Administrative Package Cover Page

This file contains the following documents:

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

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS

DOMESTIC WASTEWATER

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.

CITY OF LAMESA (CN600632400) operates CITY OF LAMESA WWTP RN101918977. an ACTIVATED SLUDGE PLANT. The facility is located approximately 2,600 feet east-northeast of the intersection of CR 20 and SH 137.

Discharges from the facility are expected to contain TSS, 5 DAY CBOD, AMMONIA NITROGEN,ESCHERICHIA E COLI ..TREATED EFFLUENT is treated by *ACTIVATED SLUDGE PROCESS PLANT. WHICH INCLUDES A PLANT SCREEN, ARIATION BASIN, FINAL CLARAFIERS, BELT FILTER PRESS, UV SYSTEM, AND CASCADE*

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

PERMIT NO. WQ0010107001

APPLICATION. City of Lamesa, 601 South 1st Street, Lamesa, Texas 79331, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0010107001 (EPA I.D. No. TX0129011) to authorize the discharge of treated wastewater at a volume not to exceed an annual average flow of 2,000,000 gallons per day. The domestic wastewater treatment facility is located approximately 2,600 feet east-northeast of the intersection of County Road 20 and State Highway 137, near the city of Lamesa, in Dawson County, Texas 79331. The discharge route is from the plant site via pipe to Sulphur Springs Draw; thence to Natural Dam Lake; thence to Sulphur Springs Draw; thence to Beals Creek; thence to the Colorado River Below Lake J.B. Thomas. TCEQ received this application on June 3, 2024. The permit application will be available for viewing and copying at Lamesa City Hall, 601 South 1st Street, Lamesa, in Dawson 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=-101.946111,32.711944&level=18

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

PUBLIC COMMENT / PUBLIC MEETING. You may submit public comments or request a public meeting on this application. The purpose of a public meeting is to provide the opportunity to submit comments or to ask questions about the application. TCEQ will hold a public meeting if the Executive Director determines that there is a significant degree of public interest in the application or if requested by a local legislator. A public meeting is not a contested case hearing.

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

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

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

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

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

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

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

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

Further information may also be obtained from City of Lamesa at the address stated above or by calling Mr. Ernest Ojeda, Utility Director, at 806-201-0243.

Issuance Date: June 26, 2024

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: City of Lamesa

PERMIT NUMBER (If new, leave blank): WQ00 10107001

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

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

For TCEQ Use Only

Segment Number _____County _____
Expiration Date _____Region_____
Permit Number _____

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

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

Section 1. Application Fees (Instructions Page 26)

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

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

Minor Amendment (for any flow) $150.00 ☐

Payment Information:

Mailed Check/Money Order Number: Click to enter text.

Check/Money Order Amount: Click to enter text.

Name Printed on Check: Click to enter text.

EPAY Voucher Number: Click to enter text.

Copy of Payment Voucher enclosed? Yes ☐

Section 2. Type of Application (Instructions Page 26)

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

☒ Publicly-Owned Domestic Wastewater

☐ Privately-Owned Domestic Wastewater

☐ Conventional Wastewater Treatment

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

☒ Active ☐ Inactive

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

- ☒ TPDES Permit
- ☐ TLAP
- ☐ TPDES Permit with TLAP component
- ☐ Subsurface Area Drip Dispersal System (SADDS)

d. Check the box next to the appropriate application type

- ☐ New
- ☐ Major Amendment *with* Renewal
- ☐ Major Amendment *without* Renewal
- ☒ Renewal without changes
- ☐ Minor Amendment *with* Renewal
- ☐ Minor Amendment *without* Renewal
- ☐ Minor Modification of permit

e. For amendments or modifications, describe the proposed changes: Click to enter text.

f. For existing permits:

Permit Number: WQ00 10107001

EPA I.D. (TPDES only): TX 0129011

Expiration Date: 12/06/2024

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

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

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

City of Lamesa

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

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

CN: 600632400

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

Prefix: Mr. Last Name, First Name: Stevens, Josh

Title: Mayor Credential: Click to enter text.

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

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

N/A

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

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

CN: Click to enter text.

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

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

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

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

C. Core Data Form

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

Section 4. Application Contact Information (Instructions Page 27)

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

A. Prefix: Mr. Last Name, First Name: Ojeda, Ernest

Title: Utility Director Credential: Click to enter text.

Organization Name: City of Lamesa

Mailing Address: 601 S. 1st Street City, State, Zip Code: Lamesa, TX 79331

Phone No.: 806.201.0243 E-mail Address: directorofutilities@ci.lamesa.tx.us

Check one or both: ☒ Administrative Contact ☒ Technical Contact

B. Prefix: Mr. Last Name, First Name: Krueger, Paul

Title: Civil Engineer Credential: P.E.

Organization Name: Parkhill

Mailing Address: 4222 85th Street City, State, Zip Code: Lubbock, TX, 79423

Phone No.: 806.473.2200 E-mail Address: pkrueger@parkhill.com

Check one or both: ☒ Administrative Contact ☒ Technical Contact

Section 5. Permit Contact Information (Instructions Page 27)

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

A. Prefix: Mr. Last Name, First Name: Ojeda, Ernest

Title: Utilities Director Credential: Click to enter text.

Organization Name: City of Lamesa

Mailing Address: 601 S. 1st Street City, State, Zip Code: Lamesa, TX, 79331

Phone No.: 806.201.0243 E-mail Address: directorofutilities@ci.lamesa.tx.us

B. Prefix: Mr. Last Name, First Name: Krueger, Paul

Title: Civil Engineer Credential: P.E.

Organization Name: Parkhill

Mailing Address: 4222 85th Street City, State, Zip Code: Lubbock, TX, 79423

Phone No.: 806.473.2200 E-mail Address: pkrueger@parkhill.com

Section 6. Billing Contact Information (Instructions Page 27)

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

Prefix: Mr. Last Name, First Name: Hines, Joe

Title: City Manager Credential: Click to enter text.

Organization Name: City of Lamesa

Mailing Address: 601 1st Street City, State, Zip Code: Lamesa, TX, 79331

Phone No.: 806.872.2124 E-mail Address: jhines@ci.lamesa.tx.us

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

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

Prefix: Mr. Last Name, First Name: Ojeda, Ernest

Title: Utilities Director Credential: Click to enter text.

Organization Name: City of Lamesa

Mailing Address: 601 S. 1st Street City, State, Zip Code: Lamesa, TX, 79331

Phone No.: 806.201.0243 E-mail Address: directorofutilities@ci.lamesa.tx.us

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Mr. Last Name, First Name: Krueger, Paul

Title: Civil Engineer Credential: P.E.

Organization Name: Parkhill

Mailing Address: 4222 85th Street City, State, Zip Code: Lubbock, TX, 79423

Phone No.: 806.473.2200 E-mail Address: pkrueger@parkhill.com

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

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

☒ E-mail Address

☐ Fax

☒ Regular Mail

C. Contact permit to be listed in the Notices

Prefix: Mr. Last Name, First Name: Ojeda, Ernest

Title: Utilities Director Credential: Click to enter text.

Organization Name: City of Lamesa

Mailing Address: 601 S. 1st Street City, State, Zip Code: Lamesa, TX, 79331

Phone No.: 806.201.0243 E-mail Address: directorofutilities@ci.lamesa.tx.us

D. Public Viewing Information

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

Public building name: City Hall

Location within the building: City Managers Office

Physical Address of Building: 601 S. 1st Street

City: Lamesa County: Dawson

Contact (Last Name, First Name): Joe Hines

Phone No.: 806.872.2124 Ext.: Click to enter text.

E. Bilingual Notice Requirements

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

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

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

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

   ☐ Yes ☒ No

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

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

   ☐ Yes ☐ No

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

   ☐ Yes ☐ No

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

   ☐ Yes ☐ No

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

F. Plain Language Summary Template

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

Attachment: Appendix B

G. Public Involvement Plan Form

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

Attachment: N/A - Renewal

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

A. If the site is currently regulated by TCEQ, provide the Regulated Entity Number (RN) issued to this site. **RN** 101918977

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

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

City of Lamesa Wastewater Treatment Plant

C. Owner of treatment facility: City of Lamesa

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

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

Prefix: N/A Last Name, First Name: Click to enter text.

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

Organization Name: City of Lamesa

Mailing Address: 601 S 1st Street City, State, Zip Code: Lamesa, TX, 79331

Phone No.: 806.872.2124 E-mail Address: jhines@ci.lamesa.tx.us

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

Attachment: N/A

E. Owner of effluent disposal site:

Prefix: N/A Last Name, First Name: Click to enter text.

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

Organization Name: Click to enter text.

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

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

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

Attachment: Click to enter text.

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

Prefix: N/A Last Name, First Name: Click to enter text.

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

Organization Name: Click to enter text.

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

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

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

Attachment: Click to enter text.

Section 10. TPDES Discharge Information (Instructions Page 31)

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

☒ Yes ☐ No

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

N/A

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

☒ Yes ☐ No

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

N/A

City nearest the outfall(s): Lamesa

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

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

☐ Yes ☒ No

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

☐ Authorization granted ☐ Authorization pending

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

Attachment: N/A

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

Section 11. TLAP Disposal Information (Instructions Page 32)

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

☐ Yes ☐ No

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

N/A

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

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

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

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

Section 12. Miscellaneous Information (Instructions Page 32)

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

☐ Yes ☒ No

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

☐ Yes ☐ No ☒ Not Applicable

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

N/A

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

☐ Yes ☒ No

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

D. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

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

Account number: Click to enter text.

Amount past due: Click to enter text.

E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

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

Enforcement order number: Click to enter text.

Amount past due: Click to enter text.

Section 13. Attachments (Instructions Page 33)

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

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

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

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

See Appendix C

☐ Attachment 1 for Individuals as co-applicants

☒ Other Attachments. Please specify: Appendix A: Core Data Sheet; Appendix B: Plain Language Summary; Appendix D: SPIF Form

Section 14. Signature Page (Instructions Page 34)

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

Permit Number: WQ0010107001

Applicant: City of Lamesa

Certification:

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

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

Signatory name (typed or printed): Josh Stevens

Signatory title: Lamesa

Signature:_____Date:_____

(Use blue ink)

Subscribed and Sworn to before me by the said_____

on this_____day of_____, 20_____.

My commission expires on the_____day of_____, 20_____.

_____

Notary Public *[SEAL]*

_____

County, Texas

DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

N/A - Renewal

The following information is required for new and amendment applications.

Section 1. Affected Landowner Information (Instructions Page 36)

A. Indicate by a check mark that the landowners map or drawing, with scale, includes the following information, as applicable:

- ☐ The applicant's property boundaries
- ☐ The facility site boundaries within the applicant's property boundaries
- ☐ The distance the buffer zone falls into adjacent properties and the property boundaries of the landowners located within the buffer zone
- ☐ The property boundaries of all landowners surrounding the applicant's property (Note: if the application is a major amendment for a lignite mine, the map must include the property boundaries of all landowners adjacent to the new facility (ponds).)
- ☐ The point(s) of discharge and highlighted discharge route(s) clearly shown for one mile downstream
- ☐ The property boundaries of the landowners located on both sides of the discharge route for one full stream mile downstream of the point of discharge
- ☐ The property boundaries of the landowners along the watercourse for a one-half mile radius from the point of discharge if the point of discharge is into a lake, bay, estuary, or affected by tides
- ☐ The boundaries of the effluent disposal site (for example, irrigation area or subsurface drainfield site) and all evaporation/holding ponds within the applicant's property
- ☐ The property boundaries of all landowners surrounding the effluent disposal site
- ☐ The boundaries of the sludge land application site (for land application of sewage sludge for beneficial use) and the property boundaries of landowners surrounding the applicant's property boundaries where the sewage sludge land application site is located
- ☐ The property boundaries of landowners within one-half mile in all directions from the applicant's property boundaries where the sewage sludge disposal site (for example, sludge surface disposal site or sludge monofill) is located

B. ☐ Indicate by a check mark that a separate list with the landowners' names and mailing addresses cross-referenced to the landowner's map has been provided.

C. Indicate by a check mark in which format the landowners list is submitted:

☐ USB Drive ☐ Four sets of labels

D. Provide the source of the landowners' names and mailing addresses: Click to enter text.

E. As required by *Texas Water Code § 5.115*, is any permanent school fund land affected by this application?

☐ Yes ☐ No

If **yes**, provide the location and foreseeable impacts and effects this application has on the land(s):

Click to enter text.

Section 2. Original Photographs (Instructions Page 38)

Provide original ground level photographs. Indicate with checkmarks that the following information is provided.

- ☐ At least one original photograph of the new or expanded treatment unit location
- ☐ At least two photographs of the existing/proposed point of discharge and as much area downstream (photo 1) and upstream (photo 2) as can be captured. If the discharge is to an open water body (e.g., lake, bay), the point of discharge should be in the right or left edge of each photograph showing the open water and with as much area on each respective side of the discharge as can be captured.
- ☐ At least one photograph of the existing/proposed effluent disposal site
- ☐ A plot plan or map showing the location and direction of each photograph

Section 3. Buffer Zone Map (Instructions Page 38)

A. Buffer zone map. Provide a buffer zone map on 8.5 x 11-inch paper with all of the following information. The applicant's property line and the buffer zone line may be distinguished by using dashes or symbols and appropriate labels.

- The applicant's property boundary;
- The required buffer zone; and
- Each treatment unit; and
- The distance from each treatment unit to the property boundaries.

B. Buffer zone compliance method. Indicate how the buffer zone requirements will be met. Check all that apply.

- ☐ Ownership
- ☐ Restrictive easement
- ☐ Nuisance odor control
- ☐ Variance

C. Unsuitable site characteristics. Does the facility comply with the requirements regarding unsuitable site characteristic found in 30 TAC § 309.13(a) through (d)?

☐ Yes ☐ No

DOMESTIC WASTEWATER PERMIT APPLICATION

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

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

Attachment: Appendix D: SPIF Form

WATER QUALITY PERMIT

PAYMENT SUBMITTAL FORM

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

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

Mail this form and the check or money order to:

BY REGULAR U.S. MAIL

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

BY OVERNIGHT/EXPRESS MAIL

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

Fee Code: WQP **Waste Permit No:** WQ0010107001

1. Check or Money Order Number: Click to enter text.
2. Check or Money Order Amount: Click to enter text.
3. Date of Check or Money Order: Click to enter text.
4. Name on Check or Money Order: Click to enter text.
5. APPLICATION INFORMATION

   Name of Project or Site: City of Lamesa Wastewater Treatment Plant

   Physical Address of Project or Site: The treatment plant is located 1.3 miles southeast of the intersection of State Hwy 137 and Sulphur Springs Draw, southeast of Lamesa in Dawson County.

   If the check is for more than one application, attach a list which includes the name of each Project or Site (RE) and Physical Address, exactly as provided on the application.

Staple Check or Money Order in This Space

ATTACHMENT 1

INDIVIDUAL INFORMATION

Section 1. Individual Information (Instructions Page 41)

Complete this attachment if the facility applicant or co-applicant is an individual. Make additional copies of this attachment if both are individuals.

Prefix (Mr., Ms., Miss): Click to enter text.

Full legal name (Last Name, First Name, Middle Initial): Click to enter text.

Driver's License or State Identification Number: Click to enter text.

Date of Birth: Click to enter text.

Mailing Address: Click to enter text.

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

Phone Number: Click to enter text. Fax Number: Click to enter text.

E-mail Address: Click to enter text.

CN: Click to enter text.

For Commission Use Only:
Customer Number:
Regulated Entity Number:
Permit Number:

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST OF COMMON DEFICIENCIES

Below is a list of common deficiencies found during the administrative review of domestic wastewater permit applications. To ensure the timely processing of this application, please review the items below and indicate by checking Yes that each item is complete and in accordance applicable rules at 30 TAC Chapters 21, 281, and 305. If an item is not required this application, indicate by checking N/A where appropriate. Please do not submit the application until the items below have been addressed.

Core Data Form (TCEQ Form No. 10400) ☒ Yes
(Required for all application types. Must be completed in its entirety and signed. Note: Form may be signed by applicant representative.)

Correct and Current Industrial Wastewater Permit Application Forms ☒ Yes
(TCEQ Form Nos. 10053 and 10054. Version dated 6/25/2018 or later.)

Water Quality Permit Payment Submittal Form (Page 19) ☒ Yes
(Original payment sent to TCEQ Revenue Section. See instructions for mailing address.)

7.5 Minute USGS Quadrangle Topographic Map Attached ☒ Yes
(Full-size map if seeking "New" permit. 8 ½ x 11 acceptable for Renewals and Amendments)

Current/Non-Expired, Executed Lease Agreement or Easement ☒ N/A ☐ Yes

Landowners Map ☒ N/A ☐ Yes
(See instructions for landowner requirements)

Things to Know:

- All the items shown on the map must be labeled.
- The applicant's complete property boundaries must be delineated which includes boundaries of contiguous property owned by the applicant.
- The applicant cannot be its own adjacent landowner. You must identify the landowners immediately adjacent to their property, regardless of how far they are from the actual facility.
- If the applicant's property is adjacent to a road, creek, or stream, the landowners on the opposite side must be identified. Although the properties are not adjacent to applicant's property boundary, they are considered potentially affected landowners. If the adjacent road is a divided highway as identified on the USGS topographic map, the applicant does not have to identify the landowners on the opposite side of the highway.

Landowners Cross Reference List ☒ N/A ☐ Yes
(See instructions for landowner requirements)

Landowners Labels or USB Drive attached ☒ N/A ☐ Yes
(See instructions for landowner requirements)

Original signature per 30 TAC § 305.44 – Blue Ink Preferred ☒ Yes
(If signature page is not signed by an elected official or principle executive officer, a copy of signature authority/delegation letter must be attached)

Plain Language Summary ☒ Yes

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): Click to enter text.

2-Hr Peak Flow (MGD): Click to enter text.

Estimated construction start date: Click to enter text.

Estimated waste disposal start date: Click to enter text.

B. Interim II Phase

Design Flow (MGD): Click to enter text.

2-Hr Peak Flow (MGD): Click to enter text.

Estimated construction start date: Click to enter text.

Estimated waste disposal start date: Click to enter text.

C. Final Phase

Design Flow (MGD): 2.0

2-Hr Peak Flow (MGD): 5.5

Estimated construction start date: Click to enter text.

Estimated waste disposal start date: Click to enter text.

D. Current Operating Phase

Provide the startup date of the facility: 01/01/2009

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**.

The City of Lamesa Wastewater Treatment Facility is currently operating in its final phase and is an extended aeration WWTP. The plant consists of headworks with fine screening, vortex grit removal, an extended aeration basin, final clarification, UV disinfection and a belt filter for solids disposal.

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)
Screen(3mm)	1	16' x 3'
Vortex Grit Removal	1	10' x 12' Tall
Carrousel Aeration Basin (2MG)	1	180' x 115' x 16'
Final Clarifiers	2	60' x 14'
UV Disinfection	1	2' Channel, 32' Long

C. Process Flow Diagram

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

Attachment: Appendix E: Flow Diagram

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

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

- Latitude: 32.713573
- Longitude: -101.943213

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: Appendix F: Site Map

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

City of Lamesa

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
Lamesa Collection System	**City of Lamesa**	**Publicly Owned**	8,500

Section 4. Unbuilt Phases (Instructions Page 45)

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

N/A

Section 5. Closure Plans (Instructions Page 45)

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

N/A

Section 6. Permit Specific Requirements (Instructions Page 45)

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

A. Summary transmittal

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

☒ Yes ☐ No

If yes, provide the date(s) of approval for each phase: July 2006

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

N/A

B. Buffer zones

Have the buffer zone requirements been met?

☒ Yes ☐ No

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

N/A

C. Other actions required by the current permit

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

☐ Yes ☒ No

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

N/A

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.

Click to enter text.

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.

Click to enter text.

4. *Grease and decanted liquid disposal*

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

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

Click to enter text.

E. Stormwater management

1. *Applicability*

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

☒ Yes ☐ No

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

☐ Yes ☒ No

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

2. *MSGP coverage*

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

☐ Yes ☒ No

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

TXR05 Click to enter text. 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

See Appendix G

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	2.14	2.14	1	GRAB	7/18/23 @ 9:30
Total Suspended Solids, mg/l	8	8	1	GRAB	7/18/23 @ 9:30
Ammonia Nitrogen, mg/l	.0345	.0345	1	GRAB	7/18/23 @ 9:30
Nitrate Nitrogen, mg/l	.0293	.0293	1	GRAB	7/18/23 @ 9:30
Total Kjeldahl Nitrogen, mg/l	.632	.632	1	GRAB	7/18/23 @ 9:30
Sulfate, mg/l	197	197	1	GRAB	7/18/23 @ 9:30
Chloride, mg/l	391	391	1	GRAB	7/18/23 @ 9:30
Total Phosphorus, mg/l	2.97	2.97	1	GRAB	7/18/23 @ 9:30
pH, standard units	7.8	7.8	1	GRAB	7/18/23 @ 9:30
Dissolved Oxygen*, mg/l	9.65	9.65	1	GRAB	7/18/23 @ 9:30
Chlorine Residual, mg/l	.05	.05	1	GRAB	7/18/23 @ 9:30
E.coli (CFU/100ml) freshwater	1	1	1	GRAB	7/18/23 @ 9:30
Entercocci (CFU/100ml) saltwater	N/A	N/A	N/A	N/A	N/A
Total Dissolved Solids, mg/l	1170	1170	1	GRAB	7/18/23 @ 9:30
Electrical Conductivity, µmohs/cm, †	N/A	N/A	N/A	N/A	N/A
Oil & Grease, mg/l	1.57	1.57	1	GRAB	7/18/23 @ 9:30
Alkalinity ($CaCO_3$)*, mg/l	1360	1360	1	GRAB	7/18/23 @ 9:30

*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				
Total Dissolved Solids, mg/l					
pH, standard units					
Fluoride, mg/l					
Aluminum, mg/l					
Alkalinity ($CaCO_3$), mg/l					

Section 8. Facility Operator (Instructions Page 50)

Facility Operator Name: Dionicio Garza Jr.; Joe Hines; Manuel Vasquez

Facility Operator's License Classification and Level: B;B;C

Facility Operator's License Number: WW0071134;WW0035602;WW0071148

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	On-Site Owner or Operator	Bulk		Class B: PSRP Equivalency	Option 5: Aerobic process for 14 days at >40C

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: City of Lamesa MSW Landfill

TCEQ permit or registration number: RN105147581

County where disposal site is located: Dawson

E. Transportation method

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

Name of the hauler: City of Lamesa

Hauler registration number: N/A – Doesn't leave City owned land

Sludge is transported as a:

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

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

A. Beneficial use authorization

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

☐ Yes ☐ No

B. Sludge processing authorization

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

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

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

☐ Yes ☐ No

Section 11. Sewage Sludge Lagoons (Instructions Page 53)

Does this facility include sewage sludge lagoons?

☐ Yes ☒ No

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

A. Location information

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

- Original General Highway (County) Map:

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

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

  Attachment: Click to enter text.
- Site map:

  Attachment: Click to enter text.

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

☐ Overlap a designated 100-year frequency flood plain

☐ Soils with flooding classification

☐ Overlap an unstable area

☐ Wetlands

☐ Located less than 60 meters from a fault

☐ None of the above

Attachment: Click to enter text.

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

Click to enter text.

B. Temporary storage information

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

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

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

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

Phosphorus, mg/kg: Click to enter text.

Potassium, mg/kg: Click to enter text.

pH, standard units: Click to enter text.

Ammonia Nitrogen mg/kg: Click to enter text.

Arsenic: Click to enter text.

Cadmium: Click to enter text.

Chromium: Click to enter text.

Copper: Click to enter text.

Lead: Click to enter text.

Mercury: Click to enter text.

Molybdenum: Click to enter text.

Nickel: Click to enter text.

Selenium: Click to enter text.

Zinc: Click to enter text.

Total PCBs: Click to enter text.

Provide the following information:

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

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

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

C. Liner information

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

☐ Yes ☐ No

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

Click to enter text.

D. Site development plan

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

Click to enter text.

Attach the following documents to the application.

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

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

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

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

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

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

  Attachment: Click to enter text.

E. Groundwater monitoring

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

☐ Yes ☐ No

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

Attachment: Click to enter text.

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

A. Additional authorizations

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

☒ Yes ☐ No

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

R10107001. Authorization for reclaimed water; type II reclaimed water is authorized to be used in accordance with 30TAC 210.32

B. Permittee enforcement status

Is the permittee currently under enforcement for this facility?

☐ Yes ☒ No

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

☐ Yes ☒ No

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

N/A

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

A. RCRA hazardous wastes

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

☐ Yes ☒ No

B. Remediation activity wastewater

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

☐ Yes ☒ No

C. Details about wastes received

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

Attachment: Click to enter text.

Section 14. Laboratory Accreditation (Instructions Page 56)

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

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

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

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

CERTIFICATION:

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

Printed Name: Josh Stevens

Title: Mayor

Signature: _____

Date: _____

DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.1

N/A - Renewal

The following information is required for new and amendment major applications.

Section 1. Justification for Permit (Instructions Page 57)

A. Justification of permit need

Provide a detailed discussion regarding the need for any phase(s) not currently permitted. Failure to provide sufficient justification may result in the Executive Director recommending denial of the proposed phase(s) or permit.

Click to enter text.

B. Regionalization of facilities

For additional guidance, please review TCEQ's Regionalization Policy for Wastewater Treatment[1].

Provide the following information concerning the potential for regionalization of domestic wastewater treatment facilities:

1. *Municipally incorporated areas*

If the applicant is a city, then Item 1 is not applicable. Proceed to Item 2 Utility CCN areas.

Is any portion of the proposed service area located in an incorporated city?

☐ Yes ☐ No ☐ Not Applicable

If yes, within the city limits of: Click to enter text.

If yes, attach correspondence from the city.

Attachment: Click to enter text.

If consent to provide service is available from the city, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the city versus the cost of the proposed facility or expansion attached.

Attachment: Click to enter text.

2. *Utility CCN areas*

Is any portion of the proposed service area located inside another utility's CCN area?

☐ Yes ☐ No

[1] https://www.tceq.texas.gov/permitting/wastewater/tceq-regionalization-for-wastewater

If yes, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the CCN facilities versus the cost of the proposed facility or expansion.

Attachment: Click to enter text.

3. Nearby WWTPs or collection systems

Are there any domestic permitted wastewater treatment facilities or collection systems located within a three-mile radius of the proposed facility?

☐ Yes ☐ No

If yes, attach a list of these facilities and collection systems that includes each permittee's name and permit number, and an area map showing the location of these facilities and collection systems.

Attachment: Click to enter text.

If yes, attach proof of mailing a request for service to each facility and collection system, the letters requesting service, and correspondence from each facility and collection system.

Attachment: Click to enter text.

If the facility or collection system agrees to provide service, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the facility or collection system versus the cost of the proposed facility or expansion.

Attachment: Click to enter text.

Section 2. Proposed Organic Loading (Instructions Page 59)

Is this facility in operation?

☐ Yes ☐ No

If no, proceed to Item B, Proposed Organic Loading.

If yes, provide organic loading information in Item A, Current Organic Loading

A. Current organic loading

Facility Design Flow (flow being requested in application): Click to enter text.

Average Influent Organic Strength or BOD_5 Concentration in mg/l: Click to enter text.

Average Influent Loading (lbs/day = total average flow X average BOD_5 conc. X 8.34): Click to enter text.

Provide the source of the average organic strength or BOD_5 concentration.

Click to enter text.

B. Proposed organic loading

This table must be completed if this application is for a facility that is not in operation or if this application is to request an increased flow that will impact organic loading.

Table 1.1(1) – Design Organic Loading

Source	Total Average Flow (MGD)	Influent BOD5 Concentration (mg/l)
Municipality		
Subdivision		
Trailer park – transient		
Mobile home park		
School with cafeteria and showers		
School with cafeteria, no showers		
Recreational park, overnight use		
Recreational park, day use		
Office building or factory		
Motel		
Restaurant		
Hospital		
Nursing home		
Other		
TOTAL FLOW from all sources		
AVERAGE BOD_5 from all sources		

Section 3. Proposed Effluent Quality and Disinfection (Instructions Page 59)

A. Existing/Interim I Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: Click to enter text.

Total Suspended Solids, mg/l: Click to enter text.

Ammonia Nitrogen, mg/l: Click to enter text.

Total Phosphorus, mg/l: Click to enter text.

Dissolved Oxygen, mg/l: Click to enter text.

Other: Click to enter text.

B. Interim II Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: Click to enter text.

Total Suspended Solids, mg/l: Click to enter text.

Ammonia Nitrogen, mg/l: Click to enter text.

Total Phosphorus, mg/l: Click to enter text.

Dissolved Oxygen, mg/l: Click to enter text.

Other: Click to enter text.

C. Final Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: Click to enter text.

Total Suspended Solids, mg/l: Click to enter text.

Ammonia Nitrogen, mg/l: Click to enter text.

Total Phosphorus, mg/l: Click to enter text.

Dissolved Oxygen, mg/l: Click to enter text.

Other: Click to enter text.

D. Disinfection Method

Identify the proposed method of disinfection.

☐ Chlorine: Click to enter text. mg/l after Click to enter text. minutes detention time at peak flow

Dechlorination process: Click to enter text.

☐ Ultraviolet Light: Click to enter text. seconds contact time at peak flow

☐ Other: Click to enter text.

Section 4. Design Calculations (Instructions Page 59)

Attach design calculations and plant features for each proposed phase. Example 4 of the instructions includes sample design calculations and plant features.

Attachment: Click to enter text.

Section 5. Facility Site (Instructions Page 60)

A. 100-year floodplain

Will the proposed facilities be located above the 100-year frequency flood level?

☐ Yes ☐ No

If no, describe measures used to protect the facility during a flood event. Include a site map showing the location of the treatment plant within the 100-year frequency flood level. If applicable, provide the size and types of protective structures.

Click to enter text.

Provide the source(s) used to determine 100-year frequency flood plain.

Click to enter text.

For a new or expansion of a facility, will a wetland or part of a wetland be filled?

☐ Yes ☐ No

If yes, has the applicant applied for a US Corps of Engineers 404 Dredge and Fill Permit?

☐ Yes ☐ No

If yes, provide the permit number: Click to enter text.

If no, provide the approximate date you anticipate submitting your application to the Corps: Click to enter text.

B. Wind rose

Attach a wind rose: Click to enter text.

Section 6. Permit Authorization for Sewage Sludge Disposal (Instructions Page 60)

A. Beneficial use authorization

Are you requesting to include authorization to land apply sewage sludge for beneficial use on property located adjacent to the wastewater treatment facility under the wastewater permit?

☐ Yes ☐ No

If yes, attach the completed **Application for Permit for Beneficial Land Use of Sewage Sludge (TCEQ Form No. 10451)**: Click to enter text.

B. Sludge processing authorization

Identify the sludge processing, storage or disposal options that will be conducted at the wastewater treatment facility:

☐ Sludge Composting

☐ Marketing and Distribution of sludge

☐ Sludge Surface Disposal or Sludge Monofill

If any of the above, sludge options are selected, attach the completed **Domestic Wastewater Permit Application: Sewage Sludge Technical Report (TCEQ Form No. 10056)**: Click to enter text.

Section 7. Sewage Sludge Solids Management Plan (Instructions Page 61)

Attach a solids management plan to the application.

Attachment: Click to enter text.

The sewage sludge solids management plan must contain the following information:

- Treatment units and processes dimensions and capacities

- Solids generated at 100, 75, 50, and 25 percent of design flow
- Mixed liquor suspended solids operating range at design and projected actual flow
- Quantity of solids to be removed and a schedule for solids removal
- Identification and ownership of the ultimate sludge disposal site
- For facultative lagoons, design life calculations, monitoring well locations and depths, and the ultimate disposal method for the sludge from the facultative lagoon

An example of a sewage sludge solids management plan has been included as Example 5 of the instructions.

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: Sulphur Springs Draw

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.

N/A

D. Downstream characteristics

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

☐ Yes ☒ No

If yes, discuss how.

N/A

E. Normal dry weather characteristics

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

Stream remains dry and only flows during wet weather

Date and time of observation: 07/18/2023

Was the water body influenced by stormwater runoff during observations?

☐ Yes ☒ No

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

A. Upstream influences

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

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

B. Waterbody uses

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

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

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 2.1: STREAM PHYSICAL CHARACTERISTICS

Required for new applications, major facilities, and applications adding an outfall. N/A - Renewal

Worksheet 2.1 is not required for discharges to intermittent streams or discharges directly to (or within 300 feet of) a classified segment.

Section 1. General Information (Instructions Page 66)

Date of study: Click to enter text. Time of study: Click to enter text.

Stream name: Click to enter text.

Location: Click to enter text.

Type of stream upstream of existing discharge or downstream of proposed discharge (check one).

☐ Perennial ☐ Intermittent with perennial pools

Section 2. Data Collection (Instructions Page 66)

Number of stream bends that are well defined: Click to enter text.

Number of stream bends that are moderately defined: Click to enter text.

Number of stream bends that are poorly defined: Click to enter text.

Number of riffles: Click to enter text.

Evidence of flow fluctuations (check one):

☐ Minor ☐ moderate ☐ severe

Indicate the observed stream uses and if there is evidence of flow fluctuations or channel obstruction/modification.

Click to enter text.

Stream transects

In the table below, provide the following information for each transect downstream of the existing or proposed discharges. Use a separate row for each transect.

Table 2.1(1) - Stream Transect Records

Stream type at transect Select riffle, run, glide, or pool. See Instructions, Definitions section.	**Transect location**	**Water surface width (ft)**	**Stream depths (ft)** at 4 to 10 points along each transect from the channel bed to the water surface. Separate the measurements with commas.
Choose an item.			
Choose an item.			
Choose an item.			
Choose an item.			
Choose an item.			
Choose an item.			
Choose an item.			
Choose an item.			
Choose an item.			
Choose an item.			

Section 3. Summarize Measurements (Instructions Page 66)

Streambed slope of entire reach, from USGS map in feet/feet: Click to enter text.

Approximate drainage area above the most downstream transect (from USGS map or county highway map, in square miles): Click to enter text.

Length of stream evaluated, in feet: Click to enter text.

Number of lateral transects made: Click to enter text.

Average stream width, in feet: Click to enter text.

Average stream depth, in feet: Click to enter text.

Average stream velocity, in feet/second: Click to enter text.

Instantaneous stream flow, in cubic feet/second: Click to enter text.

Indicate flow measurement method (type of meter, floating chip timed over a fixed distance, etc.): Click to enter text.

Size of pools (large, small, moderate, none): Click to enter text.

Maximum pool depth, in feet: Click to enter text.

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 3.0: LAND DISPOSAL OF EFFLUENT

N/A - TPDES

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

Section 1. Type of Disposal System (Instructions Page 68)

Identify the method of land disposal:

- ☐ Surface application
- ☐ Irrigation
- ☐ Drip irrigation system
- ☐ Evaporation
- ☐ Subsurface application
- ☐ Subsurface soils absorption
- ☐ Subsurface area drip dispersal system
- ☐ Evapotranspiration beds
- ☐ Other (describe in detail): Click to enter text.

NOTE: All applicants without authorization or proposing new/amended subsurface disposal MUST complete and submit Worksheet 7.0.

For existing authorizations, provide Registration Number: Click to enter text.

Section 2. Land Application Site(s) (Instructions Page 68)

In table 3.0(1), provide the requested information for the land application sites. Include the agricultural or cover crop type (wheat, cotton, alfalfa, bermuda grass, native grasses, etc.), land use (golf course, hayland, pastureland, park, row crop, etc.), irrigation area, amount of effluent applied, and whether or not the public has access to the area. Specify the amount of land area and the amount of effluent that will be allotted to each agricultural or cover crop, if more than one crop will be used.

Table 3.0(1) – Land Application Site Crops

Crop Type & Land Use	Irrigation Area (acres)	Effluent Application (GPD)	Public Access? Y/N

Section 3. Storage and Evaporation Lagoons/Ponds (Instructions Page 68)

Table 3.0(2) – Storage and Evaporation Ponds

Pond Number	Surface Area (acres)	Storage Volume (acre-feet)	Dimensions	Liner Type

Attach a copy of a liner certification that was prepared, signed, and sealed by a Texas licensed professional engineer for each pond.

Attachment: Click to enter text.

Section 4. Flood and Runoff Protection (Instructions Page 68)

Is the land application site within the 100-year frequency flood level?

☐ Yes ☐ No

If yes, describe how the site will be protected from inundation.

Click to enter text.

Provide the source used to determine the 100-year frequency flood level:

Click to enter text.

Provide a description of tailwater controls and rainfall run-on controls used for the land application site.

Click to enter text.

Section 5. Annual Cropping Plan (Instructions Page 68)

Attach an Annual Cropping Plan which includes a discussion of each of the following items. If not applicable, provide a detailed explanation indicating why. **Attachment**: Click to enter text.

- Soils map with crops
- Cool and warm season plant species
- Crop yield goals
- Crop growing season
- Crop nutrient requirements
- Additional fertilizer requirements
- Minimum/maximum harvest height (for grass crops)
- Supplemental watering requirements
- Crop salt tolerances
- Harvesting method/number of harvests
- Justification for not removing existing vegetation to be irrigated

Section 6. Well and Map Information (Instructions Page 69)

Attach a USGS map with the following information shown and labeled. If not applicable, provide a detailed explanation indicating why. **Attachment**: Click to enter text.

- The boundaries of the land application site(s)
- Waste disposal or treatment facility site(s)
- On-site buildings
- Buffer zones
- Effluent storage and tailwater control facilities
- All water wells within 1-mile radius of the disposal site or property boundaries
- All springs and seeps onsite and within 500 feet of the property boundaries
- All surface waters in the state onsite and within 500 feet of the property boundaries
- All faults and sinkholes onsite and within 500 feet of the property

List and cross reference all water wells located within a half-mile radius of the disposal site or property boundaries shown on the USGS map in the following table. Attach additional pages as necessary to include all of the wells.

Table 3.0(3) – Water Well Data

Well ID	Well Use	Producing? Y/N	Open, cased, capped, or plugged?	Proposed Best Management Practice
			Choose an item.	
			Choose an item.	
			Choose an item.	
			Choose an item.	
			Choose an item.	

If water quality data or well log information is available please include the information in an attachment listed by Well ID.

Attachment: Click to enter text.

Section 7. Groundwater Quality (Instructions Page 69)

Attach a Groundwater Quality Technical Report which assesses the impact of the wastewater disposal system on groundwater. This report shall include an evaluation of the water wells (including the information in the well table provided in Item 6. above), the wastewater application rate, and pond liners. Indicate by a check mark that this report is provided.

Attachment: Click to enter text.

Are groundwater monitoring wells available onsite? ☐ Yes ☐ No

Do you plan to install ground water monitoring wells or lysimeters around the land application site? ☐ Yes ☐ No

If yes, provide the proposed location of the monitoring wells or lysimeters on a site map.

Attachment: Click to enter text.

Section 8. Soil Map and Soil Analyses (Instructions Page 70)

A. Soil map

Attach a USDA Soil Survey map that shows the area to be used for effluent disposal.

Attachment: Click to enter text.

B. Soil analyses

Attach the laboratory results sheets from the soil analyses. **Note**: for renewal applications, the current annual soil analyses required by the permit are acceptable as long as the test date is less than one year prior to the submission of the application.

Attachment: Click to enter text.

List all USDA designated soil series on the proposed land application site. Attach additional pages as necessary.

Table 3.0(4) – Soil Data

Soil Series	Depth from Surface	Permeability	Available Water Capacity	Curve Number

Section 9. Effluent Monitoring Data (Instructions Page 71)

Is the facility in operation?

☐ Yes ☐ No

If no, this section is not applicable and the worksheet is complete.

If yes, provide the effluent monitoring data for the parameters regulated in the existing permit. If a parameter is not regulated in the existing permit, enter N/A.

Table 3.0(5) – Effluent Monitoring Data

Date	30 Day Avg Flow MGD	BOD5 mg/l	TSS mg/l	pH	Chlorine Residual mg/l	Acres irrigated

Provide a discussion of all persistent excursions above the permitted limits and any corrective actions taken.

Click to enter text.

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 3.1: SURFACE LAND DISPOSAL OF EFFLUENT

The following is required for new and major amendment permit applications. Renewal and minor amendment permit applications may be asked for this worksheet on a case by case basis.

N/A - Renewal

Section 1. Surface Disposal (Instructions Page 72)

Complete the item that applies for the method of disposal being used.

A. Irrigation

Area under irrigation, in acres: Click to enter text.

Design application frequency:

hours/day Click to enter text. **And** days/week Click to enter text.

Land grade (slope):

average percent (%): Click to enter text.

maximum percent (%): Click to enter text.

Design application rate in acre-feet/acre/year: Click to enter text.

Design total nitrogen loading rate, in lbs N/acre/year: Click to enter text.

Soil conductivity (mmhos/cm): Click to enter text.

Method of application: Click to enter text.

Attach a separate engineering report with the water balance and storage volume calculations, method of application, irrigation efficiency, and nitrogen balance.

Attachment: Click to enter text.

B. Evaporation ponds

Daily average effluent flow into ponds, in gallons per day: Click to enter text.

Attach a separate engineering report with the water balance and storage volume calculations.

Attachment: Click to enter text.

C. Evapotranspiration beds

Number of beds: Click to enter text.

Area of bed(s), in acres: Click to enter text.

Depth of bed(s), in feet: Click to enter text.

Void ratio of soil in the beds: Click to enter text.

Storage volume within the beds, in acre-feet: Click to enter text.

Attach a separate engineering report with the water balance and storage volume calculations, and a description of the lining.

Attachment: Click to enter text.

D. Overland flow

Area used for application, in acres: Click to enter text.

Slopes for application area, percent (%): Click to enter text.

Design application rate, in gpm/foot of slope width: Click to enter text.

Slope length, in feet: Click to enter text.

Design BOD_5 loading rate, in lbs BOD_5/acre/day: Click to enter text.

Design application frequency:

hours/day: Click to enter text. **And** days/week: Click to enter text.

Attach a separate engineering report with the method of application and design requirements according to *30 TAC Chapter 217*.

Attachment: Click to enter text.

Section 2. Edwards Aquifer (Instructions Page 73)

Is the facility subject to *30 TAC Chapter 213*, Edwards Aquifer Rules?

☐ Yes ☐ No

If **yes**, is the facility located on the Edwards Aquifer Recharge Zone?

☐ Yes ☐ No

If yes, attach a geological report addressing potential recharge features.

Attachment: Click to enter text.

N/A - Renewal

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 3.2: SURFACE LAND DISPOSAL OF EFFLUENT

The following **is required** for **new and major amendment** permit applications. Renewal and minor amendments applicants may be asked for the worksheet on a case by case basis.

NOTE: All applicants proposing new/amended subsurface disposal MUST complete and submit Worksheet 7.0. This worksheet applies to any subsurface disposal system that **does not meet** the definition of a subsurface area drip dispersal system as defined in *30 TAC Chapter 222, Subsurface Area Drip Dispersal System.*

Section 1. Subsurface Application (Instructions Page 74)

Identify the type of system:

- ☐ Conventional Gravity Drainfield, Beds, or Trenches (new systems must be less than 5,000 GPD)
- ☐ Low Pressure Dosing
- ☐ Other, specify: Click to enter text.

Application area, in acres: Click to enter text.

Area of drainfield, in square feet: Click to enter text.

Application rate, in gal/square foot/day: Click to enter text.

Depth to groundwater, in feet: Click to enter text.

Area of trench, in square feet: Click to enter text.

Dosing duration per area, in hours: Click to enter text.

Number of beds: Click to enter text.

Dosing amount per area, in inches/day: Click to enter text.

Infiltration rate, in inches/hour: Click to enter text.

Storage volume, in gallons: Click to enter text.

Area of bed(s), in square feet: Click to enter text.

Soil Classification: Click to enter text.

Attach a separate engineering report with the information required in *30 TAC § 309.20,* excluding the requirements of *§* 309.20 b(3)(A) and (B) design analysis which may be asked for on a case by case basis. Include a description of the schedule of dosing basin rotation.

Attachment: Click to enter text.

Section 2. Edwards Aquifer (Instructions Page 74)

Is the subsurface system over the Edwards Aquifer Recharge Zone as mapped by TCEQ?

☐ Yes ☐ No

Is the subsurface system over the Edwards Aquifer Transition Zone as mapped by TCEQ?

☐ Yes ☐ No

If yes to either question, the subsurface system may be prohibited by *30 TAC §213.8*. Please call the Municipal Permits Team, at 512-239-4671, to schedule a pre-application meeting.

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 3.3: SUBSURFACE AREA DRIP DISPERSAL (SADDS) LAND DISPOSAL OF EFFLUENT

N/A - Renewal

The following **is required** for **new and major amendment** subsurface area drip dispersal system permit applications. Renewal and minor amendments applicants may be asked for the worksheet on a case by case basis.

NOTE: All applicants proposing new/amended subsurface disposal MUST complete and submit Worksheet 7.0. This worksheet applies to any subsurface disposal system that **meets** the definition of a subsurface area drip dispersal system as defined in *30 TAC Chapter 222, Subsurface Area Drip Dispersal System.*

Section 1. Administrative Information (Instructions Page 75)

A. Provide the legal name of all corporations or other business entities managed, owned, or otherwise closely related to the owner of the treatment facility:

B. Click to enter text. Is the owner of the land where the treatment facility is located the same as the owner of the treatment facility?

☐ Yes ☐ No

If **no**, provide the legal name of all corporations or other business entities managed, owned, or otherwise closely related to the owner of the land where the treatment facility is located.

Click to enter text.

C. Owner of the subsurface area drip dispersal system: Click to enter text.

D. Is the owner of the subsurface area drip dispersal system the same as the owner of the wastewater treatment facility or the site where the wastewater treatment facility is located?

☐ Yes ☐ No

If **no**, identify the names of all corporations or other business entities managed, owned, or otherwise closely related to the entity identified in Item 1.C.

Click to enter text.

E. Owner of the land where the subsurface area drip dispersal system is located: Click to enter text.

F. Is the owner of the land where the subsurface area drip dispersal system is located the same as owner of the wastewater treatment facility, the site where the wastewater treatment facility is located, or the owner of the subsurface area drip dispersal system?

☐ Yes ☐ No

If **no**, identify the name of all corporations or other business entities managed, owned, or otherwise closely related to the entity identified in item 1.E.

Click to enter text.

Section 2. Subsurface Area Drip Dispersal System (Instructions Page 75)

A. Type of system

☐ Subsurface Drip Irrigation

☐ Surface Drip Irrigation

☐ Other, specify: Click to enter text.

B. Irrigation operations

Application area, in acres: Click to enter text.

Infiltration Rate, in inches/hour: Click to enter text.

Average slope of the application area, percent (%): Click to enter text.

Maximum slope of the application area, percent (%): Click to enter text.

Storage volume, in gallons: Click to enter text.

Major soil series: Click to enter text.

Depth to groundwater, in feet: Click to enter text.

C. Application rate

Is the facility located **west** of the boundary shown in *30 TAC § 222.83* **and** also using a vegetative cover of non-native grasses over seeded with cool season grasses during the winter months (October-March)?

☐ Yes ☐ No

If yes, then the facility may propose a hydraulic application rate not to exceed 0.1 gal/square foot/day.

Is the facility located **east** of the boundary shown in *30 TAC § 222.83* **or** in any part of the state when the vegetative cover is any crop other than non-native grasses?

☐ Yes ☐ No

If **yes**, the facility must use the formula in *30 TAC §222.83* to calculate the maximum hydraulic application rate.

Do you plan to submit an alternative method to calculate the hydraulic application rate for approval by the executive director?

☐ Yes ☐ No

Hydraulic application rate, in gal/square foot/day: Click to enter text.

Nitrogen application rate, in lbs/gal/day: Click to enter text.

D. Dosing information

Number of doses per day: Click to enter text.

Dosing duration per area, in hours: Click to enter text.

Rest period between doses, in hours: Click to enter text.

Dosing amount per area, in inches/day: Click to enter text.

Number of zones: Click to enter text.

Does the proposed subsurface drip irrigation system use tree vegetative cover as a crop?

☐ Yes ☐ No

If **yes**, provide a vegetation survey by a certified arborist. Please call the Water Quality Assessment Team at (512) 239-4671 to schedule a pre-application meeting.

Attachment: Click to enter text.

Section 3. Required Plans (Instructions Page 75)

A. Recharge feature plan

Attach a Recharge Feature Plan with all information required in *30 TAC §222.79*.

Attachment: Click to enter text.

B. Soil evaluation

Attach a Soil Evaluation with all information required in *30 TAC §222.73*.

Attachment: Click to enter text.

C. Site preparation plan

Attach a Site Preparation Plan with all information required in *30 TAC §222.75*.

Attachment: Click to enter text.

D. Soil sampling/testing

Attach soil sampling and testing that includes all information required in *30 TAC §222.157*.

Attachment: Click to enter text.

Section 4. Floodway Designation (Instructions Page 76)

A. Site location

Is the existing/proposed land application site within a designated floodway?

☐ Yes ☐ No

B. Flood map

Attach either the FEMA flood map or alternate information used to determine the floodway.

Attachment: Click to enter text.

Section 5. Surface Waters in the State (Instructions Page 76)

A. Buffer Map

Attach a map showing appropriate buffers on surface waters in the state, water wells, and springs/seeps.

Attachment: Click to enter text.

B. Buffer variance request

Do you plan to request a buffer variance from water wells or waters in the state?

☐ Yes ☐ No

If yes, then attach the additional information required in *30 TAC § 222.81(c).*

Attachment: Click to enter text.

Section 6. Edwards Aquifer (Instructions Page 76)

A. Is the SADDS located over the Edwards Aquifer Recharge Zone as mapped by TCEQ?

☐ Yes ☐ No

B. Is the SADDS located over the Edwards Aquifer Transition Zone as mapped by TCEQ?

☐ Yes ☐ No

If yes to either question, then the SADDS may be prohibited by *30 TAC §213.8*. Please call the Municipal Permits Team at 512-239-4671 to schedule a pre-application meeting.

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. See Appendix G

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: 07/18/2023 @ 9:30

Table 4.0(1) – Toxics Analysis

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acrylonitrile	14.3	14.3	1	50
Aldrin	.00113	.00113	1	0.01
Aluminum	.0842	.0842	1	2.5
Anthracene	1.5	1.5	1	10
Antimony	1.05	1.05	1	5
Arsenic	5.2	5.2	1	0.5
Barium	93	93	1	3
Benzene	.46	.46	1	10
Benzidine	4.8	4.8	1	50
Benzo(a)anthracene	.173	.173	1	5
Benzo(a)pyrene	.364	.364	1	5
Bis(2-chloroethyl)ether	2.16	2.16	1	10
Bis(2-ethylhexyl)phthalate	.277	.277	1	10
Bromodichloromethane	.552	.552	1	10
Bromoform	.633	.633	1	10
Cadmium	.085	.085	1	1
Carbon Tetrachloride	.896	.896	1	2
Carbaryl	1.85	1.85	1	5
Chlordane*	.103	.103	1	0.2
Chlorobenzene	.530	.530	1	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Chlorodibromomethane	.547	.547	1	10
Chloroform	.643	.643	1	10
Chlorpyrifos	N/A	N/A	N/A	0.05
Chromium (Total)	.392	.392	1	3
Chromium (Tri) **(*1)**	<2	<2	1	N/A
Chromium (Hex)	2	2	1	3
Copper	5.47	5.47	1	2
Chrysene	.222	.222	1	5
p-Chloro-m-Cresol	1.57	1.57	1	10
4,6-Dinitro-o-Cresol	1.44	1.44	1	50
p-Cresol	2.62	2.62	1	10
Cyanide **(*2)**	2.13	2.13	1	10
4,4'- DDD	.000814	.000814	1	0.1
4,4'- DDE	.00109	.00109	1	0.1
4,4'- DDT	.00379	.00379	1	0.02
2,4-D	.0541	.0541	1	0.7
Demeton (O and S)	N/A	N/A	N/A	0.20
Diazinon	N/A	N/A	N/A	0.5/0.1
1,2-Dibromoethane	.999	.999	1	10
m-Dichlorobenzene	.513	.513	1	10
o-Dichlorobenzene	.509	.509	1	10
p-Dichlorobenzene	.513	.513	1	10
3,3'-Dichlorobenzidine	.341	.341	1	5
1,2-Dichloroethane	.59	.59	1	10
1,1-Dichloroethylene	.738	.738	1	10
Dichloromethane	1.73	1.73	1	20
1,2-Dichloropropane	.667	.667	1	10
1,3-Dichloropropene	1.27	1.27	1	10
Dicofol	.05	.05	1	1
Dieldrin	.000953	.000953	1	0.02
2,4-Dimethylphenol	.649	.649	1	10
Di-n-Butyl Phthalate	.252	.252	1	10
Diuron	.166	.166	1	0.09

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Endosulfan I (alpha)	.00107	.00107	1	0.01
Endosulfan II (beta)	.00122	.00122	1	0.02
Endosulfan Sulfate	.00112	.00112	1	0.1
Endrin	.00156	.00156	1	0.02
Ethylbenzene	.411	.411	1	10
Fluoride	93.1	93.1	1	500
Guthion	N/A	N/A	N/A	0.1
Heptachlor	.00446	.00446	1	0.01
Heptachlor Epoxide	.00134	.00134	1	0.01
Hexachlorobenzene	.307	.307	1	5
Hexachlorobutadiene	1.26	1.26	1	10
Hexachlorocyclohexane (alpha)	.00142	.00142	1	0.05
Hexachlorocyclohexane (beta)	.00245	.00245	1	0.05
gamma-Hexachlorocyclohexane (Lindane)	.00299	.00299	1	0.05
Hexachlorocyclopentadiene	4.58	4.58	1	10
Hexachloroethane	.526	.526	1	20
Hexachlorophene	10	10	1	10
Lead	.537	.537	1	0.5
Malathion	N/A	N/A	N/A	0.1
Mercury	.0525	.0525	1	0.005
Methoxychlor	.0039	.0039	1	2
Methyl Ethyl Ketone	8.28	8.28	1	50
Mirex	.02	.02	1	0.02
Nickel	1.7	1.7	1	2
Nitrate-Nitrogen	20.8	20.8	1	100
Nitrobenzene	1.66	1.66	1	10
N-Nitrosodiethylamine	2.02	2.02	1	20
N-Nitroso-di-n-Butylamine	1.49	1.49	1	20
Nonylphenol	N/A	N/A	N/A	333
Parathion (ethyl)	N/A	N/A	N/A	0.1
Pentachlorobenzene	1.07	1.07	1	20
Pentachlorophenol	.234	.234	1	5

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Phenanthrene	1.42	1.42	1	10
Polychlorinated Biphenyls (PCB's) **(*3)**	.1	.1	1	0.2
Pyridine	2.64	2.64	1	20
Selenium	.685	.685	1	5
Silver	.118	.118	1	0.5
1,2,4,5-Tetrachlorobenzene	1.32	1.32	1	20
1,1,2,2-Tetrachloroethane	.47	.47	1	10
Tetrachloroethylene	.801	.801	1	10
Thallium	.096	.096	1	0.5
Toluene	.475	.475	1	10
Toxaphene	.0769	.0769	1	0.3
2,4,5-TP (Silvex)	.0424	.0424	1	0.3
Tributyltin (see instructions for explanation)	N/A	N/A	N/A	0.01
1,1,1-Trichloroethane	1.69	1.69	1	10
1,1,2-Trichloroethane	.511	.511	1	10
Trichloroethylene	.791	.791	1	10
2,4,5-Trichlorophenol	2	2	1	50
TTHM (Total Trihalomethanes)	.643	.643	1	10
Vinyl Chloride	.638	.638	1	10
Zinc	68.3	68.3	1	5

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

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

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

Section 2. Priority Pollutants

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

Grab ☐ Composite ☐

Date and time sample(s) collected: 07/18/2023 9:30

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	1.05	1.05	1	5
Arsenic	5.2	5.2	1	0.5
Beryllium	.148	.148	1	0.5
Cadmium	.0850	.0850	1	1
Chromium (Total)	.392	.392	1	3
Chromium (Hex)	.2	.2	1	3
Chromium (Tri) **(*1)**	<2	<2	1	N/A
Copper	5.47	5.47	1	2
Lead	5.37	5.37	1	0.5
Mercury	.0525	.0525	1	0.005
Nickel	1.7	1.7	1	2
Selenium	.685	.685	1	5
Silver	.118	.118	1	0.5
Thallium	.096	.096	1	0.5
Zinc	68.3	68.3	1	5
Cyanide **(*2)**	2.13	2.13	1	10
Phenols, Total	N/A	N/A	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	11.1	11.1	1	50
Acrylonitrile	14.3	14.3	1	50
Benzene	.460	.460	1	10
Bromoform	.633	.633	1	10
Carbon Tetrachloride	.896	.896	1	2
Chlorobenzene	.530	.530	1	10
Chlorodibromomethane	.547	.547	1	10
Chloroethane	1.98	1.98	1	50
2-Chloroethylvinyl Ether	2.52	2.52	1	10
Chloroform	.643	.643	1	10
Dichlorobromomethane [Bromodichloromethane]	1.42	1.42	1	10
1,1-Dichloroethane	.635	.635	1	10
1,2-Dichloroethane	.590	.590	1	10
1,1-Dichloroethylene	.738	.738	1	10
1,2-Dichloropropane	.667	.667	1	10
1,3-Dichloropropylene [1,3-Dichloropropene]	1.27	1.27	1	10
1,2-Trans-Dichloroethylene	.945	.945	1	10
Ethylbenzene	.411	.411	1	10
Methyl Bromide	1.42	1.42	1	50
Methyl Chloride	2.04	2.04	1	50
Methylene Chloride	1.73	1.73	1	20
1,1,2,2-Tetrachloroethane	.47	.47	1	10
Tetrachloroethylene	.801	.801	1	10
Toluene	.475	.475	1	10
1,1,1-Trichloroethane	1.69	1.69	1	10
1,1,2-Trichloroethane	.511	.511	1	10
Trichloroethylene	.791	.791	1	10
Vinyl Chloride	.638	.638	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	.649	.649	1	10
2,4-Dichlorophenol	.314	.314	1	10
2,4-Dimethylphenol	N/A	N/A	N/A	10
4,6-Dinitro-o-Cresol	1.44	1.44	1	50
2,4-Dinitrophenol	.499	.499	1	50
2-Nitrophenol	1.67	1.67	1	20
4-Nitrophenol	4.91	4.91	1	50
P-Chloro-m-Cresol	1.57	1.57	1	10
Pentalchlorophenol	.234	.234	1	5
Phenol	.423	.423	1	10
2,4,6-Trichlorophenol	1.42	1.42	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	1.39	1.39	1	10
Acenaphthylene	1.41	1.41	1	10
Anthracene	1.5	1.5	1	10
Benzidine	4.8	4.8	1	50
Benzo(a)Anthracene	.173	.173	1	5
Benzo(a)Pyrene	.364	.364	1	5
3,4-Benzofluoranthene	2.04	2.04	1	10
Benzo(ghi)Perylene	2.68	2.68	1	20
Benzo(k)Fluoranthene	.375	.376	1	5
Bis(2-Chloroethoxy)Methane	1.76	1.76	1	10
Bis(2-Chloroethyl)Ether	2.16	2.16	1	10
Bis(2-Chloroisopropyl)Ether	N/A	N/A	N/A	10
Bis(2-Ethylhexyl)Phthalate	.277	.277	1	10
4-Bromophenyl Phenyl Ether	.256	.256	1	10
Butyl benzyl Phthalate	.337	.337	1	10
2-Chloronaphthalene	.462	.462	1	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
4-Chlorophenyl phenyl ether	1.28	1.28	1	10
Chrysene	.222	.222	1	5
Dibenzo(a,h)Anthracene	.246	.246	1	5
1,2-(o)Dichlorobenzene	.509	.509	1	10
1,3-(m)Dichlorobenzene	.513	.513	1	10
1,4-(p)Dichlorobenzene	.513	.513	1	10
3,3-Dichlorobenzidine	.341	.341	1	5
Diethyl Phthalate	1.59	1.59	1	10
Dimethyl Phthalate	.229	.229	1	10
Di-n-Butyl Phthalate	N/A	N/A	N/A	10
2,4-Dinitrotoluene	1.31	1.31	1	10
2,6-Dinitrotoluene	1.61	1.61	1	10
Di-n-Octyl Phthalate	.373	.373	1	10
1,2-Diphenylhydrazine (as Azo-benzene)	1.49	1.49	1	20
Fluoranthene	1.59	1.59	1	10
Fluorene	1.63	1.63	1	10
Hexachlorobenzene	.307	.307	1	5
Hexachlorobutadiene	.238	.238	1	10
Hexachlorocyclo-pentadiene	4.58	4.58	1	10
Hexachloroethane	.526	.526	1	20
Indeno(1,2,3-cd)pyrene	2.29	2.29	1	5
Isophorone	1.64	1.64	1	10
Naphthalene	.542	.542	1	10
Nitrobenzene	1.66	1.66	1	10
N-Nitrosodimethylamine	2.02	2.02	1	50
N-Nitrosodi-n-Propylamine	2.88	2.88	1	20
N-Nitrosodiphenylamine	1.81	1.81	1	20
Phenanthrene	1.42	1.42	1	10
Pyrene	.178	.178	1	10
1,2,4-Trichlorobenzene	.161	.161	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	.00113	.00113	1	0.01
alpha-BHC (Hexachlorocyclohexane)	.00142	.00142	1	0.05
beta-BHC (Hexachlorocyclohexane)	.00389	.00389	1	0.05
gamma-BHC (Hexachlorocyclohexane)	.00299	.00299	1	0.05
delta-BHC (Hexachlorocyclohexane)	.00245	.00245	1	0.05
Chlordane	1.03	1.03	1	0.2
4,4-DDT	.00379	.00379	1	0.02
4,4-DDE	.00109	.00109	1	0.1
4,4,-DDD	.000814	.000518	1	0.1
Dieldrin	.000953	.000953	1	0.02
Endosulfan I (alpha)	.00107	.00107	1	0.01
Endosulfan II (beta)	.00122	.00122	1	0.02
Endosulfan Sulfate	.00112	.00112	1	0.1
Endrin	.00156	.00156	1	0.02
Endrin Aldehyde	.00117	.00117	1	0.1
Heptachlor	.00446	.00446	1	0.01
Heptachlor Epoxide	.00134	.00134	1	0.01
PCB-1242	.0125	.0125	1	0.2
PCB-1254	.0078	.0078	1	0.2
PCB-1221	.0125	.0125	1	0.2
PCB-1232	.0125	.0125	1	0.2
PCB-1248	.0125	.0125	1	0.2
PCB-1260	.0078	.0078	1	0.2
PCB-1016	.0125	.0125	1	0.2
Toxaphene	.0769	.0769	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: Click to enter text.

48-hour Acute: 20

Section 2. Toxicity Reduction Evaluations (TREs)

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

☐ Yes ☒ No

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

N/A

Section 3. Summary of WET Tests

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

Table 5.0(1) Summary of WET Tests

Test Date	Test Species	NOEC Survival	NOEC Sub-lethal
2/19/2019	*Daphnia pulex* *Pimephales promelas*	100	
5/21/2019	*Daphnia pulex* *Pimephales promelas*	100	
8/20/2019	*Daphnia pulex* *Pimephales promelas*	100	
11/19/2019	*Daphnia pulex* *Pimephales promelas*	100	
2/18/2020	*Daphnia pulex* *Pimephales promelas*	100	
5/19/2020	*Daphnia pulex* *Pimephales promelas*	100	
8/18/2020	*Daphnia pulex* *Pimephales promelas*	100	
11/17/2020	*Daphnia pulex* *Pimephales promelas*	100	
3/30/2021	*Daphnia pulex* *Pimephales promelas*	100	
5/18/2021	*Daphnia pulex* *Pimephales promelas*	100	
8/17/2021	*Daphnia pulex* *Pimephales promelas*	100	
11/23/2021	*Daphnia pulex* *Pimephales promelas*	100	
2/15/2022	*Daphnia pulex*	100	

Test Date	Test Species	NOEC Survival	NOEC Sub-lethal
	Pimephales promelas		
5/18/2022	*Daphnia pulex* *Pimephales promelas*	100	
8/17/2022	*Daphnia pulex* *Pimephales promelas*	100	
11/16/2022	*Daphnia pulex* *Pimephales promelas*	100	
2/15/2023	*Daphnia pulex* *Pimephales promelas*	100	
5/10/2023	*Daphnia pulex* *Pimephales promelas*	100	

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 6.0: INDUSTRIAL WASTE CONTRIBUTION

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

Section 1. All POTWs (Instructions Page 89)

A. Industrial users (IUs)

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

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

Categorical IUs:

Number of IUs: 0

Average Daily Flows, in MGD: N/A

Significant IUs – non-categorical:

Number of IUs: 0

Average Daily Flows, in MGD: N/A

Other IUs:

Number of IUs: 0

Average Daily Flows, in MGD: N/A

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				

D. Industrial user interruptions

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

☐ Yes ☐ No

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

N/A

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

A. General information

Company Name: N/A – No Industrial Users

SIC Code: Click to enter text.

Contact name: Click to enter text.

Address: Click to enter text.

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

Telephone number: Click to enter text.

Email address: Click to enter text.

B. Process information

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

N/A

C. Product and service information

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

N/A

D. Flow rate information

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

Process Wastewater:

Discharge, in gallons/day: N/A

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

Non-Process Wastewater:

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

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

E. Pretreatment standards

Is the SIU or CIU subject to technically based local limits as defined in the *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: Subcategories: N/A

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

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

F. Industrial user interruptions

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

☐ Yes ☐ No

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

N/A

WORKSHEET 7.0

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

CLASS V INJECTION WELL INVENTORY/AUTHORIZATION FORM

Submit the completed form to:

TCEQ
IUC Permits Team
Radioactive Materials Division
MC-233
PO Box 13087
Austin, Texas 78711-3087
512-239-6466

For TCEQ Use Only
Reg. No._____
Date Received_____
Date Authorized_____

N/A - TPDES

Section 1. General Information (Instructions Page 92)

1. TCEQ Program Area

Program Area (PST, VCP, IHW, etc.): Click to enter text.

Program ID: Click to enter text.

Contact Name: Click to enter text.

Phone Number: Click to enter text.

2. Agent/Consultant Contact Information

Contact Name: Click to enter text.

Address: Click to enter text.

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

Phone Number: Click to enter text.

3. Owner/Operator Contact Information

☐ Owner ☐ Operator

Owner/Operator Name: Click to enter text.

Contact Name: Click to enter text.

Address: Click to enter text.

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

Phone Number: Click to enter text.

4. Facility Contact Information

Facility Name: Click to enter text.

Address: Click to enter text.

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

Location description (if no address is available): Click to enter text.

Facility Contact Person: Click to enter text.

Phone Number: Click to enter text.

5. **Latitude and Longitude, in degrees-minutes-seconds**

Latitude: Click to enter text.

Longitude: Click to enter text.

Method of determination (GPS, TOPO, etc.): Click to enter text.

Attach topographic quadrangle map as attachment A.

6. **Well Information**

Type of Well Construction, select one:

- ☐ Vertical Injection
- ☐ Subsurface Fluid Distribution System
- ☐ Infiltration Gallery
- ☐ Temporary Injection Points
- ☐ Other, Specify: Click to enter text.

Number of Injection Wells: Click to enter text.

7. **Purpose**

Detailed Description regarding purpose of Injection System:

Click to enter text.

Attach a Site Map as Attachment B (Attach the Approved Remediation Plan, if appropriate.)

8. **Water Well Driller/Installer**

Water Well Driller/Installer Name: Click to enter text.

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

Phone Number: Click to enter text.

License Number: Click to enter text.

Section 2. Proposed Down Hole Design

Attach a diagram signed and sealed by a licensed engineer as Attachment C.

Table 7.0(1) – Down Hole Design Table

Name of String	Size	Setting Depth	Sacks Cement/Grout – Slurry Volume – Top of Cement	Hole Size	Weight (lbs/ft) PVC/Steel
Casing					
Tubing					
Screen					

Section 3. Proposed Trench System, Subsurface Fluid Distribution System, or Infiltration Gallery

Attach a diagram signed and sealed by a licensed engineer as Attachment D.

System(s) Dimensions: Click to enter text.

System(s) Construction: Click to enter text.

Section 4. Site Hydrogeological and Injection Zone Data

1. Name of Contaminated Aquifer: Click to enter text.

2. Receiving Formation Name of Injection Zone: Click to enter text.

3. Well/Trench Total Depth: Click to enter text.

4. Surface Elevation: Click to enter text.

5. Depth to Ground Water: Click to enter text.

6. Injection Zone Depth: Click to enter text.

7. Injection Zone vertically isolated geologically? ☐ Yes ☐ No

Impervious Strata between Injection Zone and nearest Underground Source of Drinking Water:

Name: Click to enter text.

Thickness: Click to enter text.

8. Provide a list of contaminants and the levels (ppm) in contaminated aquifer

Attach as Attachment E.

9. Horizontal and Vertical extent of contamination and injection plume

Attach as Attachment F.

10. Formation (Injection Zone) Water Chemistry (Background levels) TDS, etc.

Attach as Attachment G.

11. Injection Fluid Chemistry in PPM at point of injection

Attach as Attachment H.

12. Lowest Known Depth of Ground Water with < 10,000 PPM TDS: Click to enter text.

13. Maximum injection Rate/Volume/Pressure: Click to enter text.

14. Water wells within 1/4 mile radius (attach map as Attachment I): Click to enter text.

15. Injection wells within 1/4 mile radius (attach map as Attachment J): Click to enter text.

16. Monitor wells within 1/4 mile radius (attach drillers logs and map as Attachment K): Click to enter text.

17. Sampling frequency: Click to enter text.

18. Known hazardous components in injection fluid: Click to enter text.

Section 5. Site History

1. Type of Facility: Click to enter text.
2. Contamination Dates: Click to enter text.
3. Original Contamination (VOCs, TPH, BTEX, etc.) and Concentrations (attach as Attachment L): Click to enter text.
4. Previous Remediation (attach results of any previous remediation as attachment M): Click to enter text.

NOTE: Authorization Form should be completed in detail and authorization given by the TCEQ before construction, operation, and/or conversion can begin. Attach additional pages as necessary.

Class V Injection Well Designations

5A07 Heat Pump/AC return (IW used for groundwater to heat and/or cool buildings)
5A19 Industrial Cooling Water Return Flow (IW used to cool industrial process equipment)
5B22 Salt Water Intrusion Barrier (IW used to inject fluids to prevent the intrusion of salt water into an aquifer)
5D02 Storm Water Drainage (IW designed for the disposal of rain water)
5D04 Industrial Stormwater Drainage Wells (IW designed for the disposal of rain water associated with industrial facilities)
5F01 Agricultural Drainage (IW that receive agricultural runoff)
5R21 Aquifer Recharge (IW used to inject fluids to recharge an aquifer)
5S23 Subsidence Control Wells (IW used to control land subsidence caused by ground water withdrawal)
5W09 Untreated Sewage
5W10 Large Capacity Cesspools (Cesspools that are designed for 5,000 gpd or greater)
5W11 Large Capacity Septic systems (Septic systems designed for 5,000 gpd or greater)
5W12 WTTP disposal
5W20 Industrial Process Waste Disposal Wells
5W31 Septic System (Well Disposal method)
5W32 Septic System Drainfield Disposal
5X13 Mine Backfill (IW used to control subsidence, dispose of mining byproducts, and/or fill sections of a mine)
5X25 Experimental Wells (Pilot Test) (IW used to test new technologies or tracer dye studies)
5X26 Aquifer Remediation (IW used to clean up, treat, or prevent contamination of a USDW)
5X27 Other Wells
5X28 Motor Vehicle Waste Disposal Wells (IW used to dispose of waste from a motor vehicle site - These are currently banned)
5X29 Abandoned Drinking Water Wells (waste disposal)

Appendix A

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 600632400		**RN 101918977**

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 Lamesa

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:

601 S. 1st Street

City	Lamesa	**State**	TX	**ZIP**	79331	**ZIP + 4**	

16. Country Mailing Information *(if outside USA)*	**17. E-Mail Address** *(if applicable)*
	directorofutilities@ci.lamesa.tx.us

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(806) 872-2124		( ) -

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.)*

City of Lamesa Wastewater Treatment Plant

23. Street Address of the Regulated Entity:							
(No PO Boxes)							
	City		**State**		**ZIP**		**ZIP + 4**
24. County	Dawson						

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

25. Description to Physical Location:	Located approximately 1.3 miles southeast of the intersection of State Highway 137 and Sulphur Springs Draw, southeast of Lamesa in Dawson County

26. Nearest City	State	Nearest ZIP Code
Lamesa	TX	79331

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:	32.7119		28. Longitude (W) In Decimal:	-101.94611	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
32	42	43	-101	56	46

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 for the City of Lamesa

34. Mailing Address:	**601 S. 1st Street**						
	City	**Lamesa**	**State**	**TX**	**ZIP**	**79331**	**ZIP + 4**

35. E-Mail Address:	directorofutilities@ci.lamesa.tx.us

36. Telephone Number	37. Extension or Code	38. Fax Number *(if applicable)*
(806) 872-4327		(806) 872-4338

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

☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☒ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:
	WQ0010107001			

SECTION IV: Preparer Information

40. Name:	Paul Krueger, P.E.	**41. Title:**	Civil Engineer

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(806 **)** 473-2200		**( )** -	pkrueger@parkhill.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:	City of Lamesa	**Job Title:**	Utilities Director	
Name *(In Print):*	Ernest Ojeda		**Phone:**	**(** 806 **)** 872- **2124**
Signature:			**Date:**	

Appendix B

Plain Language Summary

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

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

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

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

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

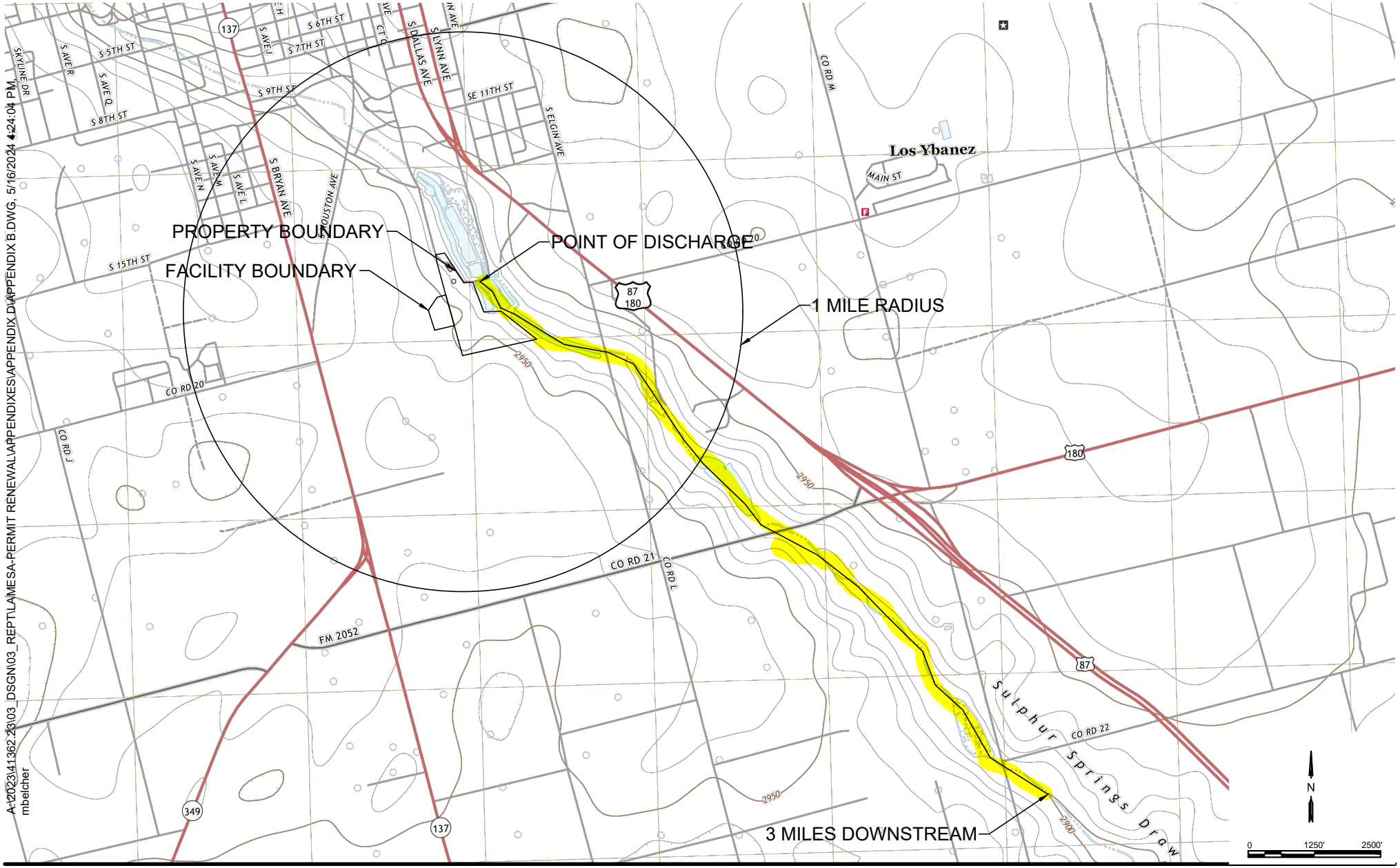
ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS
Enter 'INDUSTRIAL' or 'DOMESTIC' here WASTEWATER/STORMWATER
The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 TAC Chapter 39. The information provided in this summary may change during the technical review of the application and is not a federal enforceable representation of the permit application.

City of Lamesa (CN600632400) operates City of Levelland Wastewater Treatment Plant (RN101948977), an activated sludge treatment process using the extended aeration mode. The facility is located at 1.3 miles southeast of the intersection of State Hwy 137 and Sulphur Springs Draw, in Lamesa, Dawson County, Texas 79331. A permit renewal to discharge 2.0 million gallons a day of treated domestic wastewater.

Discharges from the facility are expected to contain Carbonaceous Biochemical Oxygen Demand, Total Suspended Solids, and Ammonia Nitrogen. Domestic wastewater is treated by activated sludge treatment process using the extended aeration mode. Treatment units include a screen, vortex grit removal, carrousel aeration basin, 2 final clarifiers, and UV disinfection.

Appendix C

USGS Map



A:\2023\41362.23\03_DSGN\03_REPT\LAMESA-PERMIT RENEWAL\APPENDIXES\APPENDIX D\APPENDIX B.DWG, 5/16/2024 4:24:04 PM, mbelcher

City of Lamesa Wastewater Treatment Plant

City of Lamesa
601 S. 1st Street
Lamesa, TX, 79331

Parkhill
Parkhill.com

Appendix C
USGS Map

Issue:	Permit Renewal
Date:	05/17/2024
Project No:	41362.23
Sheet:	1 of 1

Appendix D

SPIF Form

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 Lamesa

   Permit No. WQ00 10107001 EPA ID No. TX 0129011

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

   The treatment plant is located 1.3 miles southeast of the intersection of State Hwy 137 and Sulphur Springs Draw, southeast of Lamesa in Dawson County.Mr.

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

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

First and Last Name: Ernest Ojeda

Credential (P.E, P.G., Ph.D., etc.): Click here to enter text

Title: Director of Utilities

Mailing Address: 601 S. 1st Street

City, State, Zip Code: Lamesa, TX, 79331

Phone No.: 806.201.0243 Ext.: Click here to enter text Fax No.: Click here to enter text

E-mail Address: directorofutilites@ci.lamesa.tx.us

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

City of Lamesa

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.

The treated effluent is discharged through a 24" out fall pipe to Sulphur Springs Draw, then to Mustang Draw, then to Beals Creek, then to Colorado River. The nearest classified stream segrent is Segrent 1412, described as the Colorado river below lake J.B. Thomas.

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

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

N/A

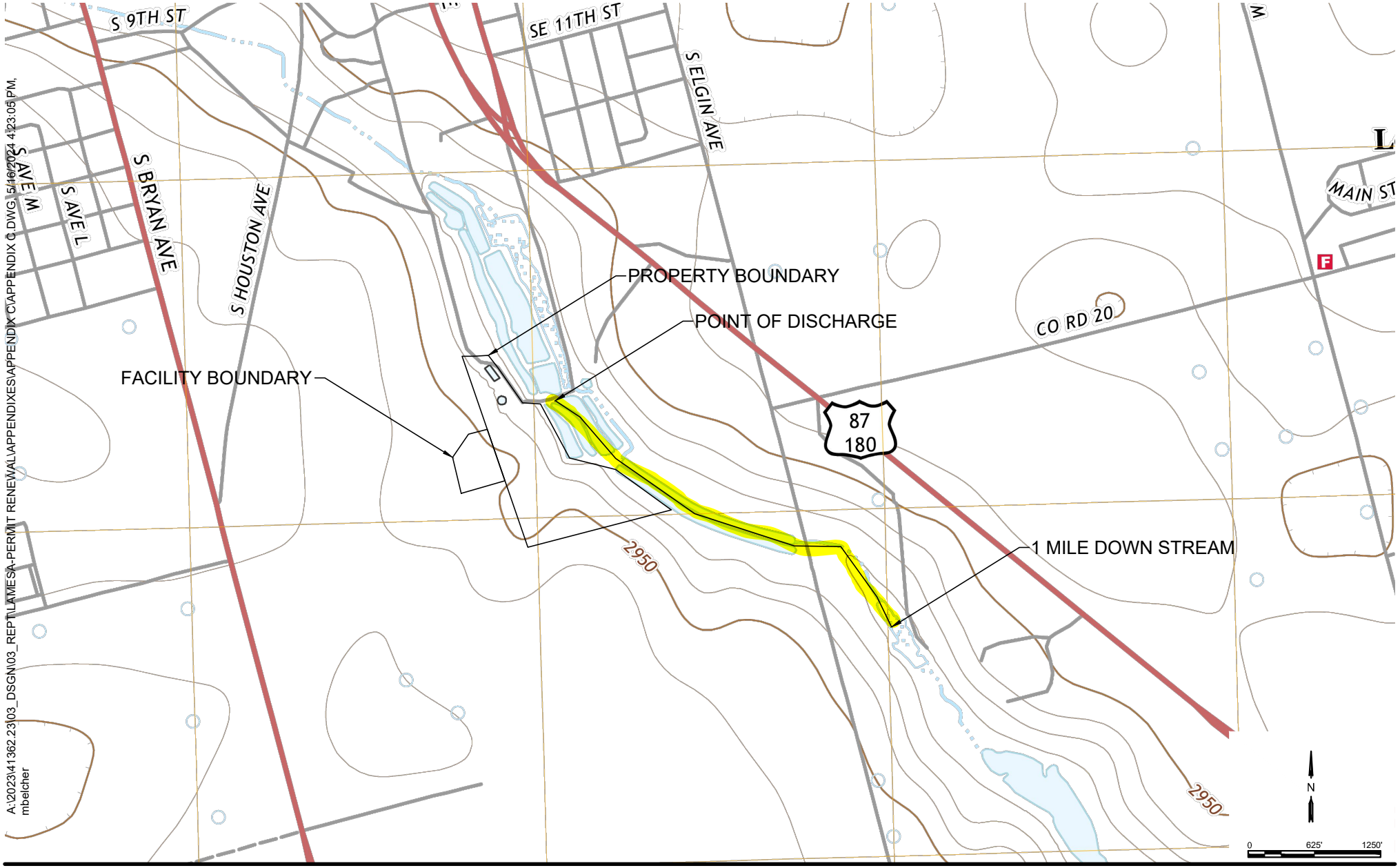
THE FOLLOWING ITEMS APPLY ONLY TO APPLICATIONS FOR NEW TPDES PERMITS AND MAJOR AMENDMENTS TO TPDES PERMITS

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

N/A

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

N/A



Lamesa Wastewater Treatment Plant

City of Lamesa
601 S. 1st Street
Lamesa, TX, 79331

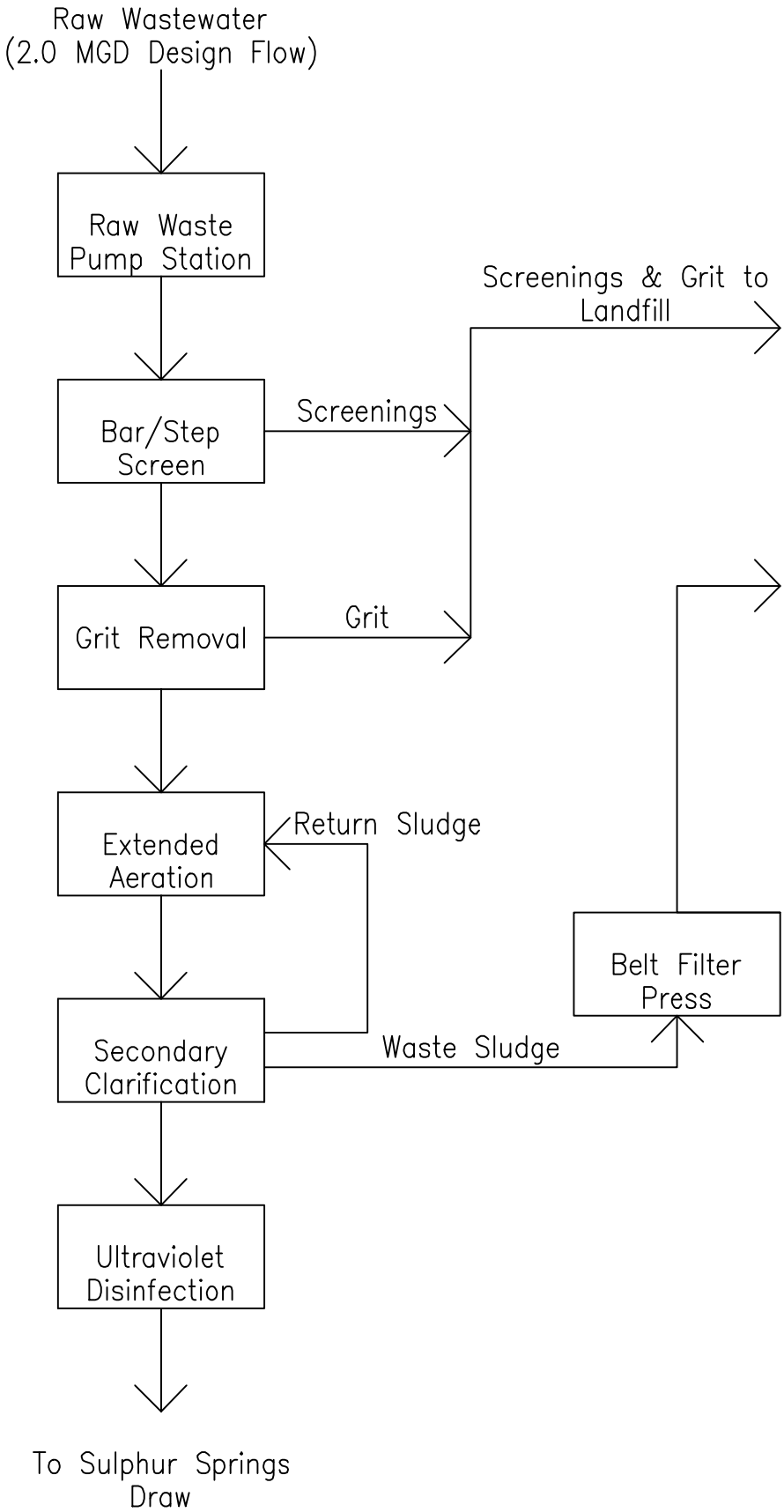
Parkhill
Parkhill.com

Appendix D
SPIF Map

Issue:	Permit Renewal
Date:	04/17/2024
Project No:	41362.23
Sheet:	1 of 1

Appendix E

Flow Diagram



City of Lamesa Wastewater Treatment Plant

City of Lamesa
601 S. 1st Street
Lamesa, TX, 79331

Parkhill

Parkhill.com

Appendix E
Flow Diagram

Issue:	Permit Renewal
Date:	05/17/2023
Project No:	41362.23
Sheet:	1 of 1

Appendix F

Site Map

A:\2023\41362.23\03_DSGN\03_REPT\LAMESA-PERMIT RENEWAL\APPENDIXES\APPENDIX F\APPENDIX E.DWG, 5/17/2024 10:16:44 AM, mbelcher

City of Lamesa Wastewater Treatment Plant

City of Lamesa
601 S. 1st Street
Lamesa, TX, 79331

Parkhill.com

Appendix F
Site Map

Issue:	Permit Renewal
Date:	05/17/2024
Project No:	41362.23
Sheet:	1 of 1

Appendix G

Pollutant Analysis

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12 13 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Jessica Richey
Parkhill Smith & Cooper Inc.
4222 85th Street
Lubbock, Texas 79423

Generated 7/31/2023 1:28:59 PM

JOB DESCRIPTION

TPDES Permit Application Renewal

JOB NUMBER

820-9303-1

Eurofins Lubbock
6701 Aberdeen Ave.
Suite 8
Lubbock TX 79424

See page two for job notes and contact information.

myEOL

Job Notes

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

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

Authorization

Generated
7/31/2023 1:28:59 PM

Authorized for release by
John Builes, Project Manager
John.Builes@et.eurofinsus.com
(561)558-4549

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 820-9303-1

Laboratory: Eurofins Lubbock

Narrative

Job Narrative
820-9303-1

Receipt
The sample was received on 7/18/2023 11:50 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.0°C

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

GC/MS Semi VOA
Method 625.1: The surrogate recovery for the laboratory control sample and laboratory control sample duplicate associated with preparation batch 860-113963 and analytical batch 860-114044 was outside the control limit.

Method 625.1: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: 4136223 Permit (820-9303-1). These results have been reported and qualified.

Method 625.1: The laboratory control sample (LCS) for preparation batch 860-114275 and analytical batch 860-114367 recovered outside control limits for the following analyte: Benzidine. Benzidine has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method 625.1: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 860-114275 and analytical batch 860-114367 recovered outside control limits for the following analytes: Benzidine and Pyridine.

Method 625.1: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: 4136223 Permit (820-9303-1). These results have been reported and qualified.

Method 625.1: The following sample was re-prepared outside of preparation holding time due to QC failed on first extracted: 4136223 Permit (820-9303-1).

Method 625.1: The laboratory control sample and laboratory control sample duplicate (LCS/LCSD) for preparation batch 860-113963 and analytical batch 860-114044 recovered outside control limits for multiple analytes. The associated sample was re-prepared and re-analyzed outside holding time. Both sets of data have been reported.

Method 625.1: The surrogate recovery for the laboratory control sample and laboratory control sample duplicate associated with preparation batch 860-114275 and analytical batch 860-114367 was outside the control limits.

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

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

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

Pesticides
Method 608.3_Pest: Surrogate recovery for the following sample was outside the upper control limit: 4136223 Permit (820-9303-1). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

Job ID: 820-9303-1 (Continued)

Laboratory: Eurofins Lubbock (Continued)

HPLC/IC

Method 300_ORGFMS: The following sample was diluted to bring the concentration of target analytes within the calibration range: 4136223 Permit (820-9303-1). Elevated reporting limits (RLs) are provided.

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

Metals

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

General Chemistry

Method 2540D: Elevated reporting limits are provided for the following sample(s) due to insufficient sample provided for analysis: 1000mL.

Method 365.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 860-113846 and analytical batch 860-114071 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method SM5210B_Calc: The method blank result associated with batch 860-113787 was higher than the method-required limit of 0.2 mg/L.

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

Biology

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

Client: Parkhill Smith & Cooper Inc.
Job ID: 820-9303-1
Project/Site: TPDES Permit Application Renewal

Client Sample ID: 4136223 Permit
Lab Sample ID: 820-9303-1
Date Collected: 07/18/23 09:30
Matrix: Water
Date Received: 07/18/23 11:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	<0.0111	U	0.0500	0.0111	mg/L			07/19/23 19:37	1
Acrylonitrile	<0.0143	U	0.0500	0.0143	mg/L			07/19/23 19:37	1
Benzene	<0.000460	U	0.00100	0.000460	mg/L			07/19/23 19:37	1
Bromodichloromethane	<0.000552	U	0.00100	0.000552	mg/L			07/19/23 19:37	1
Bromoform	<0.000633	U	0.00500	0.000633	mg/L			07/19/23 19:37	1
Bromomethane	<0.00142	U	0.00500	0.00142	mg/L			07/19/23 19:37	1
Carbon tetrachloride	<0.000896	U	0.00500	0.000896	mg/L			07/19/23 19:37	1
Chlorobenzene	<0.000530	U	0.00100	0.000530	mg/L			07/19/23 19:37	1
Chlorodibromomethane	<0.000547	U	0.00500	0.000547	mg/L			07/19/23 19:37	1
Chloroethane	<0.00198	U	0.0100	0.00198	mg/L			07/19/23 19:37	1
2-Chloroethyl vinyl ether	<0.00252	U	0.00500	0.00252	mg/L			07/19/23 19:37	1
Chloroform	<0.000643	U	0.00100	0.000643	mg/L			07/19/23 19:37	1
Chloromethane	<0.00204	U	0.0100	0.00204	mg/L			07/19/23 19:37	1
cis-1,3-Dichloropropene	<0.00107	U	0.00500	0.00107	mg/L			07/19/23 19:37	1
1,2-Dibromoethane	<0.000999	U	0.00500	0.000999	mg/L			07/19/23 19:37	1
1,1-Dichloroethane	<0.000635	U	0.00100	0.000635	mg/L			07/19/23 19:37	1
1,2-Dichloroethane	<0.000590	U	0.00100	0.000590	mg/L			07/19/23 19:37	1
1,1-Dichloroethene	<0.000738	U	0.00100	0.000738	mg/L			07/19/23 19:37	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			07/19/23 19:37	1
1,2-Dichloropropane	<0.000667	U	0.00500	0.000667	mg/L			07/19/23 19:37	1
1,3-Dichloropropene, Total	<0.00127	U	0.00500	0.00127	mg/L			07/19/23 19:37	1
Ethylbenzene	<0.000411	U	0.00100	0.000411	mg/L			07/19/23 19:37	1
Hexachlorobutadiene	<0.00126	U	0.00500	0.00126	mg/L			07/19/23 19:37	1
m-Dichlorobenzene	<0.000513	U	0.00100	0.000513	mg/L			07/19/23 19:37	1
Methyl ethyl ketone (MEK)	<0.00828	U	0.0500	0.00828	mg/L			07/19/23 19:37	1
Naphthalene	<0.00135	U	0.0100	0.00135	mg/L			07/19/23 19:37	1
o-Dichlorobenzene	<0.000509	U	0.00100	0.000509	mg/L			07/19/23 19:37	1
p-Dichlorobenzene	<0.000513	U	0.00100	0.000513	mg/L			07/19/23 19:37	1
1,1,2,2-Tetrachloroethane	<0.000470	U	0.00100	0.000470	mg/L			07/19/23 19:37	1
Tetrachloroethylene	<0.000801	U	0.00100	0.000801	mg/L			07/19/23 19:37	1
Toluene	<0.000475	U	0.00100	0.000475	mg/L			07/19/23 19:37	1
trans-1,2-Dichloroethene	<0.000945	U	0.00100	0.000945	mg/L			07/19/23 19:37	1
1,2,4-Trichlorobenzene	<0.00175	U	0.00500	0.00175	mg/L			07/19/23 19:37	1
1,1,1-Trichloroethane	<0.00169	U	0.00500	0.00169	mg/L			07/19/23 19:37	1
1,1,2-Trichloroethane	<0.000511	U	0.00100	0.000511	mg/L			07/19/23 19:37	1
Trichloroethene	<0.000791	U	0.00500	0.000791	mg/L			07/19/23 19:37	1
Trihalomethanes, Total	<0.000643	U	0.00500	0.000643	mg/L			07/19/23 19:37	1
Vinyl chloride	<0.000638	U	0.00200	0.000638	mg/L			07/19/23 19:37	1
trans-1,3-Dichloropropene	<0.00127	U	0.00500	0.00127	mg/L			07/19/23 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 144*		*07/19/23 19:37*	*1*
4-Bromofluorobenzene (Surr)	*103*		*74 - 124*		*07/19/23 19:37*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 131*		*07/19/23 19:37*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*07/19/23 19:37*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00139	U *-	0.00570	0.00139	mg/L		07/25/23 10:28	07/26/23 00:36	1
Acenaphthylene	<0.00141	U *-	0.0100	0.00141	mg/L		07/25/23 10:28	07/26/23 00:36	1

Client Sample ID: 4136223 Permit
Lab Sample ID: 820-9303-1
Date Collected: 07/18/23 09:30
Matrix: Water
Date Received: 07/18/23 11:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	<0.00150	U	0.00570	0.00150	mg/L		07/25/23 10:28	07/26/23 00:36	1
Benzidine	<0.00480	U *1	0.0200	0.00480	mg/L		07/25/23 10:28	07/26/23 00:36	1
Benzo[a]anthracene	<0.000173	U	0.00500	0.000173	mg/L		07/25/23 10:28	07/26/23 00:36	1
Benzo[a]pyrene	<0.000364	U	0.00500	0.000364	mg/L		07/25/23 10:28	07/26/23 00:36	1
3,4-Benzofluoranthene	<0.00204	U	0.0100	0.00204	mg/L		07/25/23 10:28	07/26/23 00:36	1
Benzo[g,h,i]perylene	<0.00268	U	0.0100	0.00268	mg/L		07/25/23 10:28	07/26/23 00:36	1
Benzo[k]fluoranthene	<0.000375	U	0.00500	0.000375	mg/L		07/25/23 10:28	07/26/23 00:36	1
Bis(2-chloroethoxy)methane	<0.00176	U *-	0.0100	0.00176	mg/L		07/25/23 10:28	07/26/23 00:36	1
Bis(2-chloroethyl)ether	<0.00216	U *-	0.0100	0.00216	mg/L		07/25/23 10:28	07/26/23 00:36	1
Bis(2-ethylhexyl) phthalate	<0.000277	U	0.00500	0.000277	mg/L		07/25/23 10:28	07/26/23 00:36	1
4-Bromophenyl phenyl ether	<0.000256	U *-	0.00500	0.000256	mg/L		07/25/23 10:28	07/26/23 00:36	1
Butyl benzyl phthalate	<0.000337	U	0.00500	0.000337	mg/L		07/25/23 10:28	07/26/23 00:36	1
4-Chloro-3-methylphenol	<0.00157	U	0.00500	0.00157	mg/L		07/25/23 10:28	07/26/23 00:36	1
2-Chloronaphthalene	<0.000462	U *-	0.00500	0.000462	mg/L		07/25/23 10:28	07/26/23 00:36	1
2-Chlorophenol	<0.000649	U	0.00500	0.000649	mg/L		07/25/23 10:28	07/26/23 00:36	1
4-Chlorophenyl phenyl ether	<0.00128	U	0.0100	0.00128	mg/L		07/25/23 10:28	07/26/23 00:36	1
Chrysene	<0.000222	U	0.00500	0.000222	mg/L		07/25/23 10:28	07/26/23 00:36	1
Dibenz(a,h)anthracene	<0.000246	U	0.00500	0.000246	mg/L		07/25/23 10:28	07/26/23 00:36	1
3,3'-Dichlorobenzidine	<0.000341	U	0.00500	0.000341	mg/L		07/25/23 10:28	07/26/23 00:36	1
2,4-Dichlorophenol	<0.000314	U *-	0.00500	0.000314	mg/L		07/25/23 10:28	07/26/23 00:36	1
Diethyl phthalate	<0.00159	U	0.00500	0.00159	mg/L		07/25/23 10:28	07/26/23 00:36	1
2,4-Dimethylphenol	<0.000649	U *-	0.00500	0.000649	mg/L		07/25/23 10:28	07/26/23 00:36	1
Dimethyl phthalate	<0.000299	U	0.00250	0.000299	mg/L		07/25/23 10:28	07/26/23 00:36	1
Di-n-butyl phthalate	<0.000252	U	0.00500	0.000252	mg/L		07/25/23 10:28	07/26/23 00:36	1
4,6-Dinitro-o-cresol	<0.00144	U *-	0.0100	0.00144	mg/L		07/25/23 10:28	07/26/23 00:36	1
2,4-Dinitrophenol	<0.000499	U *1	0.0100	0.000499	mg/L		07/25/23 10:28	07/26/23 00:36	1
2,4-Dinitrotoluene	<0.00131	U	0.0100	0.00131	mg/L		07/25/23 10:28	07/26/23 00:36	1
2,6-Dinitrotoluene	<0.00161	U *-	0.00500	0.00161	mg/L		07/25/23 10:28	07/26/23 00:36	1
Di-n-octyl phthalate	<0.000373	U	0.00500	0.000373	mg/L		07/25/23 10:28	07/26/23 00:36	1
1,2-Diphenylhydrazine	<0.00149	U	0.0100	0.00149	mg/L		07/25/23 10:28	07/26/23 00:36	1
Fluoranthene	<0.00159	U	0.00500	0.00159	mg/L		07/25/23 10:28	07/26/23 00:36	1
Fluorene	<0.00163	U *-	0.00500	0.00163	mg/L		07/25/23 10:28	07/26/23 00:36	1
Hexachlorobenzene	<0.000307	U	0.00500	0.000307	mg/L		07/25/23 10:28	07/26/23 00:36	1
Hexachlorobutadiene	<0.000238	U	0.00100	0.000238	mg/L		07/25/23 10:28	07/26/23 00:36	1
Hexachlorocyclopentadiene	<0.00458	U *-	0.0100	0.00458	mg/L		07/25/23 10:28	07/26/23 00:36	1
Hexachloroethane	<0.000526	U *-	0.00480	0.000526	mg/L		07/25/23 10:28	07/26/23 00:36	1
Indeno[1,2,3-cd]pyrene	<0.00229	U	0.0100	0.00229	mg/L		07/25/23 10:28	07/26/23 00:36	1
Isophorone	<0.00164	U	0.00500	0.00164	mg/L		07/25/23 10:28	07/26/23 00:36	1
m+p-Cresol	<0.00262	U	0.0100	0.00262	mg/L		07/25/23 10:28	07/26/23 00:36	1
Naphthalene	<0.000542	U	0.00250	0.000542	mg/L		07/25/23 10:28	07/26/23 00:36	1
Nitrobenzene	<0.00166	U *-	0.00500	0.00166	mg/L		07/25/23 10:28	07/26/23 00:36	1
4-Nitrophenol	<0.00491	U	0.00720	0.00491	mg/L		07/25/23 10:28	07/26/23 00:36	1
2-Nitrophenol	<0.00167	U	0.0100	0.00167	mg/L		07/25/23 10:28	07/26/23 00:36	1
N-Nitrosodimethylamine	<0.00202	U *-	0.0100	0.00202	mg/L		07/25/23 10:28	07/26/23 00:36	1
N-Nitrosodi-n-propylamine	<0.00288	U	0.0100	0.00288	mg/L		07/25/23 10:28	07/26/23 00:36	1
N-Nitrosodiphenylamine	<0.00181	U	0.0100	0.00181	mg/L		07/25/23 10:28	07/26/23 00:36	1
o-Cresol	<0.00162	U	0.0100	0.00162	mg/L		07/25/23 10:28	07/26/23 00:36	1
2,2'-oxybis[1-chloropropane]	<0.00179	U *-	0.0100	0.00179	mg/L		07/25/23 10:28	07/26/23 00:36	1
Pentachlorophenol	<0.000234	U *-	0.0100	0.000234	mg/L		07/25/23 10:28	07/26/23 00:36	1

Client Sample ID: 4136223 Permit
Lab Sample ID: 820-9303-1
Date Collected: 07/18/23 09:30
Matrix: Water
Date Received: 07/18/23 11:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	<0.00142	U *-	0.0100	0.00142	mg/L		07/25/23 10:28	07/26/23 00:36	1
Phenol	<0.000423	U *-	0.00450	0.000423	mg/L		07/25/23 10:28	07/26/23 00:36	1
Pyrene	<0.000178	U	0.00500	0.000178	mg/L		07/25/23 10:28	07/26/23 00:36	1
1,2,4,5-Tetrachlorobenzene	<0.00132	U	0.0100	0.00132	mg/L		07/25/23 10:28	07/26/23 00:36	1
1,2,4-Trichlorobenzene	<0.00161	U *-	0.00500	0.00161	mg/L		07/25/23 10:28	07/26/23 00:36	1
2,4,6-Trichlorophenol	<0.00142	U *-	0.00500	0.00142	mg/L		07/25/23 10:28	07/26/23 00:36	1
2,4,5-Trichlorophenol	<0.00200	U	0.0100	0.00200	mg/L		07/25/23 10:28	07/26/23 00:36	1
Pyridine	<0.00264	U	0.0100	0.00264	mg/L		07/25/23 10:28	07/26/23 00:36	1
Pentachlorobenzene	<0.00107	U	0.0100	0.00107	mg/L		07/25/23 10:28	07/26/23 00:36	1
Hexachlorophene	<0.0100	U	0.100	0.0100	mg/L		07/25/23 10:28	07/26/23 00:36	1
N-Nitrosodi-n-butylamine	<0.00149	U	0.0100	0.00149	mg/L		07/25/23 10:28	07/26/23 00:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*51*		*29 - 112*	*07/25/23 10:28*	*07/26/23 00:36*	*1*
2-Fluorophenol (Surr)	*21*	*S1-*	*28 - 114*	*07/25/23 10:28*	*07/26/23 00:36*	*1*
Nitrobenzene-d5 (Surr)	*43*		*15 - 314*	*07/25/23 10:28*	*07/26/23 00:36*	*1*
Phenol-d5 (Surr)	*13*		*8 - 424*	*07/25/23 10:28*	*07/26/23 00:36*	*1*
p-Terphenyl-d14 (Surr)	*67*		*20 - 141*	*07/25/23 10:28*	*07/26/23 00:36*	*1*
2,4,6-Tribromophenol (Surr)	*43*		*31 - 132*	*07/25/23 10:28*	*07/26/23 00:36*	*1*

Method: EPA 608.3 - Organochlorine Pesticides in Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.00000113	U	0.0000100	0.00000113	mg/L		07/20/23 07:48	07/20/23 15:28	1
alpha-BHC	<0.00000142	U	0.00000900	0.0000014 2	mg/L		07/20/23 07:48	07/20/23 15:28	1
beta-BHC	<0.00000389	U	0.0000180	0.0000038 9	mg/L		07/20/23 07:48	07/20/23 15:28	1
delta-BHC	<0.00000245	U	0.000250	0.0000024 5	mg/L		07/20/23 07:48	07/20/23 15:28	1
gamma-BHC (Lindane)	<0.00000299	U	0.0000100	0.0000029 9	mg/L		07/20/23 07:48	07/20/23 15:28	1
4,4'-DDD	<0.00000081 4	U	0.0000100	0.0000008 14	mg/L		07/20/23 07:48	07/20/23 15:28	1
4,4'-DDE	<0.00000109	U	0.0000100	0.0000010 9	mg/L		07/20/23 07:48	07/20/23 15:28	1
4,4'-DDT	<0.00000379	U	0.0000200	0.0000037 9	mg/L		07/20/23 07:48	07/20/23 15:28	1
Dieldrin	<0.00000095 3	U	0.0000100	0.0000009 53	mg/L		07/20/23 07:48	07/20/23 15:28	1
Endosulfan I	<0.00000107	U	0.0000100	0.0000010 7	mg/L		07/20/23 07:48	07/20/23 15:28	1
Endosulfan II	<0.00000122	U	0.0000100	0.0000012 2	mg/L		07/20/23 07:48	07/20/23 15:28	1
Endosulfan sulfate	<0.00000112	U	0.0000100	0.00000112	mg/L		07/20/23 07:48	07/20/23 15:28	1
Endrin	<0.00000156	U	0.0000100	0.0000015 6	mg/L		07/20/23 07:48	07/20/23 15:28	1
Endrin aldehyde	<0.00000118	U	0.0000100	0.00000118	mg/L		07/20/23 07:48	07/20/23 15:28	1
Heptachlor	<0.00000446	U	0.0000090 0	0.0000044 6	mg/L		07/20/23 07:48	07/20/23 15:28	1
Heptachlor epoxide	<0.00000134	U	0.0000100	0.0000013 4	mg/L		07/20/23 07:48	07/20/23 15:28	1
Toxaphene	<0.0000769	U	0.000200	0.0000769	mg/L		07/20/23 07:48	07/20/23 15:28	1
Chlordane	<0.000103	U	0.000250	0.000103	mg/L		07/20/23 07:48	07/20/23 15:28	1

Client Sample ID: 4136223 Permit
Date Collected: 07/18/23 09:30
Date Received: 07/18/23 11:50

Lab Sample ID: 820-9303-1
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	*164*	*S1+*	*15 - 136*	*07/20/23 07:48*	*07/20/23 15:28*	*1*
Tetrachloro-m-xylene (Surr)	*107*		*18 - 126*	*07/20/23 07:48*	*07/20/23 15:28*	*1*

Method: EPA 608.3 - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0000125	U	0.000100	0.0000125	mg/L		07/20/23 07:48	07/20/23 13:59	1
PCB-1221	<0.0000125	U	0.000100	0.0000125	mg/L		07/20/23 07:48	07/20/23 13:59	1
PCB-1232	<0.0000125	U	0.000100	0.0000125	mg/L		07/20/23 07:48	07/20/23 13:59	1
PCB-1242	<0.0000125	U	0.000100	0.0000125	mg/L		07/20/23 07:48	07/20/23 13:59	1
PCB-1248	<0.0000125	U	0.000100	0.0000125	mg/L		07/20/23 07:48	07/20/23 13:59	1
PCB-1254	<0.00000780	U	0.000100	0.0000078 0	mg/L		07/20/23 07:48	07/20/23 13:59	1
PCB-1260	<0.00000780	U	0.000100	0.0000078 0	mg/L		07/20/23 07:48	07/20/23 13:59	1
Polychlorinated biphenyls, Total	<0.000100	U	0.000100	0.000100	mg/L		07/20/23 07:48	07/20/23 13:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	*87*		*18 - 126*	*07/20/23 07:48*	*07/20/23 13:59*	*1*
DCB Decachlorobiphenyl (Surr)	*107*		*15 - 136*	*07/20/23 07:48*	*07/20/23 13:59*	*1*

Method: EPA-01 615 - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorophene	<0.000811	U	0.00502	0.000811	mg/L		07/23/23 19:55	07/27/23 19:12	1
Silvex (2,4,5-TP)	<0.0000424	U	0.000201	0.0000424	mg/L		07/23/23 19:55	07/26/23 19:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	*119*		*45 - 150*	*07/23/23 19:55*	*07/26/23 19:41*	*1*
2,4-Dichlorophenylacetic acid	*125*		*45 - 150*	*07/23/23 19:55*	*07/27/23 19:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**391**		0.500	0.250	mg/L			07/19/23 19:25	1
Fluoride	**0.931**		0.500	0.100	mg/L			07/19/23 19:25	1
Nitrite as N	<0.0293	U	0.100	0.0293	mg/L			07/19/23 19:25	1
Sulfate	**197**		0.500	0.200	mg/L			07/19/23 19:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**20.8**		1.00	0.391	mg/L			07/19/23 19:33	10
Nitrate Nitrite as N	**20.8**		1.00	0.391	mg/L			07/19/23 19:33	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbaryl	<1.85	U	5.00	1.85	ug/L		07/22/23 06:44	07/26/23 08:09	1
Diuron	**0.166**		0.0900	0.0514	ug/L		07/22/23 06:44	07/26/23 08:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0842**		0.0200	0.00301	mg/L		07/21/23 20:53	07/22/23 23:57	1
Antimony	<0.00105	U	0.00200	0.00105	mg/L		07/21/23 20:53	07/22/23 23:57	1
Arsenic	**0.00520**		0.00400	0.000341	mg/L		07/21/23 20:53	07/22/23 23:57	1
Barium	**0.0930**		0.00400	0.000289	mg/L		07/21/23 20:53	07/22/23 23:57	1

Client: Parkhill Smith & Cooper Inc. Job ID: 820-9303-1
Project/Site: TPDES Permit Application Renewal

Client Sample ID: 4136223 Permit **Lab Sample ID: 820-9303-1**
Date Collected: 07/18/23 09:30 **Matrix: Water**
Date Received: 07/18/23 11:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.000148	U	0.00200	0.000148	mg/L		07/21/23 20:53	07/22/23 23:57	1
Cadmium	<0.0000850	U	0.00200	0.0000850	mg/L		07/21/23 20:53	07/22/23 23:57	1
Chromium	**0.000392**	**J**	0.00400	0.000325	mg/L		07/21/23 20:53	07/22/23 23:57	1
Copper	**0.00547**		0.00400	0.000690	mg/L		07/21/23 20:53	07/22/23 23:57	1
Lead	**0.000537**	**J**	0.00200	0.000140	mg/L		07/21/23 20:53	07/22/23 23:57	1
Nickel	**0.00170**	**J**	0.00200	0.000486	mg/L		07/21/23 20:53	07/22/23 23:57	1
Selenium	<0.000685	U	0.00200	0.000685	mg/L		07/21/23 20:53	07/22/23 23:57	1
Silver	<0.000118	U	0.00200	0.000118	mg/L		07/21/23 20:53	07/22/23 23:57	1
Thallium	<0.0000960	U	0.00200	0.0000960	mg/L		07/21/23 20:53	07/22/23 23:57	1
Zinc	**0.0683**		0.00400	0.000885	mg/L		07/21/23 20:53	07/22/23 23:57	1

Method: EPA 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000525	U	0.000200	0.0000525	mg/L		07/24/23 20:20	07/25/23 16:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease) (1664B)	<1.57	U	5.00	1.57	mg/L			07/24/23 09:53	1
Cyanide, Total (EPA 335.4)	**0.00213**	**J**	0.00500	0.00200	mg/L		07/21/23 11:49	07/21/23 20:22	1
Ammonia (EPA 350.1)	<0.0345	U	0.100	0.0345	mg/L			07/19/23 23:41	1
Nitrogen, Kjeldahl (EPA 351.2)	**0.632**		0.200	0.0890	mg/L		07/24/23 16:54	07/25/23 15:28	1
Oxygen, Dissolved (EPA 360.1)	**9.65**	**HF**	1.00	1.00	mg/L			07/25/23 10:59	1
Total Phosphorus as P (EPA 365.1)	**2.97**		0.0612	0.0293	mg/L		07/24/23 18:08	07/25/23 16:13	3.06
Total Phosphorus as PO4 (EPA 365.1)	**9.11**		0.188	0.0900	mg/L		07/24/23 18:08	07/25/23 16:13	3.06
Chemical Oxygen Demand (Hach 8000)	**27.0**		20.0	3.36	mg/L			07/25/23 10:00	1
Nitrogen, Organic (EPA Nitrogen,Org)	**0.632**		0.200	0.0614	mg/L			07/26/23 10:27	1
Alkalinity (SM 2320B)	**1360**		4.00	4.00	mg/L			07/20/23 12:24	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	<4.00	U	4.00	4.00	mg/L			07/20/23 12:24	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	**822**		4.00	4.00	mg/L			07/20/23 12:24	1
Specific Conductance (SM 2510B)	**2080**		10.0	10.0	umho/cm @ 25C			07/21/23 12:01	1
Total Dissolved Solids (SM 2540C)	**1170**		20.0	20.0	mg/L			07/23/23 09:45	1
Total Suspended Solids (SM 2540D)	<8.00	U	8.00	8.00	mg/L			07/25/23 10:18	1
Cr (III) (SM 3500 CR B)	<0.00200	U	0.0100	0.00200	mg/L			07/25/23 15:38	1
Chlorine, Total Residual (SM 4500 Cl G)	<0.0500	U HF	0.0500	0.0500	mg/L			07/24/23 13:42	1
pH (SM 4500 H+ B)	**7.8**	**HF**			SU			07/20/23 17:46	1
Temperature (SM 4500 H+ B)	**22.2**	**HF**			Degrees C			07/20/23 17:46	1
Sulfide (SM 4500 S2 D)	<0.0400	U	0.100	0.0400	mg/L			07/25/23 15:32	1
Biochemical Oxygen Demand (SM 5210B)	<2.14	U	2.14	2.14	mg/L		07/19/23 13:00	07/19/23 15:23	1
Total Organic Carbon (SM 5310C)	**1.35**		1.00	0.500	mg/L			07/24/23 12:20	1
Chromium, hexavalent (SM3500 CR B)	<0.00200	U	0.0100	0.00200	mg/L			07/19/23 13:37	1
Carbonaceous Biochemical Oxygen Demand (SM5210B CBOD)	<2.14	U	2.14	2.14	mg/L		07/19/23 16:08	07/19/23 18:22	1
Nitrogen, Total (EPA Total Nitrogen)	**21.4**		0.200	0.0614	mg/L			07/30/23 15:28	1

Client Sample Results

Client: Parkhill Smith & Cooper Inc.
Job ID: 820-9303-1
Project/Site: TPDES Permit Application Renewal

Client Sample ID: 4136223 Permit
Lab Sample ID: 820-9303-1
Date Collected: 07/18/23 09:30
Matrix: Water
Date Received: 07/18/23 11:50

Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Total	11		1.0	1.0	MPN/100mL			07/18/23 16:14	1
Escherichia coli	1.0		1.0	1.0	MPN/100mL			07/18/23 16:14	1

Surrogate Summary

Client: Parkhill Smith & Cooper Inc.
Job ID: 820-9303-1
Project/Site: TPDES Permit Application Renewal

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(63-144)	(74-124)	(75-131)	(80-120)
820-9303-1	4136223 Permit	100	103	101	101
LCS 860-112934/14	Lab Control Sample	96	99	101	100
LCSD 860-112934/15	Lab Control Sample Dup	98	102	100	101
MB 860-112934/21	Method Blank	101	103	103	100

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPHd14	TBP
Lab Sample ID	Client Sample ID	(29-112)	(28-114)	(15-314)	(8-424)	(20-141)	(31-132)
820-9303-1	4136223 Permit	51	21 S1-	43	13	67	43
LCS 860-113963/2-A	Lab Control Sample	51	19 S1-	46	12	75	58
LCSD 860-113963/3-A	Lab Control Sample Dup	53	19 S1-	47	13	83	67
MB 860-113963/1-A	Method Blank	74	30	68	17	79	49

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

Method: 608.3 - Organochlorine Pesticides in Water

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(15-136)	(18-126)
820-9303-1	4136223 Permit	164 S1+	107
LCS 860-113167/2-A	Lab Control Sample	131	101
LCSD 860-113167/3-A	Lab Control Sample Dup	121	94
MB 860-113167/1-A	Method Blank	128	98

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene (Surr)

Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCB1
Lab Sample ID	Client Sample ID	(18-126)	(15-136)
820-9303-1	4136223 Permit	87	107

Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		TCX1	DCB1								
Lab Sample ID	Client Sample ID	(18-126)	(15-136)								
LCS 860-113167/4-A	Lab Control Sample	84	125								
LCSD 860-113167/5-A	Lab Control Sample Dup	82	115								
MB 860-113167/1-A	Method Blank	80	121								

Surrogate Legend

TCX = Tetrachloro-m-xylene (Surr)

DCB = DCB Decachlorobiphenyl (Surr)

Method: 615 - Herbicides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		DCPAA1									
Lab Sample ID	Client Sample ID	(45-150)									
820-9303-1	4136223 Permit	119									
820-9303-1	4136223 Permit	125									
LCS 860-113651/2-A	Lab Control Sample	130									
LCS 860-113651/4-A	Lab Control Sample	128									
LCSD 860-113651/3-A	Lab Control Sample Dup	111									
LCSD 860-113651/5-A	Lab Control Sample Dup	112									
MB 860-113651/1-A	Method Blank	118									

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

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

Lab Sample ID: MB 860-112934/21
Matrix: Water
Analysis Batch: 112934

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	<0.0111	U	0.0500	0.0111	mg/L			07/19/23 14:08	1
Acrylonitrile	<0.0143	U	0.0500	0.0143	mg/L			07/19/23 14:08	1
Benzene	<0.000460	U	0.00100	0.000460	mg/L			07/19/23 14:08	1
Bromodichloromethane	<0.000552	U	0.00100	0.000552	mg/L			07/19/23 14:08	1
Bromoform	<0.000633	U	0.00500	0.000633	mg/L			07/19/23 14:08	1
Bromomethane	<0.00142	U	0.00500	0.00142	mg/L			07/19/23 14:08	1
Carbon tetrachloride	<0.000896	U	0.00500	0.000896	mg/L			07/19/23 14:08	1
Chlorobenzene	<0.000530	U	0.00100	0.000530	mg/L			07/19/23 14:08	1
Chlorodibromomethane	<0.000547	U	0.00500	0.000547	mg/L			07/19/23 14:08	1
Chloroethane	<0.00198	U	0.0100	0.00198	mg/L			07/19/23 14:08	1
2-Chloroethyl vinyl ether	<0.00252	U	0.00500	0.00252	mg/L			07/19/23 14:08	1
Chloroform	<0.000643	U	0.00100	0.000643	mg/L			07/19/23 14:08	1
Chloromethane	<0.00204	U	0.0100	0.00204	mg/L			07/19/23 14:08	1
cis-1,3-Dichloropropene	<0.00107	U	0.00500	0.00107	mg/L			07/19/23 14:08	1
1,2-Dibromoethane	<0.000999	U	0.00500	0.000999	mg/L			07/19/23 14:08	1
1,1-Dichloroethane	<0.000635	U	0.00100	0.000635	mg/L			07/19/23 14:08	1
1,2-Dichloroethane	<0.000590	U	0.00100	0.000590	mg/L			07/19/23 14:08	1
1,1-Dichloroethene	<0.000738	U	0.00100	0.000738	mg/L			07/19/23 14:08	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			07/19/23 14:08	1
1,2-Dichloropropane	<0.000667	U	0.00500	0.000667	mg/L			07/19/23 14:08	1
1,3-Dichloropropene, Total	<0.00127	U	0.00500	0.00127	mg/L			07/19/23 14:08	1
Ethylbenzene	<0.000411	U	0.00100	0.000411	mg/L			07/19/23 14:08	1
Hexachlorobutadiene	<0.00126	U	0.00500	0.00126	mg/L			07/19/23 14:08	1
m-Dichlorobenzene	<0.000513	U	0.00100	0.000513	mg/L			07/19/23 14:08	1
Methyl ethyl ketone (MEK)	<0.00828	U	0.0500	0.00828	mg/L			07/19/23 14:08	1
Naphthalene	<0.00135	U	0.0100	0.00135	mg/L			07/19/23 14:08	1
o-Dichlorobenzene	<0.000509	U	0.00100	0.000509	mg/L			07/19/23 14:08	1
p-Dichlorobenzene	<0.000513	U	0.00100	0.000513	mg/L			07/19/23 14:08	1
1,1,2,2-Tetrachloroethane	<0.000470	U	0.00100	0.000470	mg/L			07/19/23 14:08	1
Tetrachloroethylene	<0.000801	U	0.00100	0.000801	mg/L			07/19/23 14:08	1
Toluene	<0.000475	U	0.00100	0.000475	mg/L			07/19/23 14:08	1
trans-1,2-Dichloroethene	<0.000945	U	0.00100	0.000945	mg/L			07/19/23 14:08	1
1,2,4-Trichlorobenzene	<0.00175	U	0.00500	0.00175	mg/L			07/19/23 14:08	1
1,1,1-Trichloroethane	<0.00169	U	0.00500	0.00169	mg/L			07/19/23 14:08	1
1,1,2-Trichloroethane	<0.000511	U	0.00100	0.000511	mg/L			07/19/23 14:08	1
Trichloroethene	<0.000791	U	0.00500	0.000791	mg/L			07/19/23 14:08	1
Trihalomethanes, Total	<0.000643	U	0.00500	0.000643	mg/L			07/19/23 14:08	1
Vinyl chloride	<0.000638	U	0.00200	0.000638	mg/L			07/19/23 14:08	1
trans-1,3-Dichloropropene	<0.00127	U	0.00500	0.00127	mg/L			07/19/23 14:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*63 - 144*		*07/19/23 14:08*	*1*
4-Bromofluorobenzene (Surr)	*103*		*74 - 124*		*07/19/23 14:08*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 131*		*07/19/23 14:08*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*07/19/23 14:08*	*1*

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

Lab Sample ID: LCS 860-112934/14
Matrix: Water
Analysis Batch: 112934

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acrolein	0.250	0.2751		mg/L		110	60 - 140
Acrylonitrile	0.500	0.5030		mg/L		101	60 - 140
Benzene	0.0500	0.05599		mg/L		112	75 - 125
Bromodichloromethane	0.0500	0.05661		mg/L		113	75 - 125
Bromoform	0.0500	0.05774		mg/L		115	70 - 130
Bromomethane	0.0500	0.05168		mg/L		103	60 - 140
Carbon tetrachloride	0.0500	0.05448		mg/L		109	70 - 130
Chlorobenzene	0.0500	0.05614		mg/L		112	65 - 135
Chlorodibromomethane	0.0500	0.05731		mg/L		115	73 - 125
Chloroethane	0.0500	0.06200		mg/L		124	60 - 140
2-Chloroethyl vinyl ether	0.0500	0.05912		mg/L		118	50 - 150
Chloroform	0.0500	0.05916		mg/L		118	70 - 121
Chloromethane	0.0500	0.04988		mg/L		100	60 - 140
cis-1,3-Dichloropropene	0.0500	0.05750		mg/L		115	74 - 125
1,2-Dibromoethane	0.0500	0.05796		mg/L		116	73 - 125
1,1-Dichloroethane	0.0500	0.05775		mg/L		115	70 - 130
1,2-Dichloroethane	0.0500	0.05685		mg/L		114	72 - 130
1,1-Dichloroethene	0.0500	0.05422		mg/L		108	50 - 150
Methylene Chloride	0.0500	0.04168		mg/L		83	71 - 125
1,2-Dichloropropane	0.0500	0.05751		mg/L		115	74 - 125
Ethylbenzene	0.0500	0.05613		mg/L		112	75 - 125
Hexachlorobutadiene	0.0500	0.05508		mg/L		110	75 - 125
m-Dichlorobenzene	0.0500	0.05532		mg/L		111	75 - 125
Methyl ethyl ketone (MEK)	0.250	0.2872		mg/L		115	60 - 140
Naphthalene	0.0500	0.05804		mg/L		116	70 - 130
o-Dichlorobenzene	0.0500	0.05565		mg/L		111	75 - 125
p-Dichlorobenzene	0.0500	0.05539		mg/L		111	75 - 125
1,1,2,2-Tetrachloroethane	0.0500	0.05442		mg/L		109	74 - 125
Tetrachloroethylene	0.0500	0.04857		mg/L		97	71 - 125
Toluene	0.0500	0.05592		mg/L		112	70 - 130
trans-1,2-Dichloroethene	0.0500	0.04781		mg/L		96	75 - 125
1,2,4-Trichlorobenzene	0.0500	0.05745		mg/L		115	75 - 135
1,1,1-Trichloroethane	0.0500	0.05736		mg/L		115	70 - 130
1,1,2-Trichloroethane	0.0500	0.05644		mg/L		113	70 - 130
Trichloroethene	0.0500	0.05559		mg/L		111	75 - 135
Vinyl chloride	0.0500	0.05667		mg/L		113	60 - 140
trans-1,3-Dichloropropene	0.0500	0.05842		mg/L		117	66 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*63 - 144*
4-Bromofluorobenzene (Surr)	*99*		*74 - 124*
Dibromofluoromethane (Surr)	*101*		*75 - 131*
Toluene-d8 (Surr)	*100*		*80 - 120*

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

Lab Sample ID: LCSD 860-112934/15
Matrix: Water
Analysis Batch: 112934

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acrolein			0.250	0.2271		mg/L		91	60 - 140	19	25
Acrylonitrile			0.500	0.4597		mg/L		92	60 - 140	9	25
Benzene			0.0500	0.04972		mg/L		99	75 - 125	12	25
Bromodichloromethane			0.0500	0.05011		mg/L		100	75 - 125	12	25
Bromoform			0.0500	0.05230		mg/L		105	70 - 130	10	25
Bromomethane			0.0500	0.04491		mg/L		90	60 - 140	14	25
Carbon tetrachloride			0.0500	0.04789		mg/L		96	70 - 130	13	25
Chlorobenzene			0.0500	0.04945		mg/L		99	65 - 135	13	25
Chlorodibromomethane			0.0500	0.05106		mg/L		102	73 - 125	12	25
Chloroethane			0.0500	0.04979		mg/L		100	60 - 140	22	25
2-Chloroethyl vinyl ether			0.0500	0.05342		mg/L		107	50 - 150	10	25
Chloroform			0.0500	0.05157		mg/L		103	70 - 121	14	25
Chloromethane			0.0500	0.05329		mg/L		107	60 - 140	7	25
cis-1,3-Dichloropropene			0.0500	0.05081		mg/L		102	74 - 125	12	25
1,2-Dibromoethane			0.0500	0.05263		mg/L		105	73 - 125	10	25
1,1-Dichloroethane			0.0500	0.05205		mg/L		104	70 - 130	10	25
1,2-Dichloroethane			0.0500	0.05099		mg/L		102	72 - 130	11	25
1,1-Dichloroethene			0.0500	0.04238		mg/L		85	50 - 150	25	25
Methylene Chloride			0.0500	0.04016		mg/L		80	71 - 125	4	25
1,2-Dichloropropane			0.0500	0.05043		mg/L		101	74 - 125	13	25
Ethylbenzene			0.0500	0.04929		mg/L		99	75 - 125	13	25
Hexachlorobutadiene			0.0500	0.05100		mg/L		102	75 - 125	8	25
m-Dichlorobenzene			0.0500	0.05076		mg/L		102	75 - 125	9	25
Methyl ethyl ketone (MEK)			0.250	0.2621		mg/L		105	60 - 140	9	25
Naphthalene			0.0500	0.05437		mg/L		109	70 - 130	7	25
o-Dichlorobenzene			0.0500	0.05075		mg/L		101	75 - 125	9	25
p-Dichlorobenzene			0.0500	0.05061		mg/L		101	75 - 125	9	25
1,1,2,2-Tetrachloroethane			0.0500	0.05122		mg/L		102	74 - 125	6	25
Tetrachloroethylene			0.0500	0.04283		mg/L		86	71 - 125	13	25
Toluene			0.0500	0.04893		mg/L		98	70 - 130	13	25
trans-1,2-Dichloroethene			0.0500	0.04194		mg/L		84	75 - 125	13	25
1,2,4-Trichlorobenzene			0.0500	0.05280		mg/L		106	75 - 135	8	25
1,1,1-Trichloroethane			0.0500	0.04977		mg/L		100	70 - 130	14	25
1,1,2-Trichloroethane			0.0500	0.05104		mg/L		102	70 - 130	10	25
Trichloroethene			0.0500	0.04916		mg/L		98	75 - 135	12	25
Vinyl chloride			0.0500	0.05143		mg/L		103	60 - 140	10	25
trans-1,3-Dichloropropene			0.0500	0.05207		mg/L		104	66 - 125	11	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*63 - 144*
4-Bromofluorobenzene (Surr)	*102*		*74 - 124*
Dibromofluoromethane (Surr)	*100*		*75 - 131*
Toluene-d8 (Surr)	*101*		*80 - 120*

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

Lab Sample ID: MB 860-113963/1-A
Matrix: Water
Analysis Batch: 114044

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113963

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00139	U	0.00570	0.00139	mg/L		07/25/23 10:28	07/26/23 00:12	1
Acenaphthylene	<0.00141	U	0.0100	0.00141	mg/L		07/25/23 10:28	07/26/23 00:12	1
Anthracene	<0.00150	U	0.00570	0.00150	mg/L		07/25/23 10:28	07/26/23 00:12	1
Benzidine	<0.00480	U	0.0200	0.00480	mg/L		07/25/23 10:28	07/26/23 00:12	1
Benzo[a]anthracene	<0.000173	U	0.00500	0.000173	mg/L		07/25/23 10:28	07/26/23 00:12	1
Benzo[a]pyrene	<0.000364	U	0.00500	0.000364	mg/L		07/25/23 10:28	07/26/23 00:12	1
3,4-Benzofluoranthene	<0.00204	U	0.0100	0.00204	mg/L		07/25/23 10:28	07/26/23 00:12	1
Benzo[g,h,i]perylene	<0.00268	U	0.0100	0.00268	mg/L		07/25/23 10:28	07/26/23 00:12	1
Benzo[k]fluoranthene	<0.000375	U	0.00500	0.000375	mg/L		07/25/23 10:28	07/26/23 00:12	1
Bis(2-chloroethoxy)methane	<0.00176	U	0.0100	0.00176	mg/L		07/25/23 10:28	07/26/23 00:12	1
Bis(2-chloroethyl)ether	<0.00216	U	0.0100	0.00216	mg/L		07/25/23 10:28	07/26/23 00:12	1
Bis(2-ethylhexyl) phthalate	<0.000277	U	0.00500	0.000277	mg/L		07/25/23 10:28	07/26/23 00:12	1
4-Bromophenyl phenyl ether	<0.000256	U	0.00500	0.000256	mg/L		07/25/23 10:28	07/26/23 00:12	1
Butyl benzyl phthalate	<0.000337	U	0.00500	0.000337	mg/L		07/25/23 10:28	07/26/23 00:12	1
4-Chloro-3-methylphenol	<0.00157	U	0.00500	0.00157	mg/L		07/25/23 10:28	07/26/23 00:12	1
2-Chloronaphthalene	<0.000462	U	0.00500	0.000462	mg/L		07/25/23 10:28	07/26/23 00:12	1
2-Chlorophenol	<0.000649	U	0.00500	0.000649	mg/L		07/25/23 10:28	07/26/23 00:12	1
4-Chlorophenyl phenyl ether	<0.00128	U	0.0100	0.00128	mg/L		07/25/23 10:28	07/26/23 00:12	1
Chrysene	<0.000222	U	0.00500	0.000222	mg/L		07/25/23 10:28	07/26/23 00:12	1
Dibenz(a,h)anthracene	<0.000246	U	0.00500	0.000246	mg/L		07/25/23 10:28	07/26/23 00:12	1
3,3'-Dichlorobenzidine	<0.000341	U	0.00500	0.000341	mg/L		07/25/23 10:28	07/26/23 00:12	1
2,4-Dichlorophenol	<0.000314	U	0.00500	0.000314	mg/L		07/25/23 10:28	07/26/23 00:12	1
Diethyl phthalate	<0.00159	U	0.00500	0.00159	mg/L		07/25/23 10:28	07/26/23 00:12	1
2,4-Dimethylphenol	<0.000649	U	0.00500	0.000649	mg/L		07/25/23 10:28	07/26/23 00:12	1
Dimethyl phthalate	<0.000299	U	0.00250	0.000299	mg/L		07/25/23 10:28	07/26/23 00:12	1
Di-n-butyl phthalate	<0.000252	U	0.00500	0.000252	mg/L		07/25/23 10:28	07/26/23 00:12	1
4,6-Dinitro-o-cresol	<0.00144	U	0.0100	0.00144	mg/L		07/25/23 10:28	07/26/23 00:12	1
2,4-Dinitrophenol	<0.000499	U	0.0100	0.000499	mg/L		07/25/23 10:28	07/26/23 00:12	1
2,4-Dinitrotoluene	<0.00131	U	0.0100	0.00131	mg/L		07/25/23 10:28	07/26/23 00:12	1
2,6-Dinitrotoluene	<0.00161	U	0.00500	0.00161	mg/L		07/25/23 10:28	07/26/23 00:12	1
Di-n-octyl phthalate	<0.000373	U	0.00500	0.000373	mg/L		07/25/23 10:28	07/26/23 00:12	1
1,2-Diphenylhydrazine	<0.00149	U	0.0100	0.00149	mg/L		07/25/23 10:28	07/26/23 00:12	1
Fluoranthene	<0.00159	U	0.00500	0.00159	mg/L		07/25/23 10:28	07/26/23 00:12	1
Fluorene	<0.00163	U	0.00500	0.00163	mg/L		07/25/23 10:28	07/26/23 00:12	1
Hexachlorobenzene	<0.000307	U	0.00500	0.000307	mg/L		07/25/23 10:28	07/26/23 00:12	1
Hexachlorobutadiene	<0.000238	U	0.00100	0.000238	mg/L		07/25/23 10:28	07/26/23 00:12	1
Hexachlorocyclopentadiene	<0.00458	U	0.0100	0.00458	mg/L		07/25/23 10:28	07/26/23 00:12	1
Hexachloroethane	<0.000526	U	0.00480	0.000526	mg/L		07/25/23 10:28	07/26/23 00:12	1
Indeno[1,2,3-cd]pyrene	<0.00229	U	0.0100	0.00229	mg/L		07/25/23 10:28	07/26/23 00:12	1
Isophorone	<0.00164	U	0.00500	0.00164	mg/L		07/25/23 10:28	07/26/23 00:12	1
m+p-Cresol	<0.00262	U	0.0100	0.00262	mg/L		07/25/23 10:28	07/26/23 00:12	1
Naphthalene	<0.000542	U	0.00250	0.000542	mg/L		07/25/23 10:28	07/26/23 00:12	1
Nitrobenzene	<0.00166	U	0.00500	0.00166	mg/L		07/25/23 10:28	07/26/23 00:12	1
4-Nitrophenol	<0.00491	U	0.00720	0.00491	mg/L		07/25/23 10:28	07/26/23 00:12	1
2-Nitrophenol	<0.00167	U	0.0100	0.00167	mg/L		07/25/23 10:28	07/26/23 00:12	1
N-Nitrosodimethylamine	<0.00202	U	0.0100	0.00202	mg/L		07/25/23 10:28	07/26/23 00:12	1
N-Nitrosodi-n-propylamine	<0.00288	U	0.0100	0.00288	mg/L		07/25/23 10:28	07/26/23 00:12	1
N-Nitrosodiphenylamine	<0.00181	U	0.0100	0.00181	mg/L		07/25/23 10:28	07/26/23 00:12	1

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

Lab Sample ID: MB 860-113963/1-A
Matrix: Water
Analysis Batch: 114044

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113963

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Cresol	<0.00162	U	0.0100	0.00162	mg/L		07/25/23 10:28	07/26/23 00:12	1
2,2'-oxybis[1-chloropropane]	<0.00179	U	0.0100	0.00179	mg/L		07/25/23 10:28	07/26/23 00:12	1
Pentachlorophenol	<0.000234	U	0.0100	0.000234	mg/L		07/25/23 10:28	07/26/23 00:12	1
Phenanthrene	<0.00142	U	0.0100	0.00142	mg/L		07/25/23 10:28	07/26/23 00:12	1
Phenol	<0.000423	U	0.00450	0.000423	mg/L		07/25/23 10:28	07/26/23 00:12	1
Pyrene	<0.000178	U	0.00500	0.000178	mg/L		07/25/23 10:28	07/26/23 00:12	1
1,2,4,5-Tetrachlorobenzene	<0.00132	U	0.0100	0.00132	mg/L		07/25/23 10:28	07/26/23 00:12	1
1,2,4-Trichlorobenzene	<0.00161	U	0.00500	0.00161	mg/L		07/25/23 10:28	07/26/23 00:12	1
2,4,6-Trichlorophenol	<0.00142	U	0.00500	0.00142	mg/L		07/25/23 10:28	07/26/23 00:12	1
2,4,5-Trichlorophenol	<0.00200	U	0.0100	0.00200	mg/L		07/25/23 10:28	07/26/23 00:12	1
Pyridine	<0.00264	U	0.0100	0.00264	mg/L		07/25/23 10:28	07/26/23 00:12	1
Pentachlorobenzene	<0.00107	U	0.0100	0.00107	mg/L		07/25/23 10:28	07/26/23 00:12	1
Hexachlorophene	<0.0100	U	0.100	0.0100	mg/L		07/25/23 10:28	07/26/23 00:12	1
N-Nitrosodi-n-butylamine	<0.00149	U	0.0100	0.00149	mg/L		07/25/23 10:28	07/26/23 00:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*74*		*29 - 112*	*07/25/23 10:28*	*07/26/23 00:12*	*1*
2-Fluorophenol (Surr)	*30*		*28 - 114*	*07/25/23 10:28*	*07/26/23 00:12*	*1*
Nitrobenzene-d5 (Surr)	*68*		*15 - 314*	*07/25/23 10:28*	*07/26/23 00:12*	*1*
Phenol-d5 (Surr)	*17*		*8 - 424*	*07/25/23 10:28*	*07/26/23 00:12*	*1*
p-Terphenyl-d14 (Surr)	*79*		*20 - 141*	*07/25/23 10:28*	*07/26/23 00:12*	*1*
2,4,6-Tribromophenol (Surr)	*49*		*31 - 132*	*07/25/23 10:28*	*07/26/23 00:12*	*1*

Lab Sample ID: LCS 860-113963/2-A
Matrix: Water
Analysis Batch: 114044

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113963

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	0.0400	0.01867	*-	mg/L		47	60 - 132
Acenaphthylene	0.0400	0.02015	*-	mg/L		50	54 - 126
Anthracene	0.0400	0.02463		mg/L		62	43 - 120
Benzidine	0.0400	0.01109	J	mg/L		28	25 - 125
Benzo[a]anthracene	0.0400	0.02748		mg/L		69	42 - 133
Benzo[a]pyrene	0.0400	0.02508		mg/L		63	32 - 148
3,4-Benzofluoranthene	0.0400	0.02749		mg/L		69	42 - 140
Benzo[g,h,i]perylene	0.0400	0.02741		mg/L		69	13 - 195
Benzo[k]fluoranthene	0.0400	0.02784		mg/L		70	25 - 146
Bis(2-chloroethoxy)methane	0.0400	0.01875	*-	mg/L		47	49 - 165
Bis(2-chloroethyl)ether	0.0400	0.01653	*-	mg/L		41	43 - 126
Bis(2-ethylhexyl) phthalate	0.0400	0.02510		mg/L		63	29 - 137
4-Bromophenyl phenyl ether	0.0400	0.02259	*-	mg/L		56	65 - 120
Butyl benzyl phthalate	0.0400	0.02531		mg/L		63	12 - 140
4-Chloro-3-methylphenol	0.0400	0.01770		mg/L		44	41 - 128
2-Chloronaphthalene	0.0400	0.01856	*-	mg/L		46	65 - 120
2-Chlorophenol	0.0400	0.01471		mg/L		37	36 - 120
4-Chlorophenyl phenyl ether	0.0400	0.02043		mg/L		51	38 - 145
Chrysene	0.0400	0.02660		mg/L		67	44 - 140
Dibenz(a,h)anthracene	0.0400	0.02676		mg/L		67	16 - 200

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

Lab Sample ID: LCS 860-113963/2-A
Matrix: Water
Analysis Batch: 114044

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113963

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
3,3'-Dichlorobenzidine	0.0400	0.02767		mg/L		69	18 - 213
2,4-Dichlorophenol	0.0400	0.01902	*-	mg/L		48	52 - 122
Diethyl phthalate	0.0400	0.02424		mg/L		61	17 - 120
2,4-Dimethylphenol	0.0400	0.01634	*-	mg/L		41	42 - 120
Dimethyl phthalate	0.0400	0.02255		mg/L		56	25 - 120
Di-n-butyl phthalate	0.0400	0.02479		mg/L		62	8 - 120
4,6-Dinitro-o-cresol	0.0400	0.02064	*-	mg/L		52	53 - 130
2,4-Dinitrophenol	0.0400	0.01205		mg/L		30	12 - 173
2,4-Dinitrotoluene	0.0400	0.02350		mg/L		59	48 - 127
2,6-Dinitrotoluene	0.0400	0.02180	*-	mg/L		54	68 - 137
Di-n-octyl phthalate	0.0400	0.02512		mg/L		63	19 - 132
1,2-Diphenylhydrazine	0.0400	0.02059		mg/L		51	28 - 136
Fluoranthene	0.0400	0.02806		mg/L		70	43 - 121
Fluorene	0.0400	0.02052	*-	mg/L		51	70 - 120
Hexachlorobenzene	0.0400	0.02370		mg/L		59	8 - 142
Hexachlorobutadiene	0.0400	0.01607		mg/L		40	38 - 120
Hexachlorocyclopentadiene	0.0400	0.01404	*-	mg/L		35	41 - 125
Hexachloroethane	0.0400	0.01350	*-	mg/L		34	55 - 120
Indeno[1,2,3-cd]pyrene	0.0400	0.02649		mg/L		66	13 - 151
Isophorone	0.0400	0.01889		mg/L		47	47 - 180
m+p-Cresol	0.0400	0.01067		mg/L		27	14 - 176
Naphthalene	0.0400	0.01752		mg/L		44	36 - 120
Nitrobenzene	0.0400	0.01805	*-	mg/L		45	54 - 158
4-Nitrophenol	0.0400	0.006527	J	mg/L		16	13 - 129
2-Nitrophenol	0.0400	0.01822		mg/L		46	45 - 167
N-Nitrosodimethylamine	0.0400	0.007145	J *-	mg/L		18	20 - 125
N-Nitrosodi-n-propylamine	0.0400	0.01767		mg/L		44	14 - 198
N-Nitrosodiphenylamine	0.0400	0.02359		mg/L		59	2 - 196
o-Cresol	0.0400	0.01203		mg/L		30	14 - 176
2,2'-oxybis[1-chloropropane]	0.0400	0.01600	*-	mg/L		40	63 - 139
Pentachlorophenol	0.0400	0.01478	*-	mg/L		37	38 - 152
Phenanthrene	0.0400	0.02333	*-	mg/L		58	65 - 120
Phenol	0.0400	0.004743	*-	mg/L		12	17 - 120
Pyrene	0.0400	0.02791		mg/L		70	70 - 120
1,2,4,5-Tetrachlorobenzene	0.0400	0.01802		mg/L		45	41 - 125
1,2,4-Trichlorobenzene	0.0400	0.01683	*-	mg/L		42	57 - 130
2,4,6-Trichlorophenol	0.0400	0.01943	*-	mg/L		49	52 - 129
2,4,5-Trichlorophenol	0.0400	0.02037		mg/L		51	35 - 111
Pyridine	0.0400	0.004087	J	mg/L		10	5 - 94
Pentachlorobenzene	0.0400	0.02000		mg/L		50	25 - 131
N-Nitrosodi-n-butylamine	0.0400	0.01640		mg/L		41	33 - 141

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*51*		*29 - 112*
2-Fluorophenol (Surr)	*19*	*S1-*	*28 - 114*
Nitrobenzene-d5 (Surr)	*46*		*15 - 314*
Phenol-d5 (Surr)	*12*		*8 - 424*
p-Terphenyl-d14 (Surr)	*75*		*20 - 141*

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

Lab Sample ID: LCS 860-113963/2-A
Matrix: Water
Analysis Batch: 114044

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113963

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	58		31 - 132

Lab Sample ID: LCSD 860-113963/3-A
Matrix: Water
Analysis Batch: 114044

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113963

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			0.0400	0.02025	*-	mg/L		51	60 - 132	8	29
Acenaphthylene			0.0400	0.02178		mg/L		54	54 - 126	8	30
Anthracene			0.0400	0.02808		mg/L		70	43 - 120	13	30
Benzidine			0.0400	0.01785	J *1	mg/L		45	25 - 125	47	30
Benzo[a]anthracene			0.0400	0.03046		mg/L		76	42 - 133	10	30
Benzo[a]pyrene			0.0400	0.02806		mg/L		70	32 - 148	11	30
3,4-Benzofluoranthene			0.0400	0.03180		mg/L		80	42 - 140	15	30
Benzo[g,h,i]perylene			0.0400	0.02974		mg/L		74	13 - 195	8	30
Benzo[k]fluoranthene			0.0400	0.02819		mg/L		70	25 - 146	1	30
Bis(2-chloroethoxy)methane			0.0400	0.01896	*-	mg/L		47	49 - 165	1	30
Bis(2-chloroethyl)ether			0.0400	0.01600	*-	mg/L		40	43 - 126	3	30
Bis(2-ethylhexyl) phthalate			0.0400	0.02848		mg/L		71	29 - 137	13	30
4-Bromophenyl phenyl ether			0.0400	0.02509	*-	mg/L		63	65 - 120	10	26
Butyl benzyl phthalate			0.0400	0.02875		mg/L		72	12 - 140	13	30
4-Chloro-3-methylphenol			0.0400	0.02034		mg/L		51	41 - 128	14	30
2-Chloronaphthalene			0.0400	0.01887	*-	mg/L		47	65 - 120	2	15
2-Chlorophenol			0.0400	0.01494		mg/L		37	36 - 120	2	30
4-Chlorophenyl phenyl ether			0.0400	0.02255		mg/L		56	38 - 145	10	30
Chrysene			0.0400	0.02930		mg/L		73	44 - 140	10	30
Dibenz(a,h)anthracene			0.0400	0.02936		mg/L		73	16 - 200	9	30
3,3'-Dichlorobenzidine			0.0400	0.03142		mg/L		79	18 - 213	13	30
2,4-Dichlorophenol			0.0400	0.01987	*-	mg/L		50	52 - 122	4	30
Diethyl phthalate			0.0400	0.02724		mg/L		68	17 - 120	12	30
2,4-Dimethylphenol			0.0400	0.01729		mg/L		43	42 - 120	6	30
Dimethyl phthalate			0.0400	0.02494		mg/L		62	25 - 120	10	30
Di-n-butyl phthalate			0.0400	0.02843		mg/L		71	8 - 120	14	28
4,6-Dinitro-o-cresol			0.0400	0.02608		mg/L		65	53 - 130	23	30
2,4-Dinitrophenol			0.0400	0.01795	*1	mg/L		45	12 - 173	39	30
2,4-Dinitrotoluene			0.0400	0.02704		mg/L		68	48 - 127	14	25
2,6-Dinitrotoluene			0.0400	0.02479	*-	mg/L		62	68 - 137	13	29
Di-n-octyl phthalate			0.0400	0.02978		mg/L		74	19 - 132	17	30
1,2-Diphenylhydrazine			0.0400	0.02281		mg/L		57	28 - 136	10	30
Fluoranthene			0.0400	0.03217		mg/L		80	43 - 121	14	30
Fluorene			0.0400	0.02250	*-	mg/L		56	70 - 120	9	23
Hexachlorobenzene			0.0400	0.02648		mg/L		66	8 - 142	11	30
Hexachlorobutadiene			0.0400	0.01529		mg/L		38	38 - 120	5	30
Hexachlorocyclopentadiene			0.0400	0.01475	*-	mg/L		37	41 - 125	5	30
Hexachloroethane			0.0400	0.01292	*-	mg/L		32	55 - 120	4	30
Indeno[1,2,3-cd]pyrene			0.0400	0.02880		mg/L		72	13 - 151	8	30
Isophorone			0.0400	0.01959		mg/L		49	47 - 180	4	30
m+p-Cresol			0.0400	0.01126		mg/L		28	14 - 176	5	30

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

Lab Sample ID: LCSD 860-113963/3-A
Matrix: Water
Analysis Batch: 114044

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113963

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Naphthalene			0.0400	0.01730		mg/L		43	36 - 120	1	30
Nitrobenzene			0.0400	0.01827	*-	mg/L		46	54 - 158	1	30
4-Nitrophenol			0.0400	0.008061		mg/L		20	13 - 129	21	30
2-Nitrophenol			0.0400	0.01969		mg/L		49	45 - 167	8	30
N-Nitrosodimethylamine			0.0400	0.007143	J *-	mg/L		18	20 - 125	0	30
N-Nitrosodi-n-propylamine			0.0400	0.01829		mg/L		46	14 - 198	3	30
N-Nitrosodiphenylamine			0.0400	0.02629		mg/L		66	2 - 196	11	30
o-Cresol			0.0400	0.01268		mg/L		32	14 - 176	5	30
2,2'-oxybis[1-chloropropane]			0.0400	0.01603	*-	mg/L		40	63 - 139	0	30
Pentachlorophenol			0.0400	0.01933		mg/L		48	38 - 152	27	30
Phenanthrene			0.0400	0.02610		mg/L		65	65 - 120	11	30
Phenol			0.0400	0.005130	*-	mg/L		13	17 - 120	8	30
Pyrene			0.0400	0.03052		mg/L		76	70 - 120	9	30
1,2,4,5-Tetrachlorobenzene			0.0400	0.01800		mg/L		45	41 - 125	0	30
1,2,4-Trichlorobenzene			0.0400	0.01643	*-	mg/L		41	57 - 130	2	30
2,4,6-Trichlorophenol			0.0400	0.02233		mg/L		56	52 - 129	14	30
2,4,5-Trichlorophenol			0.0400	0.02368		mg/L		59	35 - 111	15	30
Pyridine			0.0400	0.004986	J	mg/L		12	5 - 94	20	30
Pentachlorobenzene			0.0400	0.02133		mg/L		53	25 - 131	6	30
N-Nitrosodi-n-butylamine			0.0400	0.01807		mg/L		45	33 - 141	10	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*53*		*29 - 112*
2-Fluorophenol (Surr)	*19*	*S1-*	*28 - 114*
Nitrobenzene-d5 (Surr)	*47*		*15 - 314*
Phenol-d5 (Surr)	*13*		*8 - 424*
p-Terphenyl-d14 (Surr)	*83*		*20 - 141*
2,4,6-Tribromophenol (Surr)	*67*		*31 - 132*

Method: 608.3 - Organochlorine Pesticides in Water

Lab Sample ID: MB 860-113167/1-A
Matrix: Water
Analysis Batch: 113174

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113167

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.00000113	U	0.0000100	0.00000113	mg/L		07/20/23 07:48	07/20/23 12:18	1
alpha-BHC	<0.00000142	U	0.00000900	0.00000142	mg/L		07/20/23 07:48	07/20/23 12:18	1
beta-BHC	<0.00000389	U	0.0000180	0.00000389	mg/L		07/20/23 07:48	07/20/23 12:18	1
delta-BHC	<0.00000245	U	0.000250	0.00000245	mg/L		07/20/23 07:48	07/20/23 12:18	1
gamma-BHC (Lindane)	<0.00000299	U	0.0000100	0.00000299	mg/L		07/20/23 07:48	07/20/23 12:18	1
4,4'-DDD	<0.000000814	U	0.0000100	0.000000814	mg/L		07/20/23 07:48	07/20/23 12:18	1
4,4'-DDE	<0.00000109	U	0.0000100	0.00000109	mg/L		07/20/23 07:48	07/20/23 12:18	1

Method: 608.3 - Organochlorine Pesticides in Water (Continued)

Lab Sample ID: MB 860-113167/1-A
Matrix: Water
Analysis Batch: 113174

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113167

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	<0.00000379	U	0.0000200	0.00000379	mg/L		07/20/23 07:48	07/20/23 12:18	1
Dieldrin	<0.000000953	U	0.0000100	0.00000953	mg/L		07/20/23 07:48	07/20/23 12:18	1
Endosulfan I	<0.00000107	U	0.0000100	0.00000107	mg/L		07/20/23 07:48	07/20/23 12:18	1
Endosulfan II	<0.00000122	U	0.0000100	0.00000122	mg/L		07/20/23 07:48	07/20/23 12:18	1
Endosulfan sulfate	<0.00000112	U	0.0000100	0.00000112	mg/L		07/20/23 07:48	07/20/23 12:18	1
Endrin	<0.00000156	U	0.0000100	0.00000156	mg/L		07/20/23 07:48	07/20/23 12:18	1
Endrin aldehyde	<0.00000118	U	0.0000100	0.00000118	mg/L		07/20/23 07:48	07/20/23 12:18	1
Heptachlor	<0.00000446	U	0.00000900	0.00000446	mg/L		07/20/23 07:48	07/20/23 12:18	1
Heptachlor epoxide	<0.00000134	U	0.0000100	0.00000134	mg/L		07/20/23 07:48	07/20/23 12:18	1
Toxaphene	<0.0000769	U	0.000200	0.0000769	mg/L		07/20/23 07:48	07/20/23 12:18	1
Chlordane	<0.000103	U	0.000250	0.000103	mg/L		07/20/23 07:48	07/20/23 12:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*128*		*15 - 136*	*07/20/23 07:48*	*07/20/23 12:18*	*1*
Tetrachloro-m-xylene (Surr)	*98*		*18 - 126*	*07/20/23 07:48*	*07/20/23 12:18*	*1*

Lab Sample ID: LCS 860-113167/2-A
Matrix: Water
Analysis Batch: 113174

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113167

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aldrin	0.000100	0.0001153		mg/L		115	42 - 140
alpha-BHC	0.000100	0.0001115		mg/L		111	37 - 140
beta-BHC	0.000100	0.0001384		mg/L		138	17 - 147
delta-BHC	0.000100	0.00009904	J	mg/L		99	19 - 140
gamma-BHC (Lindane)	0.000100	0.0001148		mg/L		115	34 - 140
4,4'-DDD	0.000100	0.0001344		mg/L		134	31 - 141
4,4'-DDE	0.000100	0.0001226		mg/L		123	30 - 145
4,4'-DDT	0.000100	0.0001347		mg/L		135	25 - 160
Dieldrin	0.000100	0.0001233		mg/L		123	36 - 146
Endosulfan I	0.000100	0.0001252		mg/L		125	45 - 153
Endosulfan II	0.000100	0.0001287		mg/L		129	22 - 171
Endosulfan sulfate	0.000100	0.0001245		mg/L		125	26 - 144
Endrin	0.000100	0.0001267		mg/L		127	30 - 147
Endrin aldehyde	0.000100	0.0001171		mg/L		117	60 - 130
Heptachlor	0.000100	0.0001149		mg/L		115	34 - 140
Heptachlor epoxide	0.000100	0.0001189		mg/L		119	37 - 142

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*131*		*15 - 136*
Tetrachloro-m-xylene (Surr)	*101*		*18 - 126*

Method: 608.3 - Organochlorine Pesticides in Water (Continued)

Lab Sample ID: LCSD 860-113167/3-A
Matrix: Water
Analysis Batch: 113174

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113167

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aldrin			0.000100	0.0001141		mg/L		114	42 - 140	1	30
alpha-BHC			0.000100	0.0001136		mg/L		114	37 - 140	2	30
beta-BHC			0.000100	0.0001342		mg/L		134	17 - 147	3	30
delta-BHC			0.000100	0.00009733	J	mg/L		97	19 - 140	2	30
gamma-BHC (Lindane)			0.000100	0.0001160		mg/L		116	34 - 140	1	30
4,4'-DDD			0.000100	0.0001296		mg/L		130	31 - 141	4	30
4,4'-DDE			0.000100	0.0001171		mg/L		117	30 - 145	5	30
4,4'-DDT			0.000100	0.0001300		mg/L		130	25 - 160	4	30
Dieldrin			0.000100	0.0001212		mg/L		121	36 - 146	2	30
Endosulfan I			0.000100	0.0001264		mg/L		126	45 - 153	1	30
Endosulfan II			0.000100	0.0001252		mg/L		125	22 - 171	3	30
Endosulfan sulfate			0.000100	0.0001206		mg/L		121	26 - 144	3	30
Endrin			0.000100	0.0001231		mg/L		123	30 - 147	3	30
Endrin aldehyde			0.000100	0.0001145		mg/L		115	60 - 130	2	30
Heptachlor			0.000100	0.0001160		mg/L		116	34 - 140	1	30
Heptachlor epoxide			0.000100	0.0001179		mg/L		118	37 - 142	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*121*		*15 - 136*
Tetrachloro-m-xylene (Surr)	*94*		*18 - 126*

Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 860-113167/1-A
Matrix: Water
Analysis Batch: 113186

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113167

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0000125	U	0.000100	0.0000125	mg/L		07/20/23 07:48	07/20/23 13:25	1
PCB-1221	<0.0000125	U	0.000100	0.0000125	mg/L		07/20/23 07:48	07/20/23 13:25	1
PCB-1232	<0.0000125	U	0.000100	0.0000125	mg/L		07/20/23 07:48	07/20/23 13:25	1
PCB-1242	<0.0000125	U	0.000100	0.0000125	mg/L		07/20/23 07:48	07/20/23 13:25	1
PCB-1248	<0.0000125	U	0.000100	0.0000125	mg/L		07/20/23 07:48	07/20/23 13:25	1
PCB-1254	<0.00000780	U	0.000100	0.0000078 0	mg/L		07/20/23 07:48	07/20/23 13:25	1
PCB-1260	<0.00000780	U	0.000100	0.0000078 0	mg/L		07/20/23 07:48	07/20/23 13:25	1
Polychlorinated biphenyls, Total	<0.000100	U	0.000100	0.000100	mg/L		07/20/23 07:48	07/20/23 13:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*80*		*18 - 126*	*07/20/23 07:48*	*07/20/23 13:25*	*1*
DCB Decachlorobiphenyl (Surr)	*121*		*15 - 136*	*07/20/23 07:48*	*07/20/23 13:25*	*1*

Lab Sample ID: LCS 860-113167/4-A
Matrix: Water
Analysis Batch: 113186

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113167

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			0.00100	0.0007608		mg/L		76	61 - 103		

Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Lab Sample ID: LCS 860-113167/4-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 113186
Prep Batch: 113167

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1260			0.00100	0.0008231		mg/L		82	37 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*84*		*18 - 126*
DCB Decachlorobiphenyl (Surr)	*125*		*15 - 136*

Lab Sample ID: LCSD 860-113167/5-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 113186
Prep Batch: 113167

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016			0.00100	0.0007988		mg/L		80	61 - 103	5	24
PCB-1260			0.00100	0.0008625		mg/L		86	37 - 130	5	28

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*82*		*18 - 126*
DCB Decachlorobiphenyl (Surr)	*115*		*15 - 136*

Method: 615 - Herbicides (GC)

Lab Sample ID: MB 860-113651/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 114272
Prep Batch: 113651

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorophene	<0.000811	U	0.00502	0.000811	mg/L		07/23/23 19:55	07/26/23 17:23	1
Silvex (2,4,5-TP)	<0.0000424	U	0.000201	0.0000424	mg/L		07/23/23 19:55	07/26/23 17:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*118*		*45 - 150*	*07/23/23 19:55*	*07/26/23 17:23*	*1*

Lab Sample ID: LCS 860-113651/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 114272
Prep Batch: 113651

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Silvex (2,4,5-TP)			0.00201	0.001916		mg/L		95	55 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*130*		*45 - 150*

Lab Sample ID: LCS 860-113651/4-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 114272
Prep Batch: 113651

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Hexachlorophene			0.00803	0.007690		mg/L		96	60 - 135		

Method: 615 - Herbicides (GC) (Continued)

Lab Sample ID: LCS 860-113651/4-A
Matrix: Water
Analysis Batch: 114272

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113651

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	128		45 - 150

Lab Sample ID: LCSD 860-113651/3-A
Matrix: Water
Analysis Batch: 114272

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113651

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silvex (2,4,5-TP)			0.00202	0.001681		mg/L		83	55 - 140	13	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	111		45 - 150

Lab Sample ID: LCSD 860-113651/5-A
Matrix: Water
Analysis Batch: 114272

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113651

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Hexachlorophene			0.00802	0.006777		mg/L		85	60 - 135	13	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	112		45 - 150

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-112992/49
Matrix: Water
Analysis Batch: 112992

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.250	U	0.500	0.250	mg/L			07/19/23 17:02	1
Fluoride	<0.100	U	0.500	0.100	mg/L			07/19/23 17:02	1
Sulfate	<0.200	U	0.500	0.200	mg/L			07/19/23 17:02	1

Lab Sample ID: LCS 860-112992/50
Matrix: Water
Analysis Batch: 112992

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			10.0	9.911		mg/L		99	90 - 110		
Fluoride			10.0	10.30		mg/L		103	90 - 110		
Sulfate			10.0	9.487		mg/L		95	90 - 110		

Lab Sample ID: LCSD 860-112992/51
Matrix: Water
Analysis Batch: 112992

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			10.0	9.955		mg/L		100	90 - 110	0	20
Fluoride			10.0	10.31		mg/L		103	90 - 110	0	20

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 860-112992/51
Matrix: Water
Analysis Batch: 112992

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate			10.0	9.516		mg/L		95	90 - 110	0	20

Lab Sample ID: LLCS 860-112992/52
Matrix: Water
Analysis Batch: 112992

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

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			0.500	0.4730	J	mg/L		95	50 - 150		
Fluoride			0.500	0.3615	J	mg/L		72	50 - 150		
Sulfate			0.500	0.4962	J	mg/L		99	50 - 150		

Lab Sample ID: MB 860-112993/3
Matrix: Water
Analysis Batch: 112993

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.0391	U	0.100	0.0391	mg/L			07/19/23 11:05	1
Nitrite as N	<0.0293	U	0.100	0.0293	mg/L			07/19/23 11:05	1
Nitrate Nitrite as N	<0.0391	U	0.100	0.0391	mg/L			07/19/23 11:05	1

Lab Sample ID: MB 860-112993/49
Matrix: Water
Analysis Batch: 112993

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.0391	U	0.100	0.0391	mg/L			07/19/23 17:02	1
Nitrite as N	<0.0293	U	0.100	0.0293	mg/L			07/19/23 17:02	1
Nitrate Nitrite as N	<0.0391	U	0.100	0.0391	mg/L			07/19/23 17:02	1

Lab Sample ID: LCS 860-112993/50
Matrix: Water
Analysis Batch: 112993

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate as N			10.0	10.11		mg/L		101	80 - 120		
Nitrite as N			10.0	9.646		mg/L		96	80 - 120		

Lab Sample ID: LCSD 860-112993/51
Matrix: Water
Analysis Batch: 112993

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N			10.0	10.13		mg/L		101	80 - 120	0	20
Nitrite as N			10.0	9.714		mg/L		97	80 - 120	1	20

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LLCS 860-112993/6
Matrix: Water
Analysis Batch: 112993

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	0.100	0.06606	J	mg/L		66	50 - 150
Nitrite as N	0.100	0.06965	J	mg/L		70	50 - 150

Method: 632 - Carbamate and Urea Pesticides (HPLC)

Lab Sample ID: MB 860-113552/1-A
Matrix: Water
Analysis Batch: 114338

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113552

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbaryl	<1.85	U	5.00	1.85	ug/L		07/22/23 06:44	07/26/23 05:24	1
Diuron	<0.0514	U	0.0900	0.0514	ug/L		07/22/23 06:44	07/26/23 05:24	1

Lab Sample ID: LCS 860-113552/2-A
Matrix: Water
Analysis Batch: 114338

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113552

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbaryl	100	113.8		ug/L		114	70 - 130
Diuron	2.00	2.591		ug/L		130	70 - 130

Lab Sample ID: LCSD 860-113552/3-A
Matrix: Water
Analysis Batch: 114338

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113552

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbaryl	100	113.7		ug/L		114	70 - 130	0	20
Diuron	2.00	2.556		ug/L		128	70 - 130	1	20

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 860-113539/1-A
Matrix: Water
Analysis Batch: 113641

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 113539

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00301	U	0.0200	0.00301	mg/L		07/21/23 20:53	07/22/23 22:59	1
Antimony	<0.00105	U	0.00200	0.00105	mg/L		07/21/23 20:53	07/22/23 22:59	1
Arsenic	<0.000341	U	0.00400	0.000341	mg/L		07/21/23 20:53	07/22/23 22:59	1
Barium	<0.000289	U	0.00400	0.000289	mg/L		07/21/23 20:53	07/22/23 22:59	1
Beryllium	<0.000148	U	0.00200	0.000148	mg/L		07/21/23 20:53	07/22/23 22:59	1
Cadmium	<0.0000850	U	0.00200	0.0000850	mg/L		07/21/23 20:53	07/22/23 22:59	1
Chromium	<0.000325	U	0.00400	0.000325	mg/L		07/21/23 20:53	07/22/23 22:59	1
Copper	<0.000690	U	0.00400	0.000690	mg/L		07/21/23 20:53	07/22/23 22:59	1
Lead	<0.000140	U	0.00200	0.000140	mg/L		07/21/23 20:53	07/22/23 22:59	1
Nickel	<0.000486	U	0.00200	0.000486	mg/L		07/21/23 20:53	07/22/23 22:59	1
Selenium	<0.000685	U	0.00200	0.000685	mg/L		07/21/23 20:53	07/22/23 22:59	1
Silver	<0.000118	U	0.00200	0.000118	mg/L		07/21/23 20:53	07/22/23 22:59	1
Thallium	<0.0000960	U	0.00200	0.0000960	mg/L		07/21/23 20:53	07/22/23 22:59	1
Zinc	<0.000885	U	0.00400	0.000885	mg/L		07/21/23 20:53	07/22/23 22:59	1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: LCS 860-113539/2-A
Matrix: Water
Analysis Batch: 113641

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 113539

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.4639		mg/L		93	85 - 115
Antimony	0.100	0.08663		mg/L		87	85 - 115
Arsenic	0.100	0.09080		mg/L		91	85 - 115
Barium	0.100	0.09239		mg/L		92	85 - 115
Beryllium	0.100	0.08892		mg/L		89	85 - 115
Cadmium	0.100	0.09030		mg/L		90	85 - 115
Chromium	0.100	0.08940		mg/L		89	85 - 115
Copper	0.100	0.08903		mg/L		89	85 - 115
Lead	0.100	0.09067		mg/L		91	85 - 115
Nickel	0.100	0.08997		mg/L		90	85 - 115
Selenium	0.100	0.08990		mg/L		90	85 - 115
Silver	0.0500	0.04707		mg/L		94	85 - 115
Thallium	0.100	0.09046		mg/L		90	85 - 115
Zinc	0.100	0.09075		mg/L		91	85 - 115

Lab Sample ID: LCSD 860-113539/3-A
Matrix: Water
Analysis Batch: 113641

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 113539

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.4668		mg/L		93	85 - 115	1	20
Antimony	0.100	0.08848		mg/L		88	85 - 115	2	20
Arsenic	0.100	0.09045		mg/L		90	85 - 115	0	20
Barium	0.100	0.09221		mg/L		92	85 - 115	0	20
Beryllium	0.100	0.08999		mg/L		90	85 - 115	1	20
Cadmium	0.100	0.09051		mg/L		91	85 - 115	0	20
Chromium	0.100	0.08896		mg/L		89	85 - 115	0	20
Copper	0.100	0.08889		mg/L		89	85 - 115	0	20
Lead	0.100	0.09083		mg/L		91	85 - 115	0	20
Nickel	0.100	0.08976		mg/L		90	85 - 115	0	20
Selenium	0.100	0.09009		mg/L		90	85 - 115	0	20
Silver	0.0500	0.04692		mg/L		94	85 - 115	0	20
Thallium	0.100	0.09006		mg/L		90	85 - 115	0	20
Zinc	0.100	0.09085		mg/L		91	85 - 115	0	20

Lab Sample ID: LLCS 860-113539/4-A
Matrix: Water
Analysis Batch: 113641

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 113539

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.0200	0.01542	J	mg/L		77	50 - 150
Antimony	0.00200	0.002278		mg/L		114	50 - 150
Arsenic	0.00400	0.003612	J	mg/L		90	50 - 150
Barium	0.00400	0.003627	J	mg/L		91	50 - 150
Beryllium	0.00200	0.001714	J	mg/L		86	50 - 150
Cadmium	0.00200	0.001775	J	mg/L		89	50 - 150
Chromium	0.00400	0.003911	J	mg/L		98	50 - 150
Copper	0.00400	0.003629	J	mg/L		91	50 - 150
Lead	0.00200	0.001761	J	mg/L		88	50 - 150

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: LLCS 860-113539/4-A
Matrix: Water
Analysis Batch: 113641

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 113539

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Nickel	0.00200	0.001767	J	mg/L		88	50 - 150
Selenium	0.00200	0.002157		mg/L		108	50 - 150
Silver	0.00200	0.001845	J	mg/L		92	50 - 150
Thallium	0.00200	0.001790	J	mg/L		90	50 - 150
Zinc	0.00400	0.003507	J	mg/L		88	50 - 150

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 860-113872/10-A
Matrix: Water
Analysis Batch: 114081

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113872

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000525	U	0.000200	0.0000525	mg/L		07/24/23 20:19	07/25/23 16:06	1

Lab Sample ID: LCS 860-113872/11-A
Matrix: Water
Analysis Batch: 114081

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113872

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.001939		mg/L		97	85 - 115

Lab Sample ID: LCSD 860-113872/12-A
Matrix: Water
Analysis Batch: 114081

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113872

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00200	0.001924		mg/L		96	85 - 115	1	20

Lab Sample ID: LLCS 860-113872/13-A
Matrix: Water
Analysis Batch: 114081

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113872

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000200	0.0002280		mg/L		114	50 - 150

Method: 1664B - HEM and SGT-HEM

Lab Sample ID: MB 860-113695/1
Matrix: Water
Analysis Batch: 113695

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	<1.57	U	5.00	1.57	mg/L			07/24/23 09:53	1

Lab Sample ID: LCS 860-113695/2
Matrix: Water
Analysis Batch: 113695

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
HEM (Oil & Grease)	40.0	35.50		mg/L		89	78 - 114

Method: 1664B - HEM and SGT-HEM

Lab Sample ID: LCSD 860-113695/3
Matrix: Water
Analysis Batch: 113695

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
HEM (Oil & Grease)			40.0	36.80		mg/L		92	78 - 114	4	18

Method: 335.4 - Cyanide, Total

Lab Sample ID: MB 860-113429/30-A
Matrix: Water
Analysis Batch: 113542

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113429

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0231	U	0.0577	0.0231	mg/L		07/21/23 14:28	07/21/23 20:29	1

Lab Sample ID: MB 860-113429/47-A
Matrix: Water
Analysis Batch: 113542

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113429

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.00200	U	0.00500	0.00200	mg/L		07/21/23 14:39	07/21/23 21:00	1

Lab Sample ID: MB 860-113429/4-A
Matrix: Water
Analysis Batch: 113542

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113429

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.00200	U	0.00500	0.00200	mg/L		07/21/23 11:49	07/21/23 19:47	1

Lab Sample ID: LCS 860-113429/48-A
Matrix: Water
Analysis Batch: 113542

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113429

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total			0.100	0.09726		mg/L		97	90 - 110

Lab Sample ID: LCS 860-113429/5-A
Matrix: Water
Analysis Batch: 113542

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113429

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total			0.100	0.09719		mg/L		97	90 - 110

Lab Sample ID: LCSD 860-113429/32-A
Matrix: Water
Analysis Batch: 113542

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113429

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total			1.15	1.140		mg/L		99	90 - 110	0	20

Method: 335.4 - Cyanide, Total (Continued)

Lab Sample ID: LCSD 860-113429/49-A
Matrix: Water
Analysis Batch: 113542

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113429

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total			0.100	0.09590		mg/L		96	90 - 110	1	20

Lab Sample ID: LLCS 860-113429/6-A
Matrix: Water
Analysis Batch: 113542

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113429

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total			0.00500	0.004437	J	mg/L		89	50 - 150		

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 860-113251/134
Matrix: Water
Analysis Batch: 113251

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.0345	U	0.100	0.0345	mg/L			07/19/23 23:15	1

Lab Sample ID: LCS 860-113251/135
Matrix: Water
Analysis Batch: 113251

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia			1.00	1.086		mg/L		109	90 - 110		

Lab Sample ID: LCSD 860-113251/136
Matrix: Water
Analysis Batch: 113251

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia			1.00	1.094		mg/L		109	90 - 110	1	20

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 860-113822/4-A
Matrix: Water
Analysis Batch: 114070

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113822

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Kjeldahl	<0.0890	U	0.200	0.0890	mg/L		07/24/23 16:54	07/25/23 15:22	1

Lab Sample ID: LCS 860-113822/6-A
Matrix: Water
Analysis Batch: 114070

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113822

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrogen, Kjeldahl			2.00	1.994		mg/L		100	90 - 110		

Method: 351.2 - Nitrogen, Total Kjeldahl (Continued)

Lab Sample ID: LCSD 860-113822/7-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 114070
Prep Batch: 113822

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrogen, Kjeldahl	2.00	1.989		mg/L		99	90 - 110	0	20

Lab Sample ID: LLCS 860-113822/5-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 114070
Prep Batch: 113822

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Kjeldahl	0.200	0.2109		mg/L		105	50 - 150

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 860-113846/31-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 114071
Prep Batch: 113846

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphorus as P	<0.00959	U	0.0200	0.00959	mg/L		07/24/23 18:08	07/25/23 15:46	1
Total Phosphorus as PO4	<0.0294	U	0.0613	0.0294	mg/L		07/24/23 18:08	07/25/23 15:46	1

Lab Sample ID: LCS 860-113846/32-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 114071
Prep Batch: 113846

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	0.250	0.2486		mg/L		99	90 - 110
Total Phosphorus as PO4	0.766	0.7622		mg/L		99	90 - 120

Lab Sample ID: LCSD 860-113846/33-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 114071
Prep Batch: 113846

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Phosphorus as P	0.250	0.2492		mg/L		100	90 - 110	0	20
Total Phosphorus as PO4	0.766	0.7640		mg/L		100	90 - 120	0	20

Lab Sample ID: 820-9303-1 MS
Client Sample ID: 4136223 Permit
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 114071
Prep Batch: 113846

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	2.97		0.250	3.124	4	mg/L		62	90 - 110
Total Phosphorus as PO4	9.11		0.766	9.578	4	mg/L		62	90 - 120

Lab Sample ID: 820-9303-1 MSD
Client Sample ID: 4136223 Permit
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 114071
Prep Batch: 113846

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Phosphorus as P	2.97		0.250	3.117	4	mg/L		59	90 - 110	0	20
Total Phosphorus as PO4	9.11		0.766	9.557	4	mg/L		59	90 - 120	0	20

Method: 8000 - COD

Lab Sample ID: MB 860-113943/3
Matrix: Water
Analysis Batch: 113943

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<3.36	U	20.0	3.36	mg/L			07/25/23 09:54	1

Lab Sample ID: LCS 860-113943/4
Matrix: Water
Analysis Batch: 113943

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	100	104.0		mg/L		104	90 - 110

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-113305/3
Matrix: Water
Analysis Batch: 113305

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			07/20/23 11:33	1
Bicarbonate Alkalinity as CaCO3	<4.00	U	4.00	4.00	mg/L			07/20/23 11:33	1
Carbonate Alkalinity as CaCO3	<4.00	U	4.00	4.00	mg/L			07/20/23 11:33	1

Lab Sample ID: LCS 860-113305/4
Matrix: Water
Analysis Batch: 113305

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	250	251.3		mg/L		101	85 - 115

Lab Sample ID: LCSD 860-113305/5
Matrix: Water
Analysis Batch: 113305

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Alkalinity	250	253.6		mg/L		101	85 - 115	1	20

Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: MB 860-113430/2
Matrix: Water
Analysis Batch: 113430

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	<10.0	U	10.0	10.0	umho/cm @ 25C			07/21/23 12:01	1

Lab Sample ID: LCS 860-113430/3
Matrix: Water
Analysis Batch: 113430

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Specific Conductance	1410	1422		umho/cm @ 25C		101	85 - 115

Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: LCSD 860-113430/4
Matrix: Water
Analysis Batch: 113430

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Specific Conductance			1410	1424		umho/cm @ 25C		101	85 - 115	0	20

Lab Sample ID: 820-9303-1 DU
Matrix: Water
Analysis Batch: 113430

Client Sample ID: 4136223 Permit
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Specific Conductance	2080			2082		umho/cm @ 25C				0.1	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 860-113611/1
Matrix: Water
Analysis Batch: 113611

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<5.00	U	5.00	5.00	mg/L			07/23/23 09:45	1

Lab Sample ID: LCS 860-113611/2
Matrix: Water
Analysis Batch: 113611

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			1000	1007		mg/L		101	80 - 120		

Lab Sample ID: LCSD 860-113611/3
Matrix: Water
Analysis Batch: 113611

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids			1000	1007		mg/L		101	80 - 120	0	10

Lab Sample ID: LLCS 860-113611/4
Matrix: Water
Analysis Batch: 113611

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

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			5.00	<5.00	U	mg/L		90	50 - 150		

Lab Sample ID: 820-9303-1 DU
Matrix: Water
Analysis Batch: 113611

Client Sample ID: 4136223 Permit
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1170			1196		mg/L				2	10

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 860-113947/1
Matrix: Water
Analysis Batch: 113947

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<4.00	U	4.00	4.00	mg/L			07/25/23 10:18	1

Lab Sample ID: LCS 860-113947/2
Matrix: Water
Analysis Batch: 113947

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	106.0		mg/L		106	80 - 120

Lab Sample ID: LCSD 860-113947/3
Matrix: Water
Analysis Batch: 113947

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Suspended Solids	100	107.0		mg/L		107	80 - 120	1	10

Method: SM 4500 Cl G - Chlorine, Residual

Lab Sample ID: MB 860-113790/3
Matrix: Water
Analysis Batch: 113790

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorine, Total Residual	<0.0500	U	0.0500	0.0500	mg/L			07/24/23 13:42	1

Lab Sample ID: LCS 860-113790/4
Matrix: Water
Analysis Batch: 113790

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorine, Total Residual	0.250	0.2591		mg/L		104	85 - 115

Lab Sample ID: LCSD 860-113790/5
Matrix: Water
Analysis Batch: 113790

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chlorine, Total Residual	0.250	0.2670		mg/L		107	85 - 115	3	20

Lab Sample ID: 820-9303-1 MS
Matrix: Water
Analysis Batch: 113790

Client Sample ID: 4136223 Permit
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorine, Total Residual	<0.0500	U HF	0.250	0.2591		mg/L		104	90 - 110

Method: SM 4500 Cl G - Chlorine, Residual (Continued)

Lab Sample ID: 820-9303-1 MSD
Matrix: Water
Analysis Batch: 113790

Client Sample ID: 4136223 Permit
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chlorine, Total Residual	<0.0500	U HF	0.250	0.2591		mg/L		104	90 - 110	0	20

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: MB 860-114017/3
Matrix: Water
Analysis Batch: 114017

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.0400	U	0.100	0.0400	mg/L			07/25/23 15:32	1

Lab Sample ID: LCS 860-114017/4
Matrix: Water
Analysis Batch: 114017

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	1.00	0.9684		mg/L		97	90 - 110

Lab Sample ID: LCSD 860-114017/5
Matrix: Water
Analysis Batch: 114017

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	1.00	0.9699		mg/L		97	90 - 110	0	20

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: SCB 860-113787/2
Matrix: Water
Analysis Batch: 113787

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

Analyte	SCB Result	SCB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	0.7740		0.0000020	0.0000020	mg/L			07/19/23 13:41	1
			0	0					

Lab Sample ID: USB 860-113787/1
Matrix: Water
Analysis Batch: 113787

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

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	0.2650		0.0000020	0.0000020	mg/L			07/19/23 13:40	1
			0	0					

Lab Sample ID: LCS 860-113787/3
Matrix: Water
Analysis Batch: 113787

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biochemical Oxygen Demand	198	207.6		mg/L		105	85 - 115

Method: SM 5310C - TOC

Lab Sample ID: MB 860-113874/3
Matrix: Water
Analysis Batch: 113874

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<0.500	U	1.00	0.500	mg/L			07/24/23 11:34	1

Lab Sample ID: LCS 860-113874/4
Matrix: Water
Analysis Batch: 113874

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	5.00	5.232		mg/L		105	90 - 110

Lab Sample ID: LCSD 860-113874/5
Matrix: Water
Analysis Batch: 113874

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon	5.00	5.235		mg/L		105	90 - 110	0	20

Lab Sample ID: LLCS 860-113887/16
Matrix: Water
Analysis Batch: 113887

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	1.00	1.212		mg/L		121	50 - 150

Method: SM3500 CR B - Chromium,Hexavalent

Lab Sample ID: MB 860-113065/3
Matrix: Water
Analysis Batch: 113065

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	<0.00200	U	0.0100	0.00200	mg/L			07/19/23 13:37	1

Lab Sample ID: LCS 860-113065/4
Matrix: Water
Analysis Batch: 113065

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium, hexavalent	0.200	0.2022		mg/L		101	80 - 120

Lab Sample ID: LCSD 860-113065/5
Matrix: Water
Analysis Batch: 113065

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	0.200	0.2035		mg/L		102	80 - 120	1	20

Method: SM3500 CR B - Chromium,Hexavalent (Continued)

Lab Sample ID: 820-9303-1 MS
Matrix: Water
Analysis Batch: 113065

Client Sample ID: 4136223 Permit
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chromium, hexavalent	<0.00200	U	0.200	0.1848		mg/L		92	80 - 120		

Lab Sample ID: 820-9303-1 MSD
Matrix: Water
Analysis Batch: 113065

Client Sample ID: 4136223 Permit
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	<0.00200	U	0.200	0.1861		mg/L		93	80 - 120	1	20

Method: SM5210B CBOD - Carbonaceous BOD, 5 Day

Lab Sample ID: SCB 860-113823/2
Matrix: Water
Analysis Batch: 113823

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

Analyte	SCB Result	SCB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbonaceous Biochemical Oxygen Demand	0.9600		0.0000020 0	0.0000020 0	mg/L			07/19/23 17:53	1

Lab Sample ID: USB 860-113823/1
Matrix: Water
Analysis Batch: 113823

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

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbonaceous Biochemical Oxygen Demand	0.1700		0.0000020 0	0.0000020 0	mg/L			07/19/23 17:51	1

Lab Sample ID: LCS 860-113823/3
Matrix: Water
Analysis Batch: 113823

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Carbonaceous Biochemical Oxygen Demand			198	206.7		mg/L		104	85 - 115		

GC/MS VOA

Analysis Batch: 112934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	624.1	
MB 860-112934/21	Method Blank	Total/NA	Water	624.1	
LCS 860-112934/14	Lab Control Sample	Total/NA	Water	624.1	
LCSD 860-112934/15	Lab Control Sample Dup	Total/NA	Water	624.1	

GC/MS Semi VOA

Prep Batch: 113963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	625	
MB 860-113963/1-A	Method Blank	Total/NA	Water	625	
LCS 860-113963/2-A	Lab Control Sample	Total/NA	Water	625	
LCSD 860-113963/3-A	Lab Control Sample Dup	Total/NA	Water	625	

Analysis Batch: 114044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	625.1	113963
MB 860-113963/1-A	Method Blank	Total/NA	Water	625.1	113963
LCS 860-113963/2-A	Lab Control Sample	Total/NA	Water	625.1	113963
LCSD 860-113963/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	113963

Prep Batch: 114275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1 - RE	4136223 Permit	Total/NA	Water	625	
MB 860-114275/1-A	Method Blank	Total/NA	Water	625	
LCS 860-114275/2-A	Lab Control Sample	Total/NA	Water	625	
LCSD 860-114275/3-A	Lab Control Sample Dup	Total/NA	Water	625	

Analysis Batch: 114367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1 - RE	4136223 Permit	Total/NA	Water	625.1	114275
MB 860-114275/1-A	Method Blank	Total/NA	Water	625.1	114275
LCS 860-114275/2-A	Lab Control Sample	Total/NA	Water	625.1	114275
LCSD 860-114275/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	114275

GC Semi VOA

Prep Batch: 113167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	608	
MB 860-113167/1-A	Method Blank	Total/NA	Water	608	
LCS 860-113167/2-A	Lab Control Sample	Total/NA	Water	608	
LCS 860-113167/4-A	Lab Control Sample	Total/NA	Water	608	
LCSD 860-113167/3-A	Lab Control Sample Dup	Total/NA	Water	608	
LCSD 860-113167/5-A	Lab Control Sample Dup	Total/NA	Water	608	

Analysis Batch: 113174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	608.3	113167
MB 860-113167/1-A	Method Blank	Total/NA	Water	608.3	113167
LCS 860-113167/2-A	Lab Control Sample	Total/NA	Water	608.3	113167
LCSD 860-113167/3-A	Lab Control Sample Dup	Total/NA	Water	608.3	113167

GC Semi VOA

Analysis Batch: 113186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	608.3	113167
MB 860-113167/1-A	Method Blank	Total/NA	Water	608.3	113167
LCS 860-113167/4-A	Lab Control Sample	Total/NA	Water	608.3	113167
LCSD 860-113167/5-A	Lab Control Sample Dup	Total/NA	Water	608.3	113167

Prep Batch: 113651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	3511	
MB 860-113651/1-A	Method Blank	Total/NA	Water	3511	
LCS 860-113651/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 860-113651/4-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 860-113651/3-A	Lab Control Sample Dup	Total/NA	Water	3511	
LCSD 860-113651/5-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 114272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	615	113651
MB 860-113651/1-A	Method Blank	Total/NA	Water	615	113651
LCS 860-113651/2-A	Lab Control Sample	Total/NA	Water	615	113651
LCS 860-113651/4-A	Lab Control Sample	Total/NA	Water	615	113651
LCSD 860-113651/3-A	Lab Control Sample Dup	Total/NA	Water	615	113651
LCSD 860-113651/5-A	Lab Control Sample Dup	Total/NA	Water	615	113651

Analysis Batch: 114462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	615	113651

HPLC/IC

Analysis Batch: 112992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	300.0	
MB 860-112992/49	Method Blank	Total/NA	Water	300.0	
LCS 860-112992/50	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-112992/51	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-112992/52	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 112993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	300.0	
820-9303-1 - DL	4136223 Permit	Total/NA	Water	300.0	
MB 860-112993/3	Method Blank	Total/NA	Water	300.0	
MB 860-112993/49	Method Blank	Total/NA	Water	300.0	
LCS 860-112993/50	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-112993/51	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-112993/6	Lab Control Sample	Total/NA	Water	300.0	

Prep Batch: 113552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	CWA_Prep	
MB 860-113552/1-A	Method Blank	Total/NA	Water	CWA_Prep	

HPLC/IC (Continued)

Prep Batch: 113552 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 860-113552/2-A	Lab Control Sample	Total/NA	Water	CWA_Prep	
LCSD 860-113552/3-A	Lab Control Sample Dup	Total/NA	Water	CWA_Prep	

Analysis Batch: 114338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	632	113552
MB 860-113552/1-A	Method Blank	Total/NA	Water	632	113552
LCS 860-113552/2-A	Lab Control Sample	Total/NA	Water	632	113552
LCSD 860-113552/3-A	Lab Control Sample Dup	Total/NA	Water	632	113552

Metals

Prep Batch: 113539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total Recoverable	Water	200.8	
MB 860-113539/1-A	Method Blank	Total Recoverable	Water	200.8	
LCS 860-113539/2-A	Lab Control Sample	Total Recoverable	Water	200.8	
LCSD 860-113539/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	
LLCS 860-113539/4-A	Lab Control Sample	Total Recoverable	Water	200.8	

Analysis Batch: 113641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total Recoverable	Water	200.8	113539
MB 860-113539/1-A	Method Blank	Total Recoverable	Water	200.8	113539
LCS 860-113539/2-A	Lab Control Sample	Total Recoverable	Water	200.8	113539
LCSD 860-113539/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	113539
LLCS 860-113539/4-A	Lab Control Sample	Total Recoverable	Water	200.8	113539

Prep Batch: 113872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	245.1	
MB 860-113872/10-A	Method Blank	Total/NA	Water	245.1	
LCS 860-113872/11-A	Lab Control Sample	Total/NA	Water	245.1	
LCSD 860-113872/12-A	Lab Control Sample Dup	Total/NA	Water	245.1	
LLCS 860-113872/13-A	Lab Control Sample	Total/NA	Water	245.1	

Analysis Batch: 114081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	245.1	113872
MB 860-113872/10-A	Method Blank	Total/NA	Water	245.1	113872
LCS 860-113872/11-A	Lab Control Sample	Total/NA	Water	245.1	113872
LCSD 860-113872/12-A	Lab Control Sample Dup	Total/NA	Water	245.1	113872
LLCS 860-113872/13-A	Lab Control Sample	Total/NA	Water	245.1	113872

General Chemistry

Analysis Batch: 113065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	SM3500 CR B	
MB 860-113065/3	Method Blank	Total/NA	Water	SM3500 CR B	
LCS 860-113065/4	Lab Control Sample	Total/NA	Water	SM3500 CR B	
LCSD 860-113065/5	Lab Control Sample Dup	Total/NA	Water	SM3500 CR B	

General Chemistry (Continued)

Analysis Batch: 113065 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1 MS	4136223 Permit	Total/NA	Water	SM3500 CR B	
820-9303-1 MSD	4136223 Permit	Total/NA	Water	SM3500 CR B	

Prep Batch: 113078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	BOD Prep	

Prep Batch: 113123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	BOD Prep	

Analysis Batch: 113251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	350.1	
MB 860-113251/134	Method Blank	Total/NA	Water	350.1	
LCS 860-113251/135	Lab Control Sample	Total/NA	Water	350.1	
LCSD 860-113251/136	Lab Control Sample Dup	Total/NA	Water	350.1	

Analysis Batch: 113305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	SM 2320B	
MB 860-113305/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-113305/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-113305/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	

Analysis Batch: 113328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	SM 4500 H+ B	

Prep Batch: 113429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	Distill/CN	
MB 860-113429/30-A	Method Blank	Total/NA	Water	Distill/CN	
MB 860-113429/47-A	Method Blank	Total/NA	Water	Distill/CN	
MB 860-113429/4-A	Method Blank	Total/NA	Water	Distill/CN	
LCS 860-113429/48-A	Lab Control Sample	Total/NA	Water	Distill/CN	
LCS 860-113429/5-A	Lab Control Sample	Total/NA	Water	Distill/CN	
LCSD 860-113429/32-A	Lab Control Sample Dup	Total/NA	Water	Distill/CN	
LCSD 860-113429/49-A	Lab Control Sample Dup	Total/NA	Water	Distill/CN	
LLCS 860-113429/6-A	Lab Control Sample	Total/NA	Water	Distill/CN	

Analysis Batch: 113430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	SM 2510B	
MB 860-113430/2	Method Blank	Total/NA	Water	SM 2510B	
LCS 860-113430/3	Lab Control Sample	Total/NA	Water	SM 2510B	
LCSD 860-113430/4	Lab Control Sample Dup	Total/NA	Water	SM 2510B	
820-9303-1 DU	4136223 Permit	Total/NA	Water	SM 2510B	

General Chemistry

Analysis Batch: 113542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	335.4	113429
MB 860-113429/30-A	Method Blank	Total/NA	Water	335.4	113429
MB 860-113429/47-A	Method Blank	Total/NA	Water	335.4	113429
MB 860-113429/4-A	Method Blank	Total/NA	Water	335.4	113429
LCS 860-113429/48-A	Lab Control Sample	Total/NA	Water	335.4	113429
LCS 860-113429/5-A	Lab Control Sample	Total/NA	Water	335.4	113429
LCSD 860-113429/32-A	Lab Control Sample Dup	Total/NA	Water	335.4	113429
LCSD 860-113429/49-A	Lab Control Sample Dup	Total/NA	Water	335.4	113429
LLCS 860-113429/6-A	Lab Control Sample	Total/NA	Water	335.4	113429

Analysis Batch: 113611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	SM 2540C	
MB 860-113611/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 860-113611/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 860-113611/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
LLCS 860-113611/4	Lab Control Sample	Total/NA	Water	SM 2540C	
820-9303-1 DU	4136223 Permit	Total/NA	Water	SM 2540C	

Analysis Batch: 113695

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	1664B	
MB 860-113695/1	Method Blank	Total/NA	Water	1664B	
LCS 860-113695/2	Lab Control Sample	Total/NA	Water	1664B	
LCSD 860-113695/3	Lab Control Sample Dup	Total/NA	Water	1664B	

Analysis Batch: 113787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	SM 5210B	113078
SCB 860-113787/2	Method Blank	Total/NA	Water	SM 5210B	
USB 860-113787/1	Method Blank	Total/NA	Water	SM 5210B	
LCS 860-113787/3	Lab Control Sample	Total/NA	Water	SM 5210B	

Analysis Batch: 113790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	SM 4500 Cl G	
MB 860-113790/3	Method Blank	Total/NA	Water	SM 4500 Cl G	
LCS 860-113790/4	Lab Control Sample	Total/NA	Water	SM 4500 Cl G	
LCSD 860-113790/5	Lab Control Sample Dup	Total/NA	Water	SM 4500 Cl G	
820-9303-1 MS	4136223 Permit	Total/NA	Water	SM 4500 Cl G	
820-9303-1 MSD	4136223 Permit	Total/NA	Water	SM 4500 Cl G	

Prep Batch: 113822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	351.2	
MB 860-113822/4-A	Method Blank	Total/NA	Water	351.2	
LCS 860-113822/6-A	Lab Control Sample	Total/NA	Water	351.2	
LCSD 860-113822/7-A	Lab Control Sample Dup	Total/NA	Water	351.2	
LLCS 860-113822/5-A	Lab Control Sample	Total/NA	Water	351.2	

General Chemistry

Analysis Batch: 113823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	SM5210B CBOD	113123
SCB 860-113823/2	Method Blank	Total/NA	Water	SM5210B CBOD	
USB 860-113823/1	Method Blank	Total/NA	Water	SM5210B CBOD	
LCS 860-113823/3	Lab Control Sample	Total/NA	Water	SM5210B CBOD	

Prep Batch: 113846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	365.2/365.3/365	
MB 860-113846/31-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 860-113846/32-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	
LCSD 860-113846/33-A	Lab Control Sample Dup	Total/NA	Water	365.2/365.3/365	
820-9303-1 MS	4136223 Permit	Total/NA	Water	365.2/365.3/365	
820-9303-1 MSD	4136223 Permit	Total/NA	Water	365.2/365.3/365	

Analysis Batch: 113874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	SM 5310C	
MB 860-113874/3	Method Blank	Total/NA	Water	SM 5310C	
LCS 860-113874/4	Lab Control Sample	Total/NA	Water	SM 5310C	
LCSD 860-113874/5	Lab Control Sample Dup	Total/NA	Water	SM 5310C	

Analysis Batch: 113887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LLCS 860-113887/16	Lab Control Sample	Total/NA	Water	SM 5310C	

Analysis Batch: 113943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	8000	
MB 860-113943/3	Method Blank	Total/NA	Water	8000	
LCS 860-113943/4	Lab Control Sample	Total/NA	Water	8000	

Analysis Batch: 113947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	SM 2540D	
MB 860-113947/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 860-113947/2	Lab Control Sample	Total/NA	Water	SM 2540D	
LCSD 860-113947/3	Lab Control Sample Dup	Total/NA	Water	SM 2540D	

Analysis Batch: 113972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	360.1	

Analysis Batch: 114017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	SM 4500 S2 D	
MB 860-114017/3	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 860-114017/4	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
LCSD 860-114017/5	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 D	

General Chemistry

Analysis Batch: 114059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	SM 3500 CR B	

Analysis Batch: 114070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	351.2	113822
MB 860-113822/4-A	Method Blank	Total/NA	Water	351.2	113822
LCS 860-113822/6-A	Lab Control Sample	Total/NA	Water	351.2	113822
LCSD 860-113822/7-A	Lab Control Sample Dup	Total/NA	Water	351.2	113822
LLCS 860-113822/5-A	Lab Control Sample	Total/NA	Water	351.2	113822

Analysis Batch: 114071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	365.1	113846
MB 860-113846/31-A	Method Blank	Total/NA	Water	365.1	113846
LCS 860-113846/32-A	Lab Control Sample	Total/NA	Water	365.1	113846
LCSD 860-113846/33-A	Lab Control Sample Dup	Total/NA	Water	365.1	113846
820-9303-1 MS	4136223 Permit	Total/NA	Water	365.1	113846
820-9303-1 MSD	4136223 Permit	Total/NA	Water	365.1	113846

Analysis Batch: 114179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	Nitrogen,Org	

Analysis Batch: 114830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	Total Nitrogen	

Biology

Analysis Batch: 1840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-9303-1	4136223 Permit	Total/NA	Water	9223B	

Lab Chronicle

Client: Parkhill Smith & Cooper Inc.
Job ID: 820-9303-1
Project/Site: TPDES Permit Application Renewal

Client Sample ID: 4136223 Permit
Lab Sample ID: 820-9303-1
Date Collected: 07/18/23 09:30
Matrix: Water
Date Received: 07/18/23 11:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	5 mL	5 mL	112934	07/19/23 19:37	TTD	EET HOU
Total/NA	Prep	625			1000 mL	1.00 mL	113963	07/25/23 10:28	DR	EET HOU
Total/NA	Analysis	625.1		1	1 mL	1 mL	114044	07/26/23 00:36	PXS	EET HOU
Total/NA	Prep	625	RE		1000 mL	1.00 mL	114275	07/26/23 14:35	DR	EET HOU
Total/NA	Analysis	625.1	RE	1	1 mL	1 mL	114367	07/27/23 14:51	LPL	EET HOU
Total/NA	Prep	608			1000 mL	1.00 mL	113167	07/20/23 07:48	DR	EET HOU
Total/NA	Analysis	608.3		1			113186	07/20/23 13:59	WP	EET HOU
Total/NA	Prep	608			1000 mL	1.00 mL	113167	07/20/23 07:48	DR	EET HOU
Total/NA	Analysis	608.3		1			113174	07/20/23 15:28	WP	EET HOU
Total/NA	Prep	3511			49.8 mL	4 mL	113651	07/23/23 19:55	JN	EET HOU
Total/NA	Analysis	615		1			114272	07/26/23 19:41	WP	EET HOU
Total/NA	Prep	3511			49.8 mL	4 mL	113651	07/23/23 19:55	JN	EET HOU
Total/NA	Analysis	615		1			114462	07/27/23 19:12	WP	EET HOU
Total/NA	Analysis	300.0		1			112992	07/19/23 19:25	WP	EET HOU
Total/NA	Analysis	300.0		1			112993	07/19/23 19:25	WP	EET HOU
Total/NA	Analysis	300.0	DL	10			112993	07/19/23 19:33	WP	EET HOU
Total/NA	Prep	CWA_Prep			1000 mL	10 mL	113552	07/22/23 06:44	DR	EET HOU
Total/NA	Analysis	632		1			114338	07/26/23 08:09	AA	EET HOU
Total Recoverable	Prep	200.8			50 mL	50 mL	113539	07/21/23 20:53	AGR	EET HOU
Total Recoverable	Analysis	200.8		1			113641	07/22/23 23:57	DP	EET HOU
Total/NA	Prep	245.1			50 mL	50 mL	113872	07/24/23 20:20	AGR	EET HOU
Total/NA	Analysis	245.1		1			114081	07/25/23 16:30	SHZ	EET HOU
Total/NA	Analysis	1664B		1	1000 mL	1000 mL	113695	07/24/23 09:53	JCM	EET HOU
Total/NA	Prep	Distill/CN			6 mL	6 mL	113429	07/21/23 11:49	CL	EET HOU
Total/NA	Analysis	335.4		1			113542	07/21/23 20:22	CL	EET HOU
Total/NA	Analysis	350.1		1	10 mL	10 mL	113251	07/19/23 23:41	ADL	EET HOU
Total/NA	Prep	351.2			20 mL	20 mL	113822	07/24/23 16:54	LD	EET HOU
Total/NA	Analysis	351.2		1			114070	07/25/23 15:28	AA	EET HOU
Total/NA	Analysis	360.1		1			113972	07/25/23 10:59	HN	EET HOU
Total/NA	Prep	365.2/365.3/365			10 mL	10 mL	113846	07/24/23 18:08	LD	EET HOU
Total/NA	Analysis	365.1		3.06			114071	07/25/23 16:13	AA	EET HOU
Total/NA	Analysis	8000		1	2 mL	2 mL	113943	07/25/23 10:00	HN	EET HOU
Total/NA	Analysis	Nitrogen,Org		1			114179	07/26/23 10:27	MC	EET HOU
Total/NA	Analysis	SM 2320B		1			113305	07/20/23 12:24	TL	EET HOU
Total/NA	Analysis	SM 2510B		1			113430	07/21/23 12:01	TL	EET HOU
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	113611	07/23/23 09:45	OH	EET HOU
Total/NA	Analysis	SM 2540D		1	500 mL	1000 mL	113947	07/25/23 10:18	OH	EET HOU
Total/NA	Analysis	SM 3500 CR B		1			114059	07/25/23 15:38	MC	EET HOU
Total/NA	Analysis	SM 4500 Cl G		1	10 mL	10 mL	113790	07/24/23 13:42	SCI	EET HOU
Total/NA	Analysis	SM 4500 H+ B		1			113328	07/20/23 17:46	TL	EET HOU
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	114017	07/25/23 15:32	SCI	EET HOU

Lab Chronicle

Client: Parkhill Smith & Cooper Inc. Job ID: 820-9303-1
Project/Site: TPDES Permit Application Renewal

Client Sample ID: 4136223 Permit **Lab Sample ID: 820-9303-1**
Date Collected: 07/18/23 09:30 **Matrix: Water**
Date Received: 07/18/23 11:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	BOD Prep					113078	07/19/23 13:00	ALL	EET HOU
Total/NA	Analysis	SM 5210B		1	280 mL	300 mL	113787	07/19/23 15:23	HN	EET HOU
Total/NA	Analysis	SM 5310C		1	40 mL	40 mL	113874	07/24/23 12:20	YG	EET HOU
Total/NA	Analysis	SM3500 CR B		1	25 mL	25 mL	113065	07/19/23 13:37	TL	EET HOU
Total/NA	Prep	BOD Prep					113123	07/19/23 16:08	ALL	EET HOU
Total/NA	Analysis	SM5210B CBOD		1	280 mL	300 mL	113823	07/19/23 18:22	HN	EET HOU
Total/NA	Analysis	Total Nitrogen		1			114830	07/30/23 15:28	MC	EET HOU
Total/NA	Analysis	9223B		1	100 mL	100 mL	1840	07/18/23 16:14	LT	EET LUB

Laboratory References:

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

EET LUB = Eurofins Lubbock, 6701 Aberdeen Ave., Suite 8, Lubbock, TX 79424, TEL (806)794-1296

Accreditation/Certification Summary

Client: Parkhill Smith & Cooper Inc. Job ID: 820-9303-1
Project/Site: TPDES Permit Application Renewal

Laboratory: Eurofins Lubbock

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704219-23-29	03-03-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
9223B		Water	Coliform, Total

Laboratory: Eurofins Houston

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215-23-50	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
365.1	365.2/365.3/365	Water	Total Phosphorus as PO4
608.3	608	Water	Polychlorinated biphenyls, Total
615	3511	Water	Hexachlorophene
624.1		Water	1,2,4-Trichlorobenzene
624.1		Water	1,3-Dichloropropene, Total
624.1		Water	Hexachlorobutadiene
624.1		Water	Naphthalene
624.1		Water	Trihalomethanes, Total
625.1	625	Water	Hexachlorophene
625.1	625	Water	m+p-Cresol
632	CWA_Prep	Water	Diuron
Nitrogen,Org		Water	Nitrogen, Organic
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 3500 CR B		Water	Cr (III)
SM 4500 H+ B		Water	Temperature
Total Nitrogen		Water	Nitrogen, Total

Method Summary

Client: Parkhill Smith & Cooper Inc.
Job ID: 820-9303-1
Project/Site: TPDES Permit Application Renewal

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	EPA	EET HOU
625.1	Semivolatile Organic Compounds (GC/MS)	EPA	EET HOU
608.3	Organochlorine Pesticides in Water	EPA	EET HOU
608.3	Polychlorinated Biphenyls (PCBs) (GC)	EPA	EET HOU
615	Herbicides (GC)	EPA-01	EET HOU
300.0	Anions, Ion Chromatography	EPA	EET HOU
632	Carbamate and Urea Pesticides (HPLC)	EPA-01	EET HOU
200.8	Metals (ICP/MS)	EPA	EET HOU
245.1	Mercury (CVAA)	EPA	EET HOU
1664B	HEM and SGT-HEM	1664B	EET HOU
335.4	Cyanide, Total	EPA	EET HOU
350.1	Nitrogen, Ammonia	EPA	EET HOU
351.2	Nitrogen, Total Kjeldahl	EPA	EET HOU
360.1	Oxygen, Dissolved	EPA	EET HOU
365.1	Phosphorus, Total	EPA	EET HOU
8000	COD	Hach	EET HOU
Nitrogen,Org	Nitrogen, Organic	EPA	EET HOU
SM 2320B	Alkalinity	SM	EET HOU
SM 2510B	Conductivity, Specific Conductance	SM	EET HOU
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET HOU
SM 2540D	Solids, Total Suspended (TSS)	SM	EET HOU
SM 3500 CR B	Chromium, Trivalent	SM	EET HOU
SM 4500 Cl G	Chlorine, Residual	SM	EET HOU
SM 4500 H+ B	pH	SM	EET HOU
SM 4500 S2 D	Sulfide, Total	SM	EET HOU
SM 5210B	BOD, 5-Day	SM	EET HOU
SM 5310C	TOC	SM	EET HOU
SM3500 CR B	Chromium,Hexavalent	SM	EET HOU
SM5210B CBOD	Carbonaceous BOD, 5 Day	SM	EET HOU
Total Nitrogen	Nitrogen, Total	EPA	EET HOU
9223B	Coliforms, Total, and E.Coll (Colilert - Quanti Tray)	SM	EET LUB
200.8	Preparation, Total Recoverable Metals	EPA	EET HOU
245.1	Preparation, Mercury	EPA	EET HOU
351.2	Nitrogen, Total Kjeldahl	EPA	EET HOU
3511	Microextraction of Organic Compounds	SW846	EET HOU
365.2/365.3/365	Phosphorus, Total	EPA	EET HOU
608	Liquid-Liquid Extraction (Separatory Funnel)	EPA	EET HOU
625	Liquid-Liquid Extraction	EPA	EET HOU
BOD Prep	Preparation, BOD	SM	EET HOU
CWA_Prep	Liquid-Liquid Extraction (Separatory Funnel)	EPA	EET HOU
Distill/CN	Distillation, Cyanide	None	EET HOU

Protocol References:

1664B = EPA-821-98-002

EPA = US Environmental Protection Agency

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

Hach = Hach Company

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Method Summary

Client: Parkhill Smith & Cooper Inc.
Job ID: 820-9303-1
Project/Site: TPDES Permit Application Renewal

Method	Method Description	Protocol	Laboratory

Laboratory References:

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

EET LUB = Eurofins Lubbock, 6701 Aberdeen Ave., Suite 8, Lubbock, TX 79424, TEL (806)794-1296

Sample Summary

Client: Parkhill Smith & Cooper Inc.
Job ID: 820-9303-1
Project/Site: TPDES Permit Application Renewal

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
820-9303-1	4136223 Permit	Water	07/18/23 09:30	07/18/23 11:50

Loc: 820
9303

Eurofins | Environment Testing Xenco

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

820-9303 Chain of Custody

www.xenco.com

Project Manager:	Paul Krueger	Bill to: (if different)	
Company Name:	Parkhill	Company Name:	
Address:	4222 85th St	Address:	
City, State ZIP:	Lubbock, Texas 79423	City, State ZIP:	
Phone:	806-473-7200	Email:	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Permit Renewal	Turn Around		Pres. Code	
Project Number:	413623.23	☒ Routine	☐ Rush		
Project Location:	Lamesa, Texas	Due Date:			
Sampler's Name:	Marshall Belcher	TAT starts the day received by the lab, if received by 4:30pm			
PO #:					

SAMPLE RECEIPT	Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:		IR-4
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:		-0.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:		5.1
Total Containers:	30	Corrected Temperature:		5.0

ANALYSIS REQUEST — Parameters: See Attached

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2SO_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Sample Comments
4136223 permit	W	7/18/23	9:30				

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Marshall Belcher	Colby Tyler	7/18/23 1150	2		
3			4		
5			6		

7/31/2023

Eurofins Lubbock
6701 Aberdeen Ave. Suite 8
Lubbock, TX 79424
Phone: 806-794-1296

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Builes, John	Carrier Tracking No(s):	COC No: 820-7396.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: John.Builes@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 3
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 820-9303-1
Address: 4145 Greenbriar Dr	Due Date Requested: 7/20/2023			Preservation Codes:
City: Stafford	TAT Requested (days):			A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #:			Other:
Email:	WO #:			
Project Name: TPDES Permit Application Renewal	Project #: 82000843			
Site:	SSOW#:			

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Perform MS/MSD (Y/N)	Field Filtered Sample (Y/N)	1664B_NP/ (MOD) HEM Oil and Grease	HACH8000_NP	4500_CL_G	SM4500_S2_D	SM4500_H+	2320B/ (MOD) Local Method	2540D	2540C_Calcd	5310C/ Total Organic Carbon (TOC)	335.4/Distill_CN Cyanide, Total	Nitrogen,Total/ Nitrogen, Total	Nitrogen,Org/ Nitrogen, Organic	365.1/365_Prep Phosphorus, Total	Total Number of containers	Special Instructions/Note:
					Preservation Code:																
4136223 Permit (820-9303-1)	7/18/23	09:30 Central		Water			X	X	X	X	X	X	X	X	X	X	X	X	X	1	Filtered(0.45um) & Preserved(2.5mlCR+6Buffer_00001&4.0ml

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I II III, IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Holly Taylor	7/18/23 1700		FedEX		
Relinquished by: FedEX	Date/Time:	Company	Received by:	Date/Time: 7/19/2023 10:13	Company EX
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:	Temp: C/F -0.3 1.5 IR ID HOU-338 Corrected Temp: 1.2

Eurofins Lubbock
6701 Aberdeen Ave. Suite 8
Lubbock, TX 79424
Phone: 806-794-1296

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Builes, John	Carrier Tracking No(s):	COC No: 820-7396.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: John.Builes@et.eurofinsus.com	State of Origin: Texas	Page: Page 2 of 3
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 820-9303-1
Address: 4145 Greenbriar Dr	Due Date Requested: 7/20/2023			
City: Stafford	TAT Requested (days):			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #:			
Email:	WO #:			
Project Name: TPDES Permit Application Renewal	Project #: 82000843			
Site:	SSOW#:			

Preservation Codes:

A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)

Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1/ Ammonia	360.1	300_ORGFM_28D/ (MOD) Custom List	300_ORGFMS/ (MOD) Nitrate and Nitrite as N	200.8/200.8_P_TR (MOD) Custom List	245.1/245.1_Prep Mercury	351.2/351.2_Prep Total Kjeldahl Nitrogen (TKN)	624.1/624_Prep_3D (MOD) Priority Pollutant List (with Acr/A	625.1/625_Prep (MOD) Priority Pollutant List	608.3_PCB/608_Prep_PCB PCBs Including Totals	3500_CR3_B	608.3_Pest/608_Prep TTO 608	3500_CR_B_Pres	Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
4136223 Permit (820-9303-1)	7/18/23	09:30 Central		Water			X	X	X	X	X	X	X	X	X	X	X	X	X	2	Filtered(0.45um) & Preserved(2.5mlCR+6Buffer_00001&4.0ml

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II III, IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Holly Taylor	7/18/23 1700		FedEx		
Relinquished by: FedEx	Date/Time:	Company	Received by:	Date/Time: 7.19.23 10:13	Company EX
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Temp: IR ID HOU-338
C/F:-0.3 15
Corrected Temp: 12

2021

Eurofins Lubbock
6701 Aberdeen Ave. Suite 8
Lubbock, TX 79424
Phone: 806-794-1296

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Builes, John	Carrier Tracking No(s):	COC No: 820-7396.3
Client Contact: Shipping/Receiving	Phone:	E-Mail: John.Builes@et.eurofinsus.com	State of Origin: Texas	Page: Page 3 of 3
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 820-9303-1
Address: 4145 Greenbriar Dr	Due Date Requested: 7/20/2023			
City: Stafford	TAT Requested (days):			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #:			
Email:	WO #:			
Project Name: TPDES Permit Application Renewal	Project #: 82000843			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SM5210B_Calc/BOD_Prep BOD, 5-Day	2510B/ Specific Conductance	SM5210B_CBODCal/BOD_Prep CBOD	632/CWA_Prep	615_MOD/3511_Herb_Prep (MOD) Extended List	Total Number of containers	Special Instructions/Note:
	Preservation Code:												
4136223 Permit (820-9303-1)	7/18/23	09:30 Central		Water			X	X	X	X	X		Filtered(0.45um) & Preserved(2.5mlCR+6Buffer_00001&4.0ml

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Holly Taylor	7/18/23 1700		FedEx		
2	FEDEX			Jessica Flores	7.19.23 10:13	EX
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:
		Temp: IR ID HOU-338 C/F -0.3 1.5 Corrected Temp 1.2

21

Login Sample Receipt Checklist

Client: Parkhill Smith & Cooper Inc.

Job Number: 820-9303-1

Login Number: 9303

List Number: 1

Creator: Triplett, Colby

List Source: Eurofins Lubbock

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

Login Sample Receipt Checklist

Client: Parkhill Smith & Cooper Inc.

Job Number: 820-9303-1

Login Number: 9303
List Number: 2
Creator: Pena, Jesiel

List Source: Eurofins Houston
List Creation: 07/19/23 12:50 PM

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

Candice Calhoun

From: Paul Krueger <PKrueger@Parkhill.com>
Sent: Wednesday, June 19, 2024 5:11 PM
To: Candice Calhoun; directorofutilities@ci.lamesa.tx.us
Cc: jhines@ci.lamesa.tx.us; Marshall Belcher
Subject: RE: Application to Renew Permit No. WQ0010107001; City of Lamesa
Attachments: Lamesa WWTP_NOD1 Response.pdf; WQ0010107001_PLS.docx

Follow Up Flag: Follow up
Flag Status: Flagged

Good Afternoon Ms. Calhoun,

Please find our attached response to your NOD letter. As requested, a Microsoft Word version of the Plain Language Summary is also attached to this email. Thank you for your assistance with this renewal application and please feel free to contact me if you have any questions or need additional information.

Thank you,

Paul Krueger, PE
Civil Engineer

Parkhill
806.473.3715 | Parkhill.com

From: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Sent: Thursday, June 6, 2024 5:19 PM
To: directorofutilities@ci.lamesa.tx.us
Cc: Paul Krueger <PKrueger@Parkhill.com>
Subject: Application to Renew Permit No. WQ0010107001; City of Lamesa
Importance: High

Good afternoon, Mr. Ojeda,

The attached Notice of Deficiency (NOD) letter dated June 6, 2024, requests additional information needed to declare the application administratively complete. Please send complete response by June 21, 2024.

Please let me know if you have any questions.

Regards,

Candice Calhoun
Texas Commission on Environmental Quality
Water Quality Division
512-239-4312
candice.calhoun@tceq.texas.gov

Candice Calhoun

From: Joe Hines <jhines@ci.lamesa.tx.us>
Sent: Wednesday, June 19, 2024 4:27 PM
To: Candice Calhoun; Paul Krueger; Ernest Ogeda
Subject: RE: Application to Renew Permit No. WQ0010107001; City of Lamesa
Attachments: Section 14 signed and notorized 6-19-24.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Will this work?

Thank you,

Joe Hines
City Manager
City of Lamesa, Tx
806-872-4321 Office

From: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Sent: Wednesday, June 19, 2024 8:51 AM
To: Joe Hines <jhines@ci.lamesa.tx.us>; Paul Krueger <PKrueger@Parkhill.com>; Ernest Ogeda <directorofutilities@ci.lamesa.tx.us>
Subject: RE: Application to Renew Permit No. WQ0010107001; City of Lamesa
Importance: High

Good morning,

I was able to locate the signature page, in the original, hard copy, of the application. However, the signature page was not notarized. Please provide a signed and notarized signature page for the application. The person who signs the signature page will need to match the individual listed in Section 3, item A, of the Administrative Report 1.0. The signature page does not need to be mailed in, you can send it via email, to me.

The signature page, that we received, has been attached to this email.

Regards,

Candice Calhoun
Texas Commission on Environmental Quality
Water Quality Division
512-239-4312
candice.calhoun@tceq.texas.gov

Candice Calhoun

From: Ernest Ogeda <directorofutilities@ci.lamesa.tx.us>
Sent: Monday, June 17, 2024 5:17 PM
To: Candice Calhoun
Cc: Dionicio Garza, Jr.
Subject: Application to Renew Permit No. WQ0010107001; City of Lamesa
Attachments: Municipal TPDES and TLAP PLS Form.docx

Follow Up Flag: Follow up
Flag Status: Completed

Parkhill

June 19, 2024

Ms. Candice Calhoun
Texas Commission of Environmental Quality
Applications Review and Processing Team (MC-148)
Water Quality Division
P.O. Box 13087
Austin, TX 78711-3087

Re: Application to Renew Permit No.: WQ0010107001 (EPA I.D. No. TX0129011)
Applicant Name: City of Lamesa (CN600632400)
Site Name: City of Lamesa WWTP (RN101918977)
Type of Application: Renewal

Dear Ms. Calhoun

We have received the Notice of Deficiency letter on the above referenced application in your e-mail dated June 6, 2024. Our response is provided below.

1. Comment: Administrative Report, 1.0 Section 14 – The signature page was inadvertently left blank. Please provide an e-copy of the signed, dated, and notarized signature page.

Response: An e-copy has been attached to this response under Attachment 1.

2. Comment: Core Data Form, Section III, item 25-28 – The description to the physical location provided differs from the description listed in the current permit. Please provide an updated core data form to show the correct description to the physical location. The description must include the distance in feet or miles from road intersections.

Response: An updated Core Data Form has been attached to this response under Attachment 2.

3. Comment: Core Data Form, Section V – The signature and date for the Authorized Signature was inadvertently left blank. Please provide an updated core data form with a signature and date for the Authorized Signature.

Response: An updated Core Data Form has been attached to this response under Attachment 2.

4. Comment: Plain Language Summary (PLS) – The Site Name and the RN number provided on the English plain language summary (PLS) was inadvertently incorrect. The facility location will also need to be updated, per item 2 of this letter. Please provide an updated PLS by using the Plain Language Summary (PLS) Template attached to this letter. Please provide the PLS in a Microsoft Word Document.

Response: An updated PLS has been provided in Attachment 3. A Microsoft Word Document version will also be sent via email.

5. Comment: The following is a portion of the NORI which contains information relevant to your application. Please read it carefully and indicate if it contains any errors or omissions. The complete notice will be sent to you once the application is declared administratively complete.

APPLICATION. City of Lamesa, 601 South 1st Street, Lamesa, Texas 79331, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge

4222 85th Street | Lubbock, Texas 79423 | 806.473.2200 Parkhill.com

Elimination System (TPDES) Permit No. WQ0010107001 (EPA I.D. No. TX0129011) to authorize the discharge of treated wastewater at a volume not to exceed an annual average flow of 2,000,000 gallons per day. The domestic wastewater treatment facility is located **approximately 2,600 feet east-northeast of the intersection of County Road 20 and State Highway 137**, near the City of Lamesa, in Dawson County, Texas 79331. The discharge route is from the plant site via pipe to Sulphur Springs Draw; thence following the route, in specified order, Natural Dam Lake, Sulphur Springs Draw, Beals Creek, and Colorado River below Lake J.B. Thomas. TCEQ received this application on June 3, 2024. The permit application will be available for viewing and copying at Lamesa City Hall, 601 South 1st Street, Lamesa, Dawson County, Texas. Prior to the date, this notice was 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/pendingpermits/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 at https://gisweb.tceq.texas.gov/LocationMapper/?marker=-101.946111,32.711944&level=18.

Response: All information above is correct and the updated facility location has been provided.

Thank you for reviewing the submitted application. If you have any questions or would like to discuss further, please feel free to call me at 806.473.3715

Sincerely,

PARKHILL

By Paul Krueger
Paul Krueger, PE
Civil Engineer

PSK/mb/pp
Enclosures
Section 14 Signature Page
Core Data Form
Plain Language Summary (PLS)

Attachment 1

Signature Page

Section 14. Signature Page (Instructions Page 39)

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

Permit Number: WQ0010107001

Applicant: City of Lamesa

Certification:

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

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

Signatory name (typed or printed): Josh Stevens

Signatory title: Mayor

Signature: Josh Stevens Date: 6/19/2024

(Use blue ink)

Subscribed and Sworn to before me by the said Josh Stevens (Mayor)

on this 19th day of June, 20 24.

My commission expires on the 11th day of January, 20 26.

Beatriz Conde

Notary Public

[SEAL]

BEATRIZ CONDE
Notary Public, State of Texas
Notary ID# 13140246-3
My Commission Expires 01-11-2026

Dawson

County, Texas

Attachment 2

Updated 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 600632400		**RN 101918977**

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 Lamesa

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 ☐ Other:
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant

15. Mailing Address: 601 S. 1st Street

City	Lamesa	**State**	TX	**ZIP**	79331	**ZIP + 4**	

16. Country Mailing Information (*if outside USA*)	**17. E-Mail Address** (*if applicable*)
	directorofutilities@ci.lamesa.tx.us

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(806) 872-2124		( ) -

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.)*

City of Lamesa Wastewater Treatment Plant

23. Street Address of the Regulated Entity: ***(No PO Boxes)***							
	City		**State**		**ZIP**		**ZIP + 4**	
24. County	Dawson						

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

25. Description to Physical Location:	Located approximately 2600 ft east-northeast of the intersection of County Road 20 and State Highway 137, in Dawson County, Texas.				
26. Nearest City			**State**	**Nearest ZIP Code**	
Lamesa			TX	79331	

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:	32.7119		**28. Longitude (W) In Decimal:**	-101.94611	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
32	42	43	-101	56	46

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 for the City of Lam

34. Mailing Address:	**601 S. 1st Street**							
	City	**Lamesa**	**State**	**TX**	**ZIP**	**79331**	**ZIP + 4**	
35. E-Mail Address:	**directorofutilities@ci.lamesa.tx.us**							

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(806) 872-4327		**(806) 872-4338**

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

☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☒ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:
	WQ0010107001			

SECTION IV: Preparer Information

40. Name:	Paul Krueger, P.E.	**41. Title:**	Civil Engineer

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(806) 473-2200		( ) -	pkrueger@parkhill.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:	City of Lamesa	**Job Title:**	Utilities Director	
Name *(In Print):*	Ernest Ojeda		**Phone:**	(806) 872- **2124**
Signature:			**Date:**	06/10/2024

Attachment 3

Updated PLS

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

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

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

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

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

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

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

City of Lamesa (CN600632400) operates City of Lamesa Wastewater Treatment Plant (RN101918977), an activated sludge treatment process using the extended aeration mode. The facility is located at approximately 2,600 feet east-northeast of the intersection of County Road 20 and State Highway 137, in Lamesa, Dawson County, Texas 79331. Application is being submitted for a standard renewal without changes. *<<For TLAP applications include the following sentence, otherwise delete:>>* This permit will not authorize a discharge of pollutants into water in the state.

Discharges from the facility are expected to contain CBOD, TSS, and Ammonia Nitrogen. Domestic wastewater is treated by activated sludge process using the extended aeration mode. Treatment units include a screen, vortex grit removal, carrousel aeration basin, 2 final clarifiers, and UV disinfection.