127227309

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD		Limit%
Cyanide After Chlorination	2371934	0.0058	0.013	mg/L	76.6	*	20.0
Cyanide After Chlorination	2371945	0.399	0.0018	mg/L	198	*	20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide After Chlorination	0.205	0.200	mg/L	102	90.0 - 110	127227252

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Cyanide After Chlorination	1156163	0.202	0.195	0.200	90.0 - 110	101	97.5	mg/L	3.53	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File		
Cyanide After Chlorination	2371934	0.409	0.013	0.400	mg/L	99.0	90.0 - 110	127227290		
Cyanide After Chlorination	2371945	0.0052	0.0018	0.400	mg/L	1.30	90.0 - 110	127227293	*	

Analytical Set 1156815 — SM 4500-CN⁻ E-2016

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Cyanide, total	1156168	ND	0.00238	0.005	mg/L	127227325

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide, total	0.502	0.500	mg/L	100	90.0 - 110	127227311
Cyanide, total	0.503	0.500	mg/L	101	90.0 - 110	127227312
Cyanide, total	0.507	0.500	mg/L	101	90.0 - 110	127227313
Cyanide, total	0.508	0.500	mg/L	102	90.0 - 110	127227314

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CCV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Cyanide, total	0.509	0.500	mg/L	102	90.0 - 110	127227315
Cyanide, total	0.509	0.500	mg/L	102	90.0 - 110	127227323
Cyanide, total	0.513	0.500	mg/L	103	90.0 - 110	127227324
Cyanide, total	0.512	0.500	mg/L	102	90.0 - 110	127227326
Cyanide, total	0.512	0.500	mg/L	102	90.0 - 110	127227337
Cyanide, total	0.510	0.500	mg/L	102	90.0 - 110	127227348
Cyanide, total	0.509	0.500	mg/L	102	90.0 - 110	127227355

Duplicate

Parameter	*Sample*	*Result*	*Unknown*	*Unit*	*RPD*		*Limit%*
Cyanide, total	2371913	ND	ND	mg/L			20.0
Cyanide, total	2371934	ND	0.0042	mg/L	200	*	20.0

ICV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Cyanide, total	0.205	0.200	mg/L	102	90.0 - 110	127227310

LCS Dup

Parameter	*PrepSet*	*LCS*	*LCSD*	*Known*	*Limits%*	*LCS%*	*LCSD%*	*Units*	*RPD*	*Limit%*
Cyanide, total	1156168	0.418	0.400	0.400	90.0 - 110	104	100	mg/L	4.40	20.0

Mat. Spike

Parameter	*Sample*	*Spike*	*Unknown*	*Known*	*Units*	*Recovery %*	*Limits %*	*File*
Cyanide, total	2371913	0.383	ND	0.400	mg/L	95.8	90.0 - 110	127227331
Cyanide, total	2371934	0.397	0.0042	0.400	mg/L	99.2	90.0 - 110	127227334

Analytical Set 1156917 — EPA 420.4 1

Blank

Parameter	*PrepSet*	*Reading*	*MDL*	*MQL*	*Units*	*File*
Phenolics, Total Recoverable	1156565	ND	0.003	0.005	mg/L	127231303

CCV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Phenolics, Total Recoverable	0.202	0.200	mg/L	101	90.0 - 110	127231279
Phenolics, Total Recoverable	0.189	0.200	mg/L	94.5	90.0 - 110	127231288
Phenolics, Total Recoverable	0.190	0.200	mg/L	95.0	90.0 - 110	127231299
Phenolics, Total Recoverable	0.190	0.200	mg/L	95.0	90.0 - 110	127231310
Phenolics, Total Recoverable	0.192	0.200	mg/L	96.0	90.0 - 110	127231321
Phenolics, Total Recoverable	0.194	0.200	mg/L	97.0	90.0 - 110	127231332
Phenolics, Total Recoverable	0.195	0.200	mg/L	97.5	90.0 - 110	127231343
Phenolics, Total Recoverable	0.196	0.200	mg/L	98.0	90.0 - 110	127231354
Phenolics, Total Recoverable	0.194	0.200	mg/L	97.0	90.0 - 110	127231360

Duplicate

Parameter	*Sample*	*Result*	*Unknown*	*Unit*	*RPD*	*Limit%*
Phenolics, Total Recoverable	2371795	0.051	0.052	mg/L	1.94	20.0
Phenolics, Total Recoverable	2371799	0.023	0.025	mg/L	8.33	20.0

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ICV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Phenolics, Total Recoverable	0.205	0.200	mg/L	102	90.0 - 110	127231278

LCS Dup

Parameter	*PrepSet*	*LCS*	*LCSD*	*Known*	*Limits%*	*LCS%*	*LCSD%*	*Units*	*RPD*	*Limit%*
Phenolics, Total Recoverable	1156565	0.188	0.186	0.200	90.0 - 110	94.0	93.0	mg/L	1.07	20.0

Mat. Spike

Parameter	*Sample*	*Spike*	*Unknown*	*Known*	*Units*	*Recovery %*	*Limits %*	*File*	
Phenolics, Total Recoverable	2371795	0.209	0.052	0.200	mg/L	78.5	90.0 - 110	127231308	*
Phenolics, Total Recoverable	2371799	0.124	0.025	0.200	mg/L	49.5	90.0 - 110	127231312	*

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

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); CCV - Continuing Calibration Verification (same standard used to prepare the curve; typically a mid-range concentration; verifies the continued validity of the calibration curve); 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.)

1132180 CoC Print Group 001 of 001

AQUA-TECH LABORATORIES, INC.

ATL - Bryan Facility:
635 Phil Gramm Blvd.
Bryan, TX 77807
(979) 778-3707
Fax (979) 778-3193

ATL - Austin Facility:
3512 Montopolis Drive
Austin, TX 78744
(512) 301-9559
Fax (512) 301-9552

Chain-of-Custody & Analysis Request

SHIPPED TO:
SPL-Kilgore (T104704201)
2600 Dudley Road
Kilgore, TX 75662
Phone: (903) 984-0551
Fax: (903) 984-5914

C-O-C #
86 - I001045

T104704371

Page 1 of 1

All analyses must be performed by a TNI approved method certified by the TCEQ. Contact ATL's sample custodian via voice and email if your methods do not meet this criteria.

Analysis Request for: **Sample ID: I001045-01** Sampled: 01/13/25 09:15 Matrix: Non Potable **Laboratory ID >>** 2372171

Phenol - EPA 420.4 R1 | CN NP - SM4500 CN E 2011 | CN Amenable NP - SM4500 CN G 2011

CONTAINERS SUPPLIED: (ATL indicates cooler number in parentheses for each container - only required if more than one cooler listed below.)

( ) I001045-01 [G] - [SUB] ANA CN 0.25LP NaOH *[pH>10]*

( ) I001045-01 [I] - Phenol 1LG H2SO4 *[pH<2]*

Relinquished by: (print & sign) [X] ATL-Austin [ ] ATL - Bryan [ ] Sampler
Kristin Torres Kristin Torres
Date: 1-13-25 Time: 1615
[✓] Iced [✓] Custody Sealed [ ] Not Chilled

Carrier & Tracking Number: Fed Ex
Cooler 1: AQU1 7704 4834 3480

Received by: (print & sign) [✓] Received in Lab
McCabe Wheeler SPL, Inc. MCC
Date: 1-14-25 Time: 1015
[✓] Received Iced [ ] CTU [✓] Condition Good [ ] Not Rec'd Iced

Sample Info "X" all that apply

Line below documents condition at receipt in lab (shipped to) listed above.

Cooler Temperature (°C)	Temp. Read (TR)	Corrected Temp. (CT)	Thermometer ID
Cooler 1			
N/A	N/A	N/A	

Please email reports to: reporting@aqua-techlabs.com

Please return cooler(s) to: Austin Facility

Abbreviations: DW - Drinking Water; NP - Non-Potable Water; S - Solid; CTU - Custody Transfer Unbroken; StP - Sterile Plastic; LP - Liter Plastic; LG - Liter Glass

Aqua-Tech Comments and Special Instructions

Use sample ID as PO#

Need new 2010 MALs. Please J Flag metals < MRL & note all metals < MDL on reports.

Do not further sub-contract any analysis.
Keep in house or call for further instructions.

ORIGIN ID:AUSA (512) 301-9559
SUZANNE RUDD
AQUA- TECH LAB
3512 MONTOPOLIS DR.
SUITE A
AUSTIN, TX 78735
UNITED STATES US

SHIP DATE: 03DEC24
ACTWGT: 65.00 LB
CAD: 5912604/INET4760
DIMS: 25x14x14 IN

BILL SENDER

TO LOGIN - SAMPLES
ANA-LAB - SPL CORP
2600 DUDLEY RD

KILGORE TX 75662
(903) 984-0551
INV:
P.O: REF: MENO
DEPT:

58CJ4/EB78/05C4

FedEx. Express

2 of 20
MPS# 0263 7704 4834 3480

WED - 04 DEC 12:00P
PRIORITY OVERNIGHT

FedEx.
MPS# 0263 7704 4834 3480

TUE - 14 JAN AA
PRIORITY OVERNIGHT

XP GGGA

75662
TX-US
SHV

5338737 13J

Date 1/14/25 Time 1455 Tech MMV

Temp: 3.9 / 2.4 C

Therm#: 6205 Corr Fact: -0.6 C

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.

The City of Pflugerville (CN600412985) operates the Upper Gilleland (Central) Wastewater Treatment Plant (RN101611440), a wastewater treatment plant. The facility is located at 15500 Sun Light Near Way, in Pflugerville, Travis County, Texas 78660. This application is for a renewal to discharge treated domestic wastewater at an annual average flow of 8.5 million gallons per day .

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD5), total suspended solids (TSS), ammonia nitrogen (NH3-N), and Escherichia coli. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent and Domestic Worksheet 4.0 in the permit application package. Domestic wastewater is treated by the following treatment units: coarse screens, fine screen, gravity grit remover, anoxic/anaerobic basins for carrousel basins, carrousel aeration basins, biological nutrient removal carrousel basins, existing

secondary clarifiers, secondary clarifier, cloth media filters, UV disinfection, sludge holding tank, disc thickener, thickened sludge holding tank, and solids handling.

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

AGUAS RESIDUALES DOMÉSTICAS **/AGUAS PLUVIALES**

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

La Ciudad de Pflugerville (CN600412985) opera the Upper Gilleland (Central) Wastewater Treatment Plant (RN101611440), una planta de tratamiento de aguas residuales. La instalación está ubicada en 15500 Sun Light Near Way, en Pflugerville, Condado de Travis, Texas 78660. Esta solicitud es para una renovación para descargar aguas residuales domésticas tratadas a un flujo promedio anual de 8.5 millones de galones por día.

Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno carbonoso (CBOD5) de cinco días, sólidos suspendidos totales (SST), nitrógeno amoniacal (NH3-N) y Escherichia coli. Se incluyen contaminantes potenciales adicionales en el Informe Técnico Nacional 1.0, Sección 7. Análisis de Contaminantes del Efluente Tratado y Hoja de Trabajo Doméstico 4.0 en el paquete de solicitud de permiso. Las aguas residuales domésticas son tratadas mediante las siguientes unidades de tratamiento: cribas gruesas, cribas finas, removedor de arena por gravedad, cuencas anóxicas/anaeróbicas para cuencas de carrusel, cuencas de aireación de carrusel, cuencas de carrusel de eliminación biológica de nutrientes, clarificadores secundarios existentes, clarificador secundario, filtros de medios de tela, desinfección UV, tanque de retención de lodos, espesador de disco, tanque de retención de lodos espesados y manejo de sólidos

INSTRUCTIONS

1. Enter the name of applicant in this section. The applicant name should match the name associated with the customer number.
2. Enter the Customer Number in this section. Each Individual or Organization is issued a unique 11-digit identification number called a CN (e.g. CN123456789).
3. Choose “operates” in this section for existing facility applications or choose “proposes to operate” for new facility applications.
4. Enter the name of the facility in this section. The facility name should match the name associated with the regulated entity number.
5. Enter the Regulated Entity number in this section. Each site location is issued a unique 11-digit identification number called an RN (e.g. RN123456789).
6. Choose the appropriate article (a or an) to complete the sentence.
7. Enter a description of the facility in this section. For example: steam electric generating facility, nitrogenous fertilizer manufacturing facility, etc.
8. Choose “is” for an existing facility or “will be” for a new facility.
9. Enter the location of the facility in this section.
10. Enter the City nearest the facility in this section.
11. Enter the County nearest the facility in this section.
12. Enter the zip code for the facility address in this section.
13. Enter a summary of the application request in this section. For example: renewal to discharge 25,000 gallons per day of treated domestic wastewater, new application to discharge process wastewater and stormwater on an intermittent and flow-variable basis, or major amendment to reduce monitoring frequency for pH, etc. If more than one outfall is included in the application, provide applicable information for each individual outfall.
14. List all pollutants expected in the discharge from this facility in this section. If applicable, refer to the pollutants from any federal numeric effluent limitations that apply to your facility.
15. Enter the discharge types from your facility in this section (e.g., stormwater, process wastewater, once through cooling water, etc.)
16. Choose the appropriate verb tense to complete the sentence.
17. Enter a description of the wastewater treatment used at your facility. Include a description of each process, starting with initial treatment and finishing with the outfall/point of disposal. Use additional lines for individual discharge types if necessary.

Questions or comments concerning this form may be directed to the Water Quality Division’s Application Review and Processing Team by email at WQ-ARPTeam@tceq.texas.gov or by phone at (512) 239-4671.

Example 1: Industrial Wastewater TPDES Application (ENGLISH)

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

ABC Corporation (CN600000000) operates the Starr Power Station (RN10000000000), a two-unit gas-fired electric generating facility. Unit 1 has a generating capacity of 393 megawatts (MWs) and Unit 2 has a generating capacity of 528 MWs. The facility is located at 1356 Starr Street, near the City of Austin, Travis County, Texas 78753.

This application is for a renewal to discharge 870,000,000 gallons per day of once through cooling water, auxiliary cooling water, and also authorizes the following waste streams monitored inside the facility (internal outfalls) before it is mixed with the other wastewaters authorized for discharge via main Outfall 001, referred to as "previously monitored effluents" (low-volume wastewater, metal-cleaning waste, and stormwater (from diked oil storage area yards and storm drains)) via Outfall 001. Low-volume waste sources, metal-cleaning waste, and stormwater drains on a continuous and flow-variable basis via internal Outfall 101.

The discharge of once through cooling water via Outfall 001 and low-volume waste and metal-cleaning waste via Outfall 101 from this facility is subject to federal effluent limitation guidelines at 40 CFR Part 423. The pollutants expected from these discharges based on 40 CFR Part 423 are: free available chlorine, total residual chlorine, total suspended solids, oil and grease, total iron, total copper, and pH. Temperature is also expected from these discharges. Additional potential pollutants are included in the Industrial Wastewater Application Technical Report, Worksheet 2.0.

Cooling water and boiler make-up water are supplied by Lake Starr Reservoir. The City of Austin municipal water plant (CN600000000, PWS 00000) supplies the facility's potable water and serves as an alternate source of boiler make-up water. Water from the Lake Starr Reservoir is withdrawn at the intake structure and treated with sodium hypochlorite to prevent biofouling and sodium bromide as a chlorine enhancer to improve efficacy and then passed through condensers and auxiliary equipment on a once-through basis to cool equipment and condense exhaust steam.

Low-volume wastewater from blowdown of boiler Units 1 and 2 and metal-cleaning wastes receive no treatment prior to discharge via Outfall 101. Plant floor and equipment drains and stormwater runoff from diked oil storage areas, yards, and storm drains are routed through an oil and water separator prior to discharge via Outfall 101. Domestic wastewater, blowdown, and backwash water from the service water filter, clarifier, and sand filter are routed to the Starr Creek Domestic Sewage Treatment Plant, TPDES Permit No. WQ0010000001, for treatment and disposal. Metal-cleaning waste from equipment cleaning is generally disposed of off-site.

Example 2: Domestic Wastewater TPDES Renewal application

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

The City of Texas (CN000000000) operates the City of Texas wastewater treatment plant (RN000000000), an activated sludge process plant operated in the complete mix mode. The facility is located at 123 Texas Street, near the City of More Texas, Texas County, Texas 71234.

This application is for a renewal to discharge at an annual average flow of 1,200,000 gallons per day of treated domestic wastewater via Outfalls 001 and 002.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand ($CBOD_5$), total suspended solids (TSS), ammonia nitrogen (NH_3-N), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent and Domestic Worksheet 4.0 in the permit application package. Domestic wastewater is treated by an activated sludge process plant and the treatment units include a bar screen, a grit chamber, aeration basins, final clarifiers, sludge digesters, a belt filter press, chlorine contact chambers and a dechlorination chamber.

Example 3: Domestic Wastewater TPDES New Application

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

The City of Texas (CN000000000) proposes to operate the City of Texas wastewater treatment plant (RN000000000), an activated sludge process plant operated in the extended aeration mode. The facility will be located at 123 Texas Street, in the City of More Texas, Texas County, Texas 71234.

This application is for a new application to discharge at a daily average flow of 200,000 gallons per day of treated domestic wastewater.

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

Example 4: Domestic Wastewater TLAP Renewal application

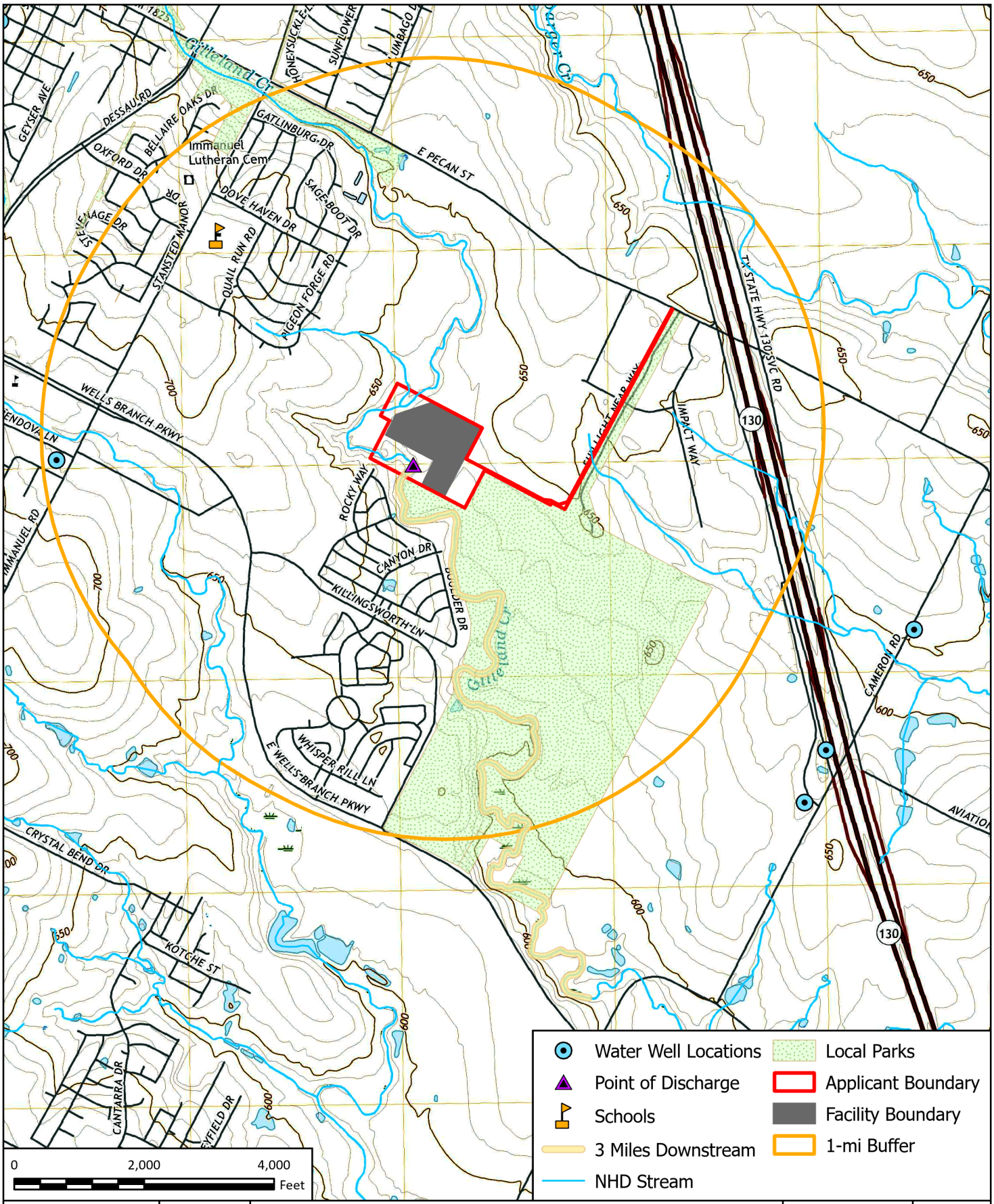
The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 Texas Administrative Code Chapter 39. The information provided in this summary may change during the technical review of the application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

of the permit application.

The City of Texas (CN000000000) operates the City of Texas wastewater treatment plant (RN000000000), an activated sludge process plant operated in the complete mix mode. The facility is located at 123 Texas Street, near the City of More Texas, Texas County, Texas 71234.

This application is for a renewal to dispose a daily average flow not to exceed 76,500 gallons per day of treated domestic wastewater via public access subsurface drip irrigation system with a minimum area of 32 acres. This permit will not authorize a discharge of pollutants into water in the state.

Land application of domestic wastewater from the facility are expected to contain five-day biochemical oxygen demand (BOD_5), total suspended solids (TSS), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent in the permit application package. Domestic wastewater is treated by an activated sludge process plant and the treatment units include a bar screen, an equalization basin, an aeration basin, a final clarifier, an aerobic sludge digester, tertiary filters, and a chlorine contact chamber. In addition, the facility includes a temporary storage that equals to at least three days of the daily average flow.



FREESE AND NICHOLS, INC
801 Cherry Street, Suite 2800
Fort Worth, TX 76102
Phone - (817) 735 - 7300

CITY OF PFLUGERVILLE

TPDES Permit Renewal

USGS Topographic Map

Quad Name: Pflugerville East

FN JOB NO	PFL24731
LAYOUT NAME	Fig1_Topo
DATE	4/28/2025
DESIGNED	MK
DRAFTED	AO

1

FIGURE

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NAD 1983 StatePlane Texas Central FIPS 4203 Feet

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

TCEQ USE ONLY:

Application type: ____Renewal ____Major Amendment ____Minor Amendment ____New

County: _____ Segment Number: _____

Admin Complete Date: _____

Agency Receiving SPIF:

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

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

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

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

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

The following applies to all applications:

1. Permittee: City of Pflugerville

   Permit No. WQ00 11845002 EPA ID No. TX 0094927

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

   15500 Sun Light Near Way; approximately 2,000 feet southwest of the intersection of East Pecan Street and State Highway 130/State Highway 45.

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: Brandon Pritchett

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

Title: Public Utility Director

Mailing Address: P.O. Box 589

City, State, Zip Code: Pflugerville, TX 78691

Phone No.: 512-990-6402 Ext.: N/A Fax No.: N/A

E-mail Address: brandonp@pflugervilletx.gov

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

N/A

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

To Gilleland Creek, thence to Colorado River Below Lady Bird Lake (formerly Town Lake) in Segment No. 1428 of the Colorado River Basin

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

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

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

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

☐ Disturbance of vegetation or wetlands

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

N/A - Renewal

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

Land consists of wastewater treatment plant and City Public Works facility, including City fleet maintenance, with native trees and grasses along the western boundary and Gilleland Creek.

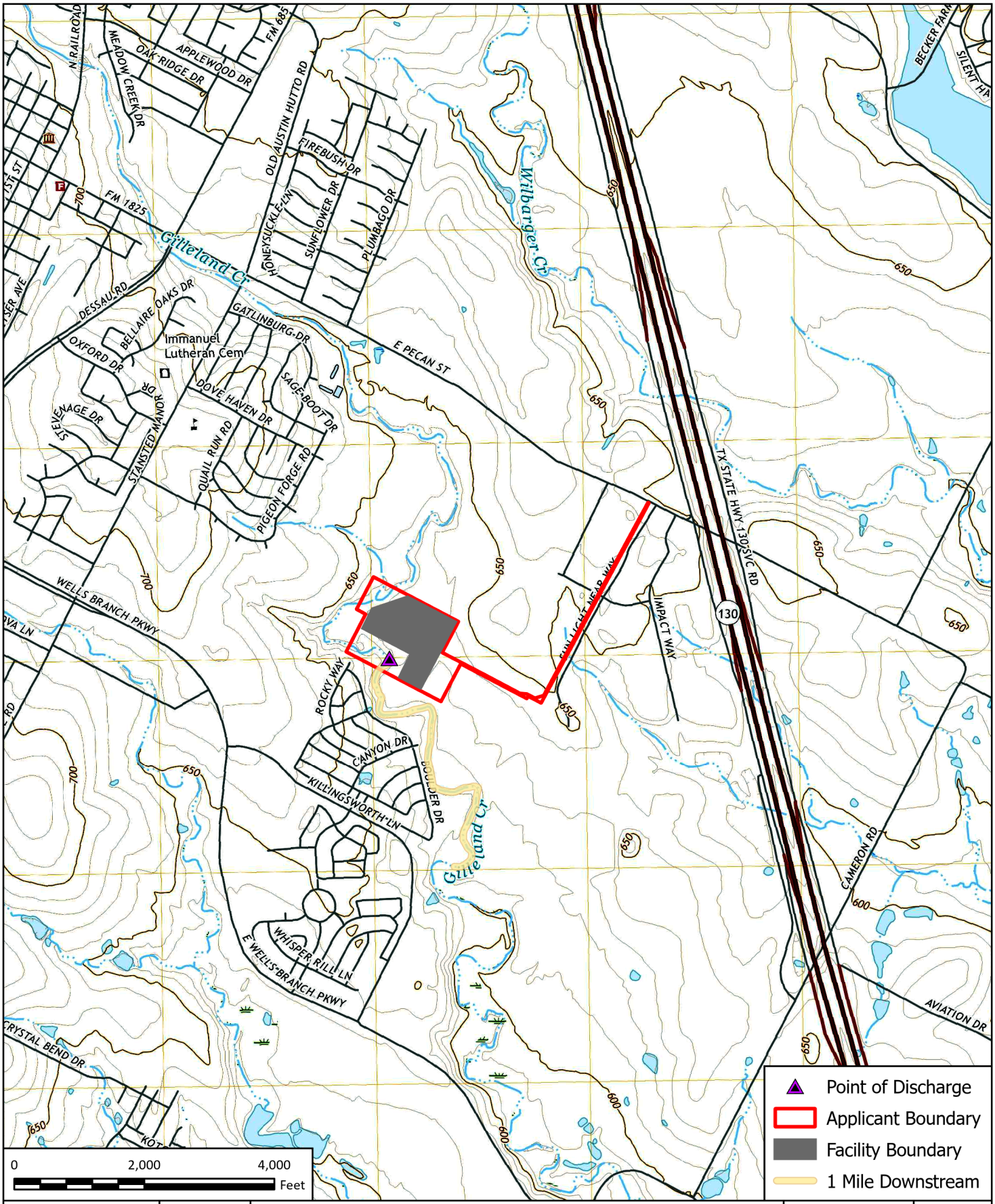
THE FOLLOWING ITEMS APPLY ONLY TO APPLICATIONS FOR NEW TPDES PERMITS AND MAJOR AMENDMENTS TO TPDES PERMITS

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



CITY OF PFLUGERVILLE

TPDES Permit Renewal

SPIF USGS Topographic Map

FREESE AND NICHOLS, INC
801 Cherry Street, Suite 2800
Fort Worth, TX 76102
Phone - (817) 735 - 7300

FN JOB NO	PFL24731
LAYOUT NAME	Fig2_SPIF_Topo
DATE	4/28/2025
DESIGNED	MK
DRAFTED	AO

2

FIGURE

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NAD 1983 StatePlane Texas Central FIPS 4203 Feet

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

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

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

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

A. Existing/Interim I Phase

Design Flow (MGD): 5.3

2-Hr Peak Flow (MGD): 17.4

Estimated construction start date: Click to enter text.

Estimated waste disposal start date: Click to enter text.

B. Interim II Phase

Design Flow (MGD): 7.25

2-Hr Peak Flow (MGD): 24.92

Estimated construction start date: Currently in operation

Estimated waste disposal start date: Currently in operation

C. Interim III Phase

Design Flow (MGD): 8.5

2-Hr Peak Flow (MGD): 30

Estimated construction start date: 2027

Estimated waste disposal start date: 2028

D. Final Phase

Design Flow (MGD): 10

2-Hr Peak Flow (MGD): 35

Estimated construction start date: 2035

Estimated waste disposal start date: 2035

E. Current Operating Phase

Provide the startup date of the facility: 1987

Section 2. Treatment Process (Instructions Page 43)

A. Current Operating Phase

Provide a detailed description of the treatment process. **Include the type of treatment plant, mode of operation, and all treatment units.** Start with the plant's head works and finish with the point of discharge. Include all sludge processing and drying units. **If more than one phase exists or is proposed, a description of *each phase* must be provided**.

Treatment process is included in Attachment TR-1.

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)
	Attachment TR-2	

C. Process Flow Diagram

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

Attachment: TR-3

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

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

- Latitude: 30.418993
- Longitude: -97.604447

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: TR-4

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

City of Pflugerville – sewer CCN boundary

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
Central	City of Pflugerville	Publicly Owned	3**7,050**
Wilbarger	City of Pflugerville	Publicly Owned	30,665
Cottonwood	City of Pflugerville	Publicly Owned	2,110

Section 4. Unbuilt Phases (Instructions Page 45)

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

☒ Yes ☐ No

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

☐ Yes ☒ No

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

The facility is currently operating in the 7.25 MGD phase. It is anticipated the facility will reach the 8.5 MGD in about 3 years. To operate in the 8.5 MGD and 10 MGD phases, some plant modifications will be needed.

Section 5. Closure Plans (Instructions Page 45)

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

N/A

Section 6. Permit Specific Requirements (Instructions Page 45)

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

A. Summary transmittal

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

☒ Yes ☐ No

If yes, provide the date(s) of approval for each phase: July 29, 2022

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**.

The most recent Summary Transmittal Letter was submitted to TCEQ on July 29, 2022 in preparation of commencing Interim II phase.

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.

Buffer zone requirements are met by ownership and restrictive easement.

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*.

A Summary Transmittal letter was submitted to TCEQ on July 29, 2022 for Interim III phase.

D. Grit and grease treatment

1. Acceptance of grit and grease waste

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

☐ Yes ☒ No

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

2. Grit and grease processing

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

N/A

3. Grit disposal

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

☐ Yes ☐ No

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

Describe the method of grit disposal.

N/A

4. *Grease and decanted liquid disposal*

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

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

N/A

E. Stormwater management

1. *Applicability*

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

☒ Yes ☐ No

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

☐ Yes ☒ No

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

2. *MSGP coverage*

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

☒ Yes ☐ No

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

TXR05 GN83 or TXRNE Click to enter text.

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

☐ Yes ☐ No

3. *Conditional exclusion*

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

☐ Yes ☐ No

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

N/A

4. Existing coverage in individual permit

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

☐ Yes ☐ No

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

N/A

5. Zero stormwater discharge

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

☐ Yes ☐ No

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

N/A

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

6. Request for coverage in individual permit

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

☐ Yes ☐ No

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

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

N/A

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

F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

☐ Yes ☒ No

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

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

1. Acceptance of sludge from other WWTPs

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

☐ Yes ☒ No

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

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

N/A

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

2. Acceptance of septic waste

Is the facility accepting or will it accept septic waste?

☐ Yes ☒ No

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

☐ Yes ☐ No

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

☐ Yes ☐ No

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

N/A

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

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

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

☐ Yes ☒ No

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

N/A

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

Is the facility in operation?

☒ Yes ☐ No

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

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

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

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
$CBOD_5$, mg/l		1	1	Grab	1-13-25/09:00
Total Suspended Solids, mg/l		<1	1	Grab	1-13-25/09:00
Ammonia Nitrogen, mg/l		1.44	1	Grab	1-13-25/09:00
Nitrate Nitrogen, mg/l		1.1	1	Grab	1-13-25/09:00
Total Kjeldahl Nitrogen, mg/l		2.57	1	Grab	1-13-25/09:00
Sulfate, mg/l		118	1	Grab	1-13-25/09:00
Chloride, mg/l		220	1	Grab	1-13-25/09:00
Total Phosphorus, mg/l		1.17	1	Grab	1-13-25/09:00
pH, standard units		6.38	1	Grab	4-29-25/13:50
Dissolved Oxygen*, mg/l		7.68	1	Grab	4-29-25/13:50
Chlorine Residual, mg/l		0	1	Grab	4-29-25/13:50
E.coli (CFU/100ml) freshwater		1.0	1	Grab	1-13-25/09:15
Entercocci (CFU/100ml) saltwater	N/A	N/A	N/A	N/A	N/A
Total Dissolved Solids, mg/l		640	1	Grab	1-13-25/09:00
Electrical Conductivity, µmohs/cm, †	N/A	N/A	N/A	N/A	N/A
Oil & Grease, mg/l		<5.2	1	Grab	1-13-25/09:15
Alkalinity ($CaCO_3$)*, mg/l		223	1	Grab	1-13-25/09:15

*TPDES permits only
†TLAP permits only

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

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

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

Section 8. Facility Operator (Instructions Page 50)

Facility Operator Name: Matthew Johns

Facility Operator's License Classification and Level: Wastewater Treatment Operator B

Facility Operator's License Number: WW0037565

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

A. WWTP's Biosolids Management Facility Type

Check all that apply. See instructions for guidance

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

B. WWTP's Biosolids Treatment Process

Check all that apply. See instructions for guidance.

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

☒ Thickening (e.g. gravity thickening, centrifugation, filter press, vacuum filter)

☐ Sludge Lagoon

☐ Temporary Storage (< 2 years)

☐ Long Term Storage (>= 2 years)

☐ Methane or Biogas Recovery

☐ Other Treatment Process: Click to enter text.

C. Biosolids Management

Provide information on the *intended* biosolids management practice. Do not enter every management practice that you want authorized in the permit, as the permit will authorize all biosolids management practices listed in the instructions. Rather indicate the management practice the facility plans to use.

Biosolids Management

Management Practice	Handler or Preparer Type	Bulk or Bag Container	Amount (dry metric tons)	Pathogen Reduction Options	Vector Attraction Reduction Option
Disposal in Landfill	Off-site Third-Party Handler or Preparer	Not Applicable	34,836.5	N/A	N/A

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

D. Disposal site

Disposal site name: J-V Dirt & Loam

TCEQ permit or registration number: 2310

County where disposal site is located: Travis

E. Transportation method

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

Name of the hauler: Wastewater Transport Services, LLC

Hauler registration number: 24343

Sludge is transported as a:

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

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

A. Beneficial use authorization

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

☐ Yes ☐ No

B. Sludge processing authorization

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

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

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

☐ Yes ☒ No Current permit includes authorizations, but the City has ceased composting activities.

Section 11. Sewage Sludge Lagoons (Instructions Page 53)

Does this facility include sewage sludge lagoons?

☐ Yes ☒ No

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

A. Location information

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

- Original General Highway (County) Map:

  Attachment: Click to enter text.
- USDA Natural Resources Conservation Service Soil Map:

  Attachment: Click to enter text.
- Federal Emergency Management Map:

  Attachment: Click to enter text.
- Site map:

  Attachment: Click to enter text.

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

☐ Overlap a designated 100-year frequency flood plain

☐ Soils with flooding classification

☐ Overlap an unstable area

☐ Wetlands

☐ Located less than 60 meters from a fault

☐ None of the above

Attachment: Click to enter text.

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

Click to enter text.

B. Temporary storage information

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

Nitrate Nitrogen, mg/kg: Click to enter text.

Total Kjeldahl Nitrogen, mg/kg: Click to enter text.

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

Phosphorus, mg/kg: Click to enter text.

Potassium, mg/kg: Click to enter text.

pH, standard units: Click to enter text.

Ammonia Nitrogen mg/kg: Click to enter text.

Arsenic: Click to enter text.

Cadmium: Click to enter text.

Chromium: Click to enter text.

Copper: Click to enter text.

Lead: Click to enter text.

Mercury: Click to enter text.

Molybdenum: Click to enter text.

Nickel: Click to enter text.

Selenium: Click to enter text.

Zinc: Click to enter text.

Total PCBs: Click to enter text.

Provide the following information:

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

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

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

C. Liner information

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

☐ Yes ☐ No

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

Click to enter text.

D. Site development plan

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

Click to enter text.

Attach the following documents to the application.

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

  Attachment: Click to enter text.
- Copy of the closure plan

  Attachment: Click to enter text.
- Copy of deed recordation for the site

  Attachment: Click to enter text.
- Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons

  Attachment: Click to enter text.
- Description of the method of controlling infiltration of groundwater and surface water from entering the site

  Attachment: Click to enter text.
- Procedures to prevent the occurrence of nuisance conditions

  Attachment: Click to enter text.

E. Groundwater monitoring

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

☐ Yes ☐ No

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

Attachment: Click to enter text.

Section 12. Authorizations/Compliance/Enforcement (Instructions Page 55)

A. Additional authorizations

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

☒ Yes ☐ No

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

Reclaimed Water Authorization R11845002 (Type I)

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:

Click to enter text.

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

A. RCRA hazardous wastes

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

☐ Yes ☒ No

B. Remediation activity wastewater

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

☐ Yes ☒ No

C. Details about wastes received

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

Attachment: N/A

Section 14. Laboratory Accreditation (Instructions Page 56)

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

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

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

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

CERTIFICATION:

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

Printed Name: Brandon Pritchett

Title: Public Utility Director

Signature: _____

Date: _____

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 2.0: RECEIVING WATERS

The following information is required for all TPDES permit applications.

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

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

☐ Yes ☒ No

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

Owner of the drinking water supply: Click to enter text.

Distance and direction to the intake: Click to enter text.

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

Attachment: Click to enter text.

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

Does the facility discharge into tidally affected waters?

☐ Yes ☒ No

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

A. Receiving water outfall

Width of the receiving water at the outfall, in feet: Click to enter text.

B. Oyster waters

Are there oyster waters in the vicinity of the discharge?

☐ Yes ☐ No

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

Click to enter text.

C. Sea grasses

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

☐ Yes ☐ No

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

Click to enter text.

Section 3. Classified Segments (Instructions Page 64)

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

☐ Yes ☒ No

If yes, this Worksheet is complete.

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

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

Name of the immediate receiving waters: Gilleland Creek

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.

None

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.

Generally clear, laminar but consistent flow along creek line.

Date and time of observation: 4/30/25, 8:00 am

Was the water body influenced by stormwater runoff during observations?

☐ Yes ☒ No

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

A. Upstream influences

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

☐ Oil field activities

☐ Upstream discharges

☐ Septic tanks

☒ Urban runoff

☒ Agricultural runoff

☒ Other(s), specify: Windermere Utility Company, Inc. Effluent

B. Waterbody uses

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

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

C. Waterbody aesthetics

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

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

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 4.0: POLLUTANT ANALYSIS REQUIREMENTS

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

This worksheet is not required minor amendments without renewal.

Section 1. Toxic Pollutants (Instructions Page 78)

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

Grab ☒ Composite ☐

Date and time sample(s) collected: 1-13-25/09:00

Table 4.0(1) – Toxics Analysis

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acrylonitrile		<50	1	50
Aldrin		<0.01	1	0.01
Aluminum		75.2	1	2.5
Anthracene		<10	1	10
Antimony		<5	1	5
Arsenic		0.595	1	0.5
Barium		48.2	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

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Chlorodibromomethane		<10	1	10
Chloroform		0.470	1	10
Chlorpyrifos		<0.05	1	0.05
Chromium (Total)		<3	1	3
Chromium (Tri) **(*1)**		<0.5	1	N/A
Chromium (Hex)		<3	1	3
Copper		4.45	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		<0.5/0.1	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

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
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
Ethylbenzene		<10	1	10
Fluoride		<500	1	500
Guthion		<0.1	1	0.1
Heptachlor		<0.01	1	0.01
Heptachlor Epoxide		<0.01	1	0.01
Hexachlorobenzene		<5	1	5
Hexachlorobutadiene		<10	1	10
Hexachlorocyclohexane (alpha)		<0.05	1	0.05
Hexachlorocyclohexane (beta)		<0.05	1	0.05
gamma-Hexachlorocyclohexane (Lindane)		<0.05	1	0.05
Hexachlorocyclopentadiene		<10	1	10
Hexachloroethane		<20	1	20
Hexachlorophene		<10	1	10
Lead		<0.5	1	0.5
Malathion		<0.1	1	0.1
Mercury		<0.005	1	0.005
Methoxychlor		<2	1	2
Methyl Ethyl Ketone		<50	1	50
Mirex		<0.02	1	0.02
Nickel		5.63	1	2
Nitrate-Nitrogen		<100	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

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Phenanthrene		<10	1	10
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)		Not Analyzed	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)		0.47	1	10
Vinyl Chloride		<10	1	10
Zinc		28.4	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: 1/13/25, 9:00

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

Pollutant	**AVG Effluent Conc. (µg/l)**	**MAX Effluent Conc. (µg/l)**	**Number of Samples**	**MAL (µg/l)**
Antimony		<5	1	5
Arsenic		0.595	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)**		<0.5	1	N/A
Copper		4.45	1	2
Lead		<0.5	1	0.5
Mercury		<0.005	1	0.005
Nickel		5.63	1	2
Selenium		<5	1	5
Silver		<0.5	1	0.5
Thallium		<0.5	1	0.5
Zinc		28.4	1	5
Cyanide **(*2)**		<10	1	10
Phenols, Total		<10	1	10

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

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

Table 4.0(2)B – Volatile Compounds

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acrolein		<50	1	50
Acrylonitrile		<50	1	50
Benzene		<10	1	10
Bromoform		<10	1	10
Carbon Tetrachloride		<2	1	2
Chlorobenzene		<10	1	10
Chlorodibromomethane		<10	1	10
Chloroethane		<50	1	50
2-Chloroethylvinyl Ether		<10	1	10
Chloroform		0.470	1	10
Dichlorobromomethane [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 [1,3-Dichloropropene]		<10	1	10
1,2-Trans-Dichloroethylene		<10	1	10
Ethylbenzene		<10	1	10
Methyl Bromide		<50	1	50
Methyl Chloride		<50	1	50
Methylene Chloride		<20	1	20
1,1,2,2-Tetrachloroethane		<10	1	10
Tetrachloroethylene		<10	1	10
Toluene		<10	1	10
1,1,1-Trichloroethane		<10	1	10
1,1,2-Trichloroethane		<10	1	10
Trichloroethylene		<10	1	10
Vinyl Chloride		<10	1	10

Table 4.0(2)C – Acid Compounds

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

Table 4.0(2)D – Base/Neutral Compounds

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

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

Table 4.0(2)E - Pesticides

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Aldrin		<0.01	1	0.01
alpha-BHC (Hexachlorocyclohexane)		<0.103	1	0.05
beta-BHC (Hexachlorocyclohexane)		<0.05	1	0.05
gamma-BHC (Hexachlorocyclohexane)		<0.05	1	0.05
delta-BHC (Hexachlorocyclohexane)		<0.05	1	0.05
Chlordane		<0.2	1	0.2
4,4-DDT		<0.02	1	0.02
4,4-DDE		<0.1	1	0.1
4,4,-DDD		<0.1	1	0.1
Dieldrin		<0.02	1	0.02
Endosulfan I (alpha)		<0.01	1	0.01
Endosulfan II (beta)		<0.02	1	0.02
Endosulfan Sulfate		<0.103	1	0.1
Endrin		<0.02	1	0.02
Endrin Aldehyde		<0.1	1	0.1
Heptachlor		<0.01	1	0.01
Heptachlor Epoxide		<0.01	1	0.01
PCB-1242		<0.2	1	0.2
PCB-1254		<0.2	1	0.2
PCB-1221		<0.2	1	0.2
PCB-1232		<0.2	1	0.2
PCB-1248		<0.2	1	0.2
PCB-1260		<0.2	1	0.2
PCB-1016		<0.2	1	0.2
Toxaphene		<0.3	1	0.3

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

Section 3. Dioxin/Furan Compounds

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

☐ 2,4,5-trichlorophenoxy acetic acid

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

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

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

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

Common Name Erbon, CASRN 136-25-4

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

Common Name Ronnel, CASRN 299-84-3

☐ 2,4,5-trichlorophenol

Common Name TCP, CASRN 95-95-4

☐ hexachlorophene

Common Name HCP, CASRN 70-30-4

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

N/A

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

☐ Yes ☐ No

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

N/A

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

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

Grab ☐ Composite ☐

Date and time sample(s) collected: Click to enter text.

Table 4.0(2)F – Dioxin/Furan Compounds

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

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 5.0: TOXICITY TESTING REQUIREMENTS

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

This worksheet is not required minor amendments without renewal.

Section 1. Required Tests (Instructions Page 88)

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

7-day Chronic: 18

48-hour Acute: 9 24-hour Acute

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
Previously submitted			

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 6.0: INDUSTRIAL WASTE CONTRIBUTION

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

Section 1. All POTWs (Instructions Page 89)

A. Industrial users (IUs)

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

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

Categorical IUs:

Number of IUs: 2

Average Daily Flows, in MGD: 0.00713

Significant IUs – non-categorical:

Number of IUs: 0

Average Daily Flows, in MGD: 0 (zero)

Other IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0 (zero)

B. Treatment plant interference

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

☐ Yes ☒ No

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

N/A

C. Treatment plant pass through

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

☐ Yes ☒ No

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

N/A

D. Pretreatment program

Does your POTW have an approved pretreatment program?

☐ Yes ☒ No

If yes, complete Section 2 only of this Worksheet.

Is your POTW required to develop an approved pretreatment program?

☐ Yes ☒ No

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

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

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

A. Substantial modifications

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

☐ Yes ☐ No

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

N/A

B. Non-substantial modifications

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

☐ Yes ☐ No

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

N/A

C. Effluent parameters above the MAL

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

Table 6.0(1) – Parameters Above the MAL

Pollutant	Concentration	MAL	Units	Date
N/A				

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.

N/A

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

A. General information

Company Name: Sealed Air (formerly Austin Foam Plastics, Inc.)

SIC Code: 3086, 2653

Contact name: Adrian Frady

Address: 2933 A W. Grimes Blvd

City, State, and Zip Code: Pflugerville, TX 78660

Telephone number: 512-251-6300

Email address: adrian.frady@sealedair.com

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).

Creation of foam, plastic, molded pulp and corrugated cardboard packaging and associated printing, coating, and finishing.

C. Product and service information

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

Foam, plastic, molded pulp, and corrugated cardboard packaging and shipping materials.

D. Flow rate information

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

Process Wastewater:

Discharge, in gallons/day: 48,000

Discharge Type: ☐ Continuous ☐ Batch ☒ Intermittent

Non-Process Wastewater:

Discharge, in gallons/day: 0 (zero)

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

E. Pretreatment standards

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

☐ Yes ☒ No

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

☒ Yes ☐ No

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

Category: 463 – Plastics Molding and Forming

Subcategories: N/A

Category: 430 – Pulp, Paper, and Paperboard

Subcategories: N/A

F. Industrial user interruptions

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

☐ Yes ☒ No

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

N/A

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

A. General information

Company Name: EVS Texas Inc.

SIC Code: 3444

Contact name: Robert Evans

Address: 400 Heatherwilde Blvd

City, State, and Zip Code: Pflugerville, TX 78660

Telephone number: 512-989-3000

Email address: Revans@evsmetal.com

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).

Metal machining, finishing (polishing, buffering, and graining), welding, and powder coating.

C. Product and service information

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

Sheet metal; steel and aluminum assembled products.

D. Flow rate information

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

Process Wastewater:

Discharge, in gallons/day: 69,174

Discharge Type: ☐ Continuous ☐ Batch ☒ Intermittent

Non-Process Wastewater:

Discharge, in gallons/day: 0 (zero)

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

E. Pretreatment standards

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

☐ Yes ☒ No

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

☒ Yes ☐ No

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

Category: 433 – Metal Finishing

Subcategories: N/A

F. Industrial user interruptions

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

☐ Yes ☒ No

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

N/A

Proposed Expanded and Modified Plant – Biological Nutrient Removal

The proposed expansion and modifications would add capacity and convert the existing plant to a biological nutrient removal (BNR) process. An influent lift station will collect and pump influent into the headworks, which will consist of two (2) coarse screens, one (1) fine screen, and one (1) gravity grit removal unit. The flow will be split evenly between two (2) new carrousel units that utilize internal anaerobic, anoxic, and oxic zones for biological nutrient removal, and the two (2) existing Carrousel™ aeration basins which will be appended with external anoxic/anaerobic basins for nutrient removal. The wastewater will then be split between three (3) secondary clarifiers, before progressing to the cloth media filters followed by UV disinfection. For sludge handling, existing structures will be converted into sludge and thickened sludge holding tanks. A mechanical thickener will thicken the WAS flow before it is sent to a mechanical dewatering unit for dewatering.

It is proposed to construct the improvements in three phases, as follows:

Phase I – New influent lift station, coarse and fine screens, grit removal, carrousel type aeration basins designed for BNR, final clarifier, filters, and UV disinfection.

Phase II – New anaerobic/anoxic basins ahead of existing carrousel aeration basins to convert them to BNR, rehabilitation of Carrousel™ aeration basins, and rehabilitation of existing final clarifiers.

Phase III – New sludge thickening/dewatering facility.

During the Phase II project it is anticipated that the existing Carrousel™ aeration basins and final clarifiers will be rehabilitated by taking one unit off-line at a time. During the time when a Carrousel™ basin and/or one clarifier out of service, the treatment capacity will be limited to 8.5 MGD. Therefore, the City intends to request a phased discharge permit with interim phases of 7.25 and 8.5 MGD. When Phase II construction is complete the liquids treatment capacity of the plant will be 10 MGD.

Likewise, the existing solids handling facilities have the capacity to process solids produced from an influent flow of approximately 8.5 MGD. If additional solids handling capacity is needed prior to completion of the Phase III construction, the City will use a mobile belt filter press to augment the existing solids dewatering equipment.

Sludge Management Plan
City of Pflugerville
Central WWTP

There are no primary clarifier or anaerobic/aerobic digesters proposed as part of this permit application. The City currently has two identical centrifuges which dewater waste activated sludge directly from the secondary clarifiers. During Interim Phase II, the waste activated sludge will first be stored in an aerated holding tank before dewatering via existing centrifuges. The centrifuge firm dewatering capacity (one unit out of service) is 13,600 lbs of solids per day, assuming a 16-hour work day.

During the Final Phase, the centrifuges will be replaced by a combination of rotary drum thickeners (RDTs) and screw press dewatering units. The RDTs will thicken the waste activated sludge from the holding tank. The thickened waste activated sludge will be held in a separate aerated tank, then sent to the screw press units for dewatering. The screw press units will be designed for a firm capacity (one unit out of service) of 22,000 lbs of solids per day, assuming a 12-hour work day.

Solids Generation:

Influent Design Flow

- Interim Phase II – 7.25 MGD
- Final Phase – 10 MGD

Design Influent BOD Concentration = 263 mg/L

BNR Solid Generation = 0.86 lb-Solids/lb-BOD

Aeration Basin MLSS: 3,000 to 4,000 mg/L

Table 1 – Solids Generation

Phase	100% Flow (lb/day)	75% Flow (lb/day)	50% Flow (lb/day)	25% Flow (lb/day)
Interim Phase II	13,416	10,062	6,708	3,354
Final Phase	18,505	13,879	9,252	4,626

QUANTITY OF SOLIDS TO BE REMOVED FROM PROCESS AND SCHEDULE FOR REMOVAL:

The dewatered sludge will be deposited into a dump truck for disposal on a regular basis as required. The dewatered solids will be incorporated into the City's on-site composting operation, or hauled off-site to a TCEQ permitted third party facility.

The schedule for removal of solids from the treatment process will be established to maintain the desired suspended solids concentration and sludge age in the BNR process. Removal of solids on a daily basis would average to 18,505 lbs per day of dry weight solids at 100% of the Final Phase flow. Assuming 21% cake solids content, the daily cake production will equal 50 cubic yards. Assuming the City uses 12 cubic yard dump trucks, 5 dump trucks loads of cake will be composted or land filled per day.

IDENTIFICATION AND OWNERSHIP OF THE ULTIMATE SLUDGE DISPOSAL SITE:

Waste Management Williamson County Landfill
699 County Road 128
Hutto, TX 78634
MSW Permit #1405B

or

Micro Dirt, Inc.
DBA Texas Organic Recover
15500 Goforth Road
Creedmor, Texas
TCEQ Reg. #42016

or

Walker Aero Compost Facility
3500 North FM 973
Austin, TX 78725
MSW Permit #2310

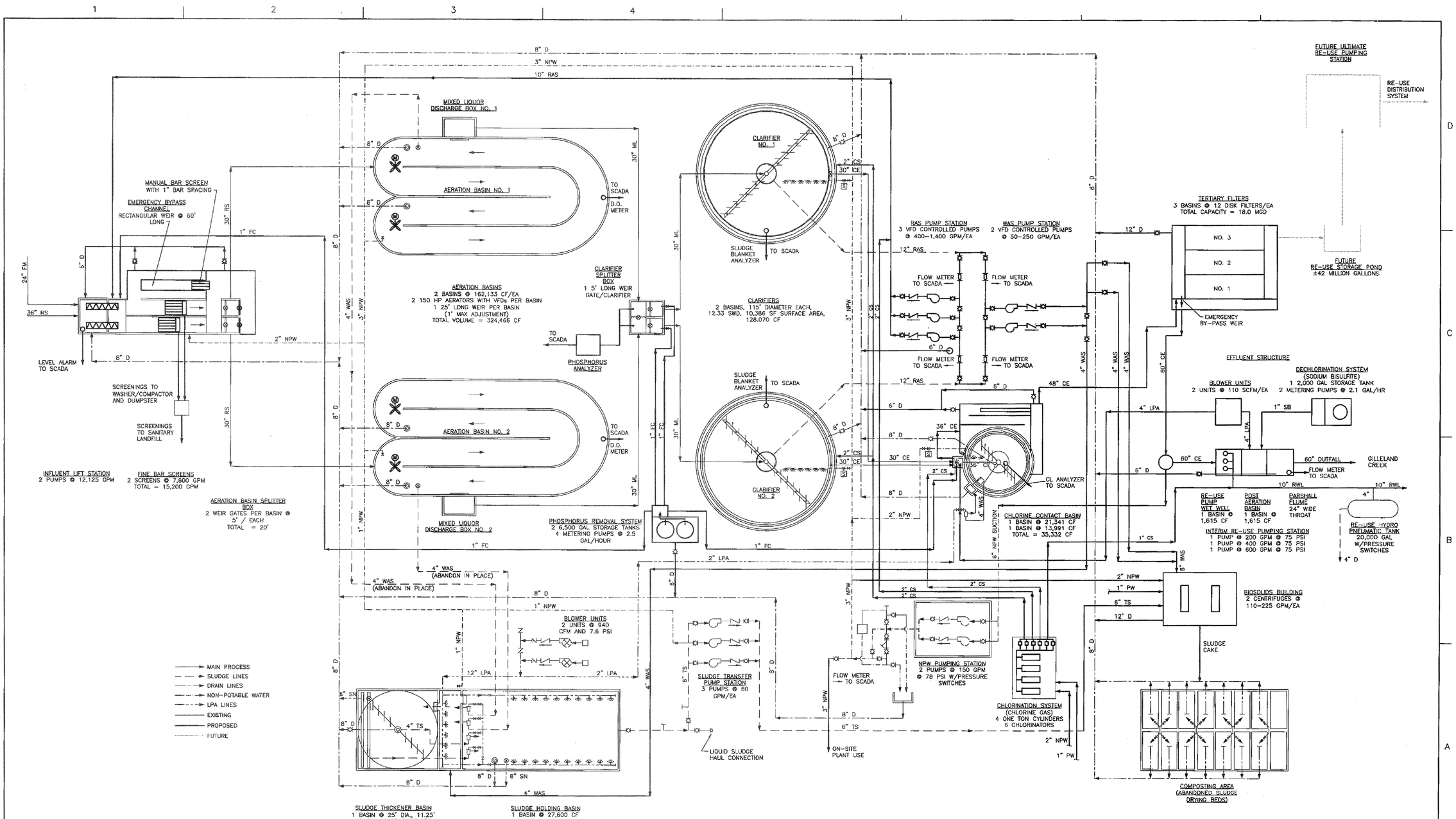
or

WASTE MANAGEMENT OF TEXAS AUSTIN COMMUNITY RECYCLING & DISPOSAL FACILITY
9900 Giles Lane
Austin, TX, 78754
MSW Permit #249D

or

Another TCEQ permitted landfill as needed.

Process Flow Diagram for 5.3 MGD Phase of Central WWTP



C:\WINDM\09669-20860 PFL WWTPIDWGS-PROCESS\00D-01.DWG, 10/11/2005 2:24:03 PM, jfelan

HDR Engineering, Inc.

ISSUE	DATE	DESCRIPTION
A	10/19/05	ISSUED FOR BIDDING

PROJECT MANAGER	DARREN C. STROZEWSKI
DESIGNED BY	D. C. STROZEWSKI
DESIGNED BY	S. D. BEROSET
DRAWN BY	M. E. WAUER
CHECKED BY	J. G. GLASER
DATE	OCTOBER 2005
PROJECT NUMBER	000000000020860

STATE OF TEXAS · DARREN C. STROZEWSKI · 87908 · LICENSED PROFESSIONAL ENGINEER — 10/20/05

The City of Pflugerville Texas

CENTRAL WASTEWATER TREATMENT PLANT IMPROVEMENTS

GENERAL PROCESS FLOW DIAGRAM

0 1" 2"

FILENAME	00D-01.DWG
SCALE	NOT TO SCALE

SHEET 00D-01

16" PLANT DRAIN

60" PIPE FROM SH-130 MANHOLE

24" PIPE FROM WEISS LANE LIFT STATION

LEGEND:

NEW EQUIPMENT, PIPING, OR STRUCTURES

EXISTING EQUIPMENT, PIPING, OR STRUCTURES

FUTURE EQUIPMENT, PIPING, OR STRUCTURES

INFLUENT LIFT STATION

OVERFLOW

HEADWORKS

GATE

GRAVITY GRIT CHAMBER

GRIT PUMPS

WASHER COMPACTORS

GRIT TEACUP AND SNAIL

SOLIDS TO LANDFILL

SOLIDS TO LANDFILL

AERATION BASIN INFLUENT SPLITTER BOX

RAS SPLITTER BOX

ANAEROBIC ZONE

ANOXIC ZONE

INTERNAL RECYCLE GATE

BNR BASIN NO. 4

BNR BASIN NO. 3

BNR BASIN NO. 2

BNR BASIN NO. 1

RAS

MIXED LIQUOR JUNCTION BOX

MIXED LIQUOR SPLITTER BOX

ALUM

ALUM FEED AND STORAGE

EXISTING FINAL CLARIFIER 1

EXISTING FINAL CLARIFIER 2

CLARIFIER 3

CLARIFIER 4

NEW RAS/WAS PUMP STATION #2

EXISTING RAS/WAS PUMP STATION #1

RAS

RAS

WAS

RAS/WAS

WAS

THICKENED SLUDGE HOLDING TANK BLOWERS

ROTARY DRUM THICKENERS

SLUDGE PUMPS

AIR

THICKENED SLUDGE HOLDING TANK

AIR DIFFUSERS

TWAS

WAS HOLDING TANK

WAS BYPASS

WAS BYPASS

TWAS

PLANT EFFLUENT OUTFALL

NON-POTABLE WATER SYSTEM

EFFLUENT PUMP STATION

PARSHALL FLUME

UV DISINFECTION

POST-AERATION BASIN

CLOTH MEDIA FILTERS

TO PLANT DRAIN

BACKWASH VACUUM PUMPS

POLYMER FEED SYSTEM

SCREW PRESSES

BIOSOLIDS TO COMPOST/LANDFILL

EXISTING REUSE PUMPS

NPW PUMPS

CL2

TYPE 1 REUSE WATER SYSTEM

90% SUBMITTAL

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Freese and Nichols, Inc.
Texas Registered Engineering Firm F-2144

FREESE NICHOLS

10431 Morado Circle, Suite 300
Austin, Texas 78759
Phone - (512) 617-3100
Fax - (512) 617-3101

CITY OF PFLUGERVILLE
CENTRAL WWTP EXPANSION
PHASE I IMPROVEMENTS
GENERAL

10 MGD PFD

NO.	ISSUE	BY	DATE

FAN JOB NO. PFL16607
DATE 04/19/19
DESIGNED KAL
DRAWN MGA
REVISED
CHECKED JWM
FILE NAME PI-PFL-DG-PROC01.dwg

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Last Saved: 4/25/2019 12:50 PM Saved By: 90119

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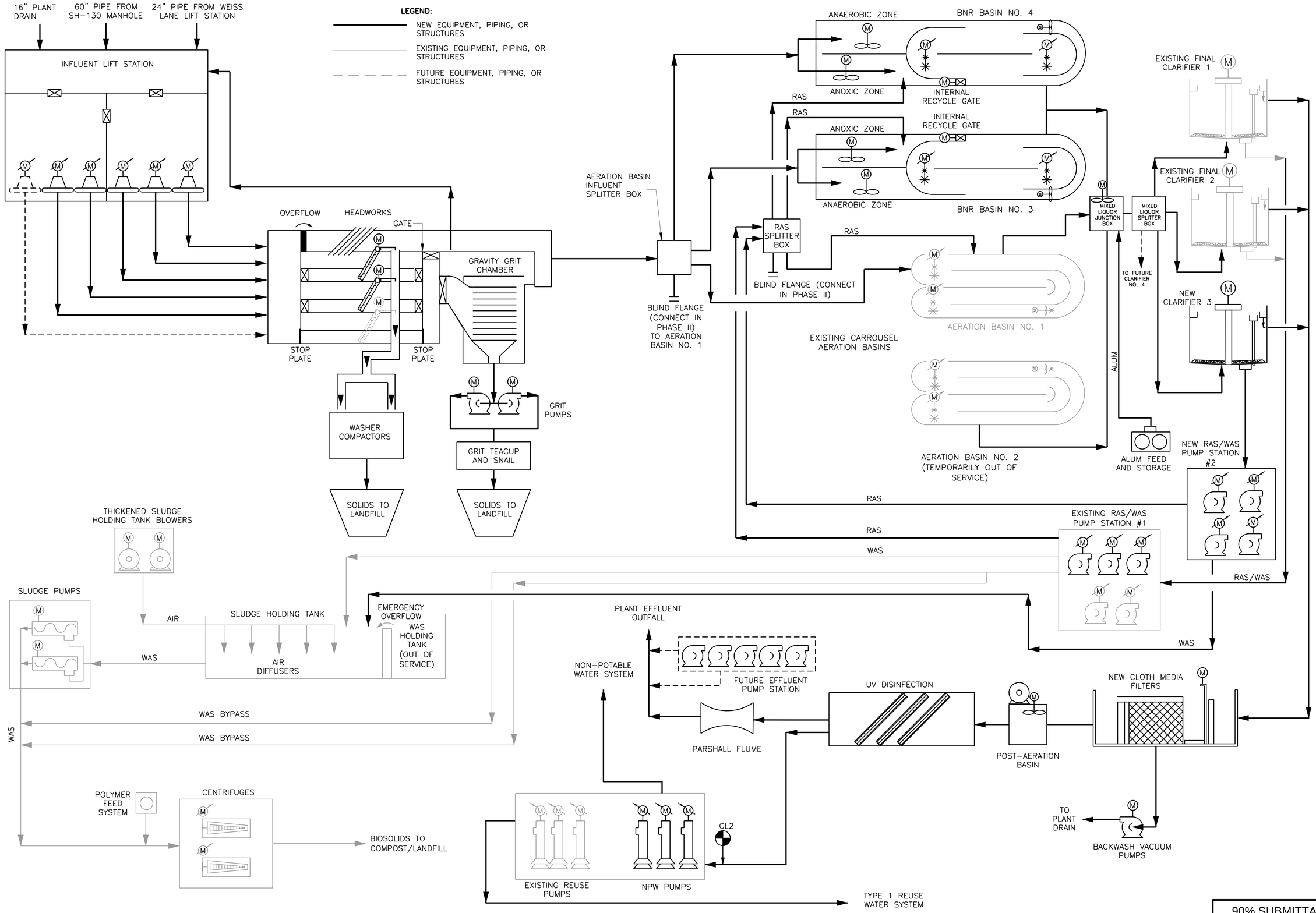

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Freese and Nichols, Inc.
Texas Registered Engineering Firm F-2144

FREESE NICHOLS
10431 Morado Circle, Suite 300
Austin, Texas 78759
Phone - (512) 617-3100
Fax - (512) 617-3101

CITY OF PFLUGERVILLE
CENTRAL WWTP EXPANSION
PHASE I IMPROVEMENTS
GENERAL

7.25 and 8.5 MGD PFD

NO.	ISSUE	BY	DATE

VERIFY SCALE Bar is one inch on original drawing. If not one inch on this sheet, adjust scale.
0 1"

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DATE	04/19/19
DESIGNED	KAL
DRAWN	MGA
REVISED	-
CHECKED	JWM
FILE NAME	PI-PFL-DG-PROC01.dwg

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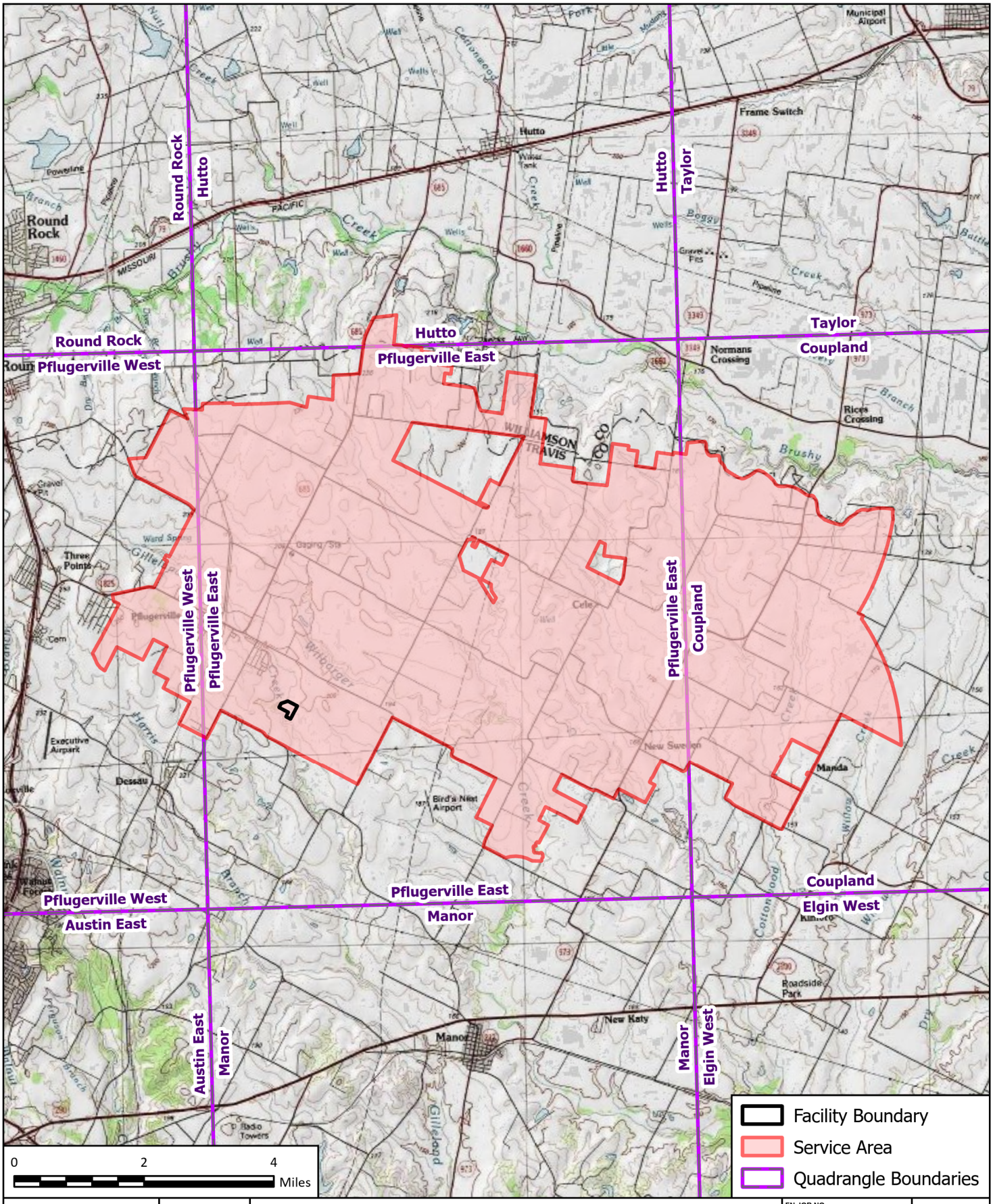

FREESE AND NICHOLS
FREESE AND NICHOLS, INC
801 Cherry Street, Suite 2800
Fort Worth, TX 76102
Phone - (817) 735 - 7300

CITY OF PFLUGERVILLE

TPDES Permit Renewal

Site Drawing

FN JOB NO	PFL24731
LAYOUT NAME	Fig3_Site_Drawing
DATE	4/28/2025
DESIGNED	MK
DRAFTED	AO

3
FIGURE

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. WQ00

SOLICITUD. *Ciudad de Pflugerville, P.O. Box 589, Pflugerville, Texas 78691,* ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0011845002 (EPA I.D. No. TX 0094927) 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 anual diario de *10,000,000* galones por día. La planta está ubicada *en 15500 B Sun Light Near Way, en la ciudad de Pflugerville,* en el Condado de *Travis*, Texas *78660*. La ruta de descarga es del sitio de la planta a *hasta Gilleland Creek; de allí al Colorado River Below Lady Bird Lake* . La TCEQ recibió esta solicitud el *19 de mayo de 2025*. La solicitud para el permiso estará disponible para leerla y copiarla en *Ayuntamiento de la ciudad de Pflugerville, Oficina del administrador de la ciudad, 100 East Main Street, Suite 300, Pflugerville en el condado de Travis, Texas,* antes de la fecha de publicación de este aviso en el periódico. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.
https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.604444,30.419166&level=18

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

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

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

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

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

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

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

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

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

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

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

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

También se puede obtener información adicional del *Ciudad de Pflugerville* a la dirección indicada arriba o llamando a *Sr. Brandon Pritchett, Director de Servicios Públicos,* al *512-990-6400*.

Fecha de emisión: *[Date notice issued]*

Brandon Maldonado

From: Katie Leatherwood <Katie.Leatherwood@freese.com>
Sent: Thursday, May 29, 2025 12:53 PM
To: Brandon Maldonado
Cc: brandonp
Subject: RE: Application to Renew Permit No. WQ0011845002 - Notice of Deficiency Letter
Attachments: WQ0011845002 - City of Pflugerville Municipal Discharge Renewal Spanish NORI.docx

Mr. Maldonado,

There are no errors or omissions in the NORI portion included in the Notice of Deficiency, and I have attached a Spanish-translated copy of the NORI to this email. Feel free to reach out to Mr. Pritchett or me if you require any additional information to declare the permit administratively complete.

Thank you,

Katie Leatherwood, P.G. | 817-735-7503 office | 817-291-8615 mobile

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From: Brandon Maldonado <Brandon.Maldonado@tceq.texas.gov>
Sent: Wednesday, May 28, 2025 4:14 PM
To: brandonp <brandonp@pflugervilletx.gov>
Cc: Katie Leatherwood <Katie.Leatherwood@freese.com>
Subject: Application to Renew Permit No. WQ0011845002 - Notice of Deficiency Letter

Dear Mr. Brandon Pritchett

The attached Notice of Deficiency (NOD) letter sent on **May 28, 2025,** requests additional information needed to declare the application administratively complete. Please send complete response to my attention by **June 11, 2025.**

Please let me know if you have any questions.

Regards,

Brandon Maldonado
Texas Commission on Environmental Quality
Water Quality Division
512-239-4331
Brandon.Maldonado@tceq.texas.gov

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