Texas Commission on Environmental Quality

Update Domestic or Industrial Individual Permit

WQ0010232001

Site Information (Regulated Entity)

What is the name of the site to be authorized?	SOUTH KUEHLER WWTP
Does the site have a physical address?	Yes
Physical Address	
Number and Street	1608 COCO DR
City	NEW BRAUNFELS
State	TX
ZIP	78130
County	COMAL
Latitude (N) (##.######)	29.686472
Longitude (W) (-###.######)	-98.098109
Primary SIC Code	4952
Secondary SIC Code	
Primary NAICS Code	221320
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN102078011
What is the name of the Regulated Entity (RE)?	SOUTH KUEHLER WWTP
Does the RE site have a physical address?	Yes
Physical Address	
Number and Street	1608 COCO DR
City	NEW BRAUNFELS
State	TX
ZIP	78130
County	COMAL
Latitude (N) (##.######)	29.686472
Longitude (W) (-###.######)	-98.098109
Facility NAICS Code	
What is the primary business of this entity?	DOMESTIC

New Bra-Customer (Applicant) Information (Owner)

How is this applicant associated with this site?	Owner
What is the applicant's Customer Number (CN)?	CN600522957
Type of Customer	Other Government
Full legal name of the applicant:	

Legal Name	New Braunfels Utilities
Texas SOS Filing Number	
Federal Tax ID	
State Franchise Tax ID	
State Sales Tax ID	
Local Tax ID	
DUNS Number	38346169
Number of Employees	101-250
Independently Owned and Operated?	
I certify that the full legal name of the entity applying for this permit has been provided and is legally authorized to do business in Texas.	Yes

Responsible Authority Contact

Organization Name	New Braunfels Utilities
Prefix	MR
First	Mark
Middle	
Last	Steelman
Suffix	
Credentials	
Title	Chief Operations Officer

Responsible Authority Mailing Address

Enter new address or copy one from list:	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	263 MAIN PLZ
Routing (such as Mail Code, Dept., or Attn:)	
City	NEW BRAUNFELS
State	TX
ZIP	78130
Phone (###-###-####)	8306298415
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	msteelman@NBUTEXAS.COM

Billing Contact

Responsible contact for receiving billing statements:

Select the permittee that is responsible for payment of the annual fee.	CN600522957, New Braunfels Utilities
Organization Name	NEW BRAUNFELS UTILITIES
Prefix	MR

First	Brent
Middle	
Last	Lundmark
Suffix	
Credentials	
Title	WATER TREATMENT & COMPLIANCE MANAGER
Enter new address or copy one from list:	

Mailing Address

Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	1922 KUEHLER AVE
Routing (such as Mail Code, Dept., or Attn:)	
City	NEW BRAUNFELS
State	TX
ZIP	78130
Phone (###-###-####)	8306088900
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	BLUNDMARK@NBUTEXAS.COM

Application Contact

Person TCEQ should contact for questions about this application:

Same as another contact?	
Organization Name	NEW BRAUNFELS UTILITIES
Prefix	MR
First	BRENT
Middle	
Last	LUNDMARK
Suffix	
Credentials	
Title	WATER TREATMENT & COMPLIANCE MANAGER
Enter new address or copy one from list:	Billing Contact

Mailing Address

Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	1922 KUEHLER AVE
Routing (such as Mail Code, Dept., or Attn:)	
City	NEW BRAUNFELS
State	TX

ZIP	78130
Phone (###-###-####)	8306088900
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	BLUNDMARK@NBUTEXAS.COM

Technical Contact

Person TCEQ should contact for questions about this application:

Same as another contact?	
Organization Name	Quiddity Engineering
Prefix	MR
First	Jonathan
Middle	
Last	Nguyen
Suffix	
Credentials	
Title	Permitting Specialist
Enter new address or copy one from list:	

Mailing Address

Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	912 S CAPITAL OF TEXAS HWY STE 300
Routing (such as Mail Code, Dept., or Attn:)	
City	WEST LAKE HILLS
State	TX
ZIP	78746
Phone (###-###-####)	5126855156
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	jnguyen@quiddity.com

DMR Contact

Person responsible for submitting Discharge Monitoring Report Forms:

Same as another contact?	Billing Contact
Organization Name	NEW BRAUNFELS UTILITIES
Prefix	MR

First	Brent
Middle	
Last	Lundmark
Suffix	
Credentials	
Title	WATER TREATMENT & COMPLIANCE MANAGER
Enter new address or copy one from list:	

Mailing Address:

Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	1922 KUEHLER AVE
Routing (such as Mail Code, Dept., or Attn:)	
City	NEW BRAUNFELS
State	TX
ZIP	78130
Phone (###-###-####)	8306088900
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	BLUNDMARK@NBUTEXAS.COM

Section 1# Permit Contact

Permit Contact#: 1

Person TCEQ should contact throughout the permit term.

1) Same as another contact?	CN600522957, New Braunfels Utilities
2) Organization Name	New Braunfels Utilities
3) Prefix	MR
4) First	Mark
5) Middle	
6) Last	Steelman
7) Suffix	
8) Credentials	
9) Title	Chief Operations Officer

Mailing Address

10) Enter new address or copy one from list	
11) Address Type	Domestic
11.1) Mailing Address (include Suite or Bldg. here, if applicable)	263 MAIN PLZ
11.2) Routing (such as Mail Code, Dept., or Attn:)	
11.3) City	NEW BRAUNFELS

11.4) State	TX
11.5) ZIP	78130
12) Phone (###-###-####)	8306298415
13) Extension	
14) Alternate Phone (###-###-####)	
15) Fax (###-###-####)	
16) E-mail	msteelman@nbutexas.com

Section 2# Permit Contact

Permit Contact#: 2

Person TCEQ should contact throughout the permit term.

1) Same as another contact?	Billing Contact
2) Organization Name	NEW BRAUNFELS UTILITIES
3) Prefix	MR
4) First	Brent
5) Middle	
6) Last	Lundmark
7) Suffix	
8) Credentials	
9) Title	WATER TREATMENT & COMPLIANCE MANAGER

Mailing Address

10) Enter new address or copy one from list	
11) Address Type	Domestic
11.1) Mailing Address (include Suite or Bldg. here, if applicable)	1922 KUEHLER AVE
11.2) Routing (such as Mail Code, Dept., or Attn:)	
11.3) City	NEW BRAUNFELS
11.4) State	TX
11.5) ZIP	78130
12) Phone (###-###-####)	8306088900
13) Extension	
14) Alternate Phone (###-###-####)	
15) Fax (###-###-####)	
16) E-mail	blundmark@nbutexas.com

Owner Information

Owner of Treatment Facility

1) Prefix	
2) First and Last Name	
3) Organization Name	New Braunfels Utilities

4) Mailing Address	263 Main Plaza
5) City	New Braunfels
6) State	TX
7) Zip Code	78130
8) Phone (###-###-####)	8306088900
9) Extension	
10) Email	blundmark@nbutexas.com
11) What is ownership of the treatment facility?	Public

Owner of Land (where treatment facility is or will be)

12) Prefix	
13) First and Last Name	
14) Organization Name	New Braunfels Utilities
15) Mailing Address	263 Main Plaza
16) City	New Braunfels
17) State	TX
18) Zip Code	78130
19) Phone (###-###-####)	8306088900
20) Extension	
21) Email	blundmark@nbutexas.com
22) Is the landowner the same person as the facility owner or co-applicant?	Yes

General Information Renewal-Amendment

1) Current authorization expiration date:	04/30/2026
2) Current Facility operational status:	Active
3) Is the facility located on or does the treated effluent cross American Indian Land?	No
4) What is the application type that you are seeking?	Renewal without changes
5) Current Authorization type:	Public Domestic Wastewater
5.1) What is the proposed total flow in MGD discharged at the facility?	15.4
5.2) Select the applicable fee	>= 1.0 MGD - Renewal - $2,015
6) What is the classification for your authorization?	TPDES
6.1) What is the EPA Identification Number?	TX0067881
6.2) Is the wastewater treatment facility location in the existing permit accurate?	Yes
6.3) Are the point(s) of discharge and the discharge route(s) in the existing permit correct?	Yes
6.4) City nearest the outfall(s):	New Braunfels
6.5) County where the outfalls are located:	COMAL
6.6) Is or will the treated wastewater discharge to a city, county, or state highway right-of-way, or a flood control district drainage	No

ditch?	
6.7) Is the daily average discharge at your facility of 5 MGD or more?	Yes
6.7.1) Provide the names of all counties located within 100 statute miles downstream of the point(s) of discharge:	COMAL|GONZALES|GUADALUPE|DEWITT
7) Did any person formerly employed by the TCEQ represent your company and get paid for service regarding this application?	Yes
7.1) List each person formerly employed by the TCEQ who represented your company and was paid for service regarding the application:	Jonathan Nguyen

Public Notice Information

Individual Publishing the Notices

1) Prefix	MS
2) First and Last Name	Becca Graham
3) Credential	
4) Title	Enterprise Communication Manager
5) Organization Name	New Braunfels Utilities
6) Mailing Address	263 MAIN PLZ
7) Address Line 2	
8) City	NEW BRAUNFELS
9) State	TX
10) Zip Code	78130
11) Phone (###-###-####)	8306298400
12) Extension	
13) Fax (###-###-####)	
14) Email	communications@nbutexas.com

Contact person to be listed in the Notices

15) Prefix	MR
16) First and Last Name	Brent Lundmark
17) Credential	
18) Title	Water Treatment & Compliance Manager
19) Organization Name	New Braunfels Utilities
20) Phone (###-###-####)	8306088900
21) Fax (###-###-####)	
22) Email	blundmark@nbutexas.com

Bilingual Notice Requirements

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

23.1) Are the students who attend either the elementary school or the middle school enrolled in a bilingual education program at that school?	Yes
23.2) Do the students at these schools attend a bilingual education program at another location?	No
23.3) Would the school be required to provide a bilingual education program but the school has waived out of this requirement under 19 TAC 89.1205(g)?	No
23.4) Which language is required by the bilingual program?	Spanish

Section 1# Public Viewing Information

County#: 1

1) County	COMAL
2) Public building name	New Braunfels Utilities Customer Solutions Center
3) Location within the building	Front Desk
4) Physical Address of Building	1488 South Seguin Avenue
5) City	New Braunfels
6) Contact Name	Becca Graham
7) Phone (###-###-####)	8306298400
8) Extension	
9) Is the location open to the public?	Yes

Plain Language

1) Plain Language

[File Properties]

File Name	LANG_01 A - PLS.pdf
Hash	8D72D8C649A5B11E50BB1D39085D8744996C2F6FC89B617D6B9019E36DACE922
MIME-Type	application/pdf

Supplemental Permit Information Form

1) Supplemental Permit Information Form (SPIF)

[File Properties]

File Name	SPIF_02 B - SPIF.pdf
Hash	940D7C624BCCF582FCE79F8CDBFF22420D9FE04EB731D8129FDE40941BDA3220
MIME-Type	application/pdf

Domestic Attachments

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

[File Properties]

File Name	MAP_03 C - USGS.pdf
Hash	D58BB590291AA1746CBFEA31103506534686BE3C5DA20742465A96BA2CEF6292
MIME-Type	application/pdf

2) I confirm that all required sections of Technical Report 1.0 are complete and will be included in the Technical Attachment.	Yes
2.1) I confirm that Worksheet 2.0 (Receiving Waters) is complete and included in the Technical Attachment.	Yes
2.2) Are you planning to include Worksheet 2.1 (Stream Physical Characteristics) in the Technical Attachment?	No
2.3) Are you planning to include Worksheet 4.0 (Pollutant Analyses Requirements) in the Technical Attachment?	Yes
2.4) Are you planning to include Worksheet 5.0 (Toxicity Testing Requirements) in the Technical Attachment?	Yes
2.5) I confirm that Worksheet 6.0 (Industrial Waste Contribution) is complete and included in the Technical Attachment.	Yes
2.6) Are you planning to include Worksheet 7.0 (Class V Injection Well Inventory/Authorization Form) in the Technical Attachment?	No

2.7) Technical Attachment

[File Properties]

File Name	TECH_04 D - App Tech Report.pdf
Hash	A1EDE1B19F86F097A33F162C5B917F35B4526D1BCE8A2D2AA588B2D7CFE30F37
MIME-Type	application/pdf

3) Buffer Zone Map

4) Flow Diagram

[File Properties]

File Name	FLDIA_05 E - Flow Schematics.pdf
Hash	2F8BB26D43351E07FB8FE5731C7783CCF3701B9CE49FC0A04763F394DD10DC8E
MIME-Type	application/pdf

5) Site Drawing

[File Properties]

File Name	SITEDR_06 F - Service Area Map.pdf
Hash	BE13F2F03A9524F6DD626093068C81A43FCADA5314B78B7B0A2C4DCD3244C230

MIME-Type	application/pdf

6) Design Calculations

[File Properties]	
File Name	DES_CAL_07 G - Treatment Units.pdf
Hash	5BD0BCC087369F26EC0E4E27468C9DC093DE2A9C26FF8C14C686D971F8686CDD
MIME-Type	application/pdf

7) Solids Management Plan

8) Water Balance

9) Other Attachments

[File Properties]	
File Name	OTHER_08 H - Core Data Form.pdf
Hash	1F8C8A675F3D20E054A0D22AD85D27E549B90117E8ED1A5AD7DE5B492230D83C
MIME-Type	application/pdf
[File Properties]	
File Name	OTHER_09 I - Effluent Analysis.pdf
Hash	FEC3C0946ACEE6A0E48EC69323415C157214AFC2EA13A0F828DB28CD828AC969
MIME-Type	application/pdf

ATTACHMENT A

PLAIN LANGUAGE SUMMARY

NEW BRAUNFELS UTILITIES
SOUTH KUEHLER WASTEWATER TREATMENT PLANT

QUIDDITY
Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337

912 S. Capital of Texas Highway, Suite 300
Austin, Texas 78746
Tel: 512.441.9493
www.quiddity.com

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.

New Braunfels Utilities (CN600522957) operates the South Kuehler wastewater treatment plant (RN102078011), an activated sludge process plant operated in the complete mix mode. The facility is located at 1608 Coco Drive, in the City of New Braunfels, Comal County, Texas 78130.

This application is for a renewal to discharge at an annual average flow of 15,400,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand ($CBOD_5$), total suspended solids (TSS), ammonia nitrogen (NH_3-N), total phosphorus, and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent and Domestic Worksheet 4.0 in the permit application package. Domestic wastewater is treated by an activated sludge process plant and the treatment units include a bar screen, aeration basins, final clarifiers, sludge digesters, a belt filter press, chlorine contact chambers and a dechlorination chamber.

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

New Braunfels Utilities (CN600522957) opera la planta de tratamiento de aguas residuales de South Kuehler (RN102078011), una planta de procesamiento de lodos activados que opera en modo de mezcla completa. La planta está ubicada en Coco Drive 1608, en la ciudad de New Braunfels, condado de Comal, Texas 78130.

Esta solicitud es para una renovación para descargar un flujo promedio anual de 15,400,000 galones por día de aguas residuales domésticas tratadas.

Se espera que las descargas de la instalación contengan la demanda bioquímica de oxígeno carbonoso de cinco días ($CBOD_5$), sólidos suspendidos totales (TSS), nitrógeno amoniacal (NH_3-N), fósforo total y *Escherichia coli*. Se incluyen otros contaminantes potenciales en el Informe Técnico Doméstico 1.0, Sección 7, Análisis de Contaminantes del Efluente Tratado, y la Hoja de Trabajo Doméstica 4.0 de la solicitud de permiso. Las aguas residuales domésticas se tratan en una planta de lodos activados, cuyas unidades de tratamiento incluyen un tamiz de barras, tanques de aireación, clarificadores finales, digestores de lodos, un filtro prensa de banda, cámaras de contacto con cloro y una cámara de decloración.

ATTACHMENT B

SUPPLEMENTAL PERMIT INFORMATION FORM

NEW BRAUNFELS UTILITIES
SOUTH KUEHLER WASTEWATER TREATMENT PLANT

QUIDDITY
Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337

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: New Braunfels Utilities

   Permit No. WQ00 10232001 EPA ID No. TX 0067881

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

   1608 Coco Drive, in the City of New Braunfels, Comal County, Texas 78130

   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: Jonathan Nguyen

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

   Title: Permitting Specialist

Mailing Address: 912 South Capital of Texas Hwy, Suite 130

City, State, Zip Code: Austin, TX 78746

Phone No.: 512-685-5156 Ext.: Click here to enter text. Fax No.: Click here to enter text.

E-mail Address: jnguyen@quiddity.com

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

Owner is the permittee.

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

Via Outfall 001 and 002 to an unnamed tributary of the Guadalupe River, then to the Guadalupe River Below Comal River in Segment No. 1804 of the Guadalupe River Basin

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

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

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

   ☒ Proposed access roads, utility lines, construction easements

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

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

   ☒ Additional phases of development that are planned for the future

   ☐ Sealing caves, fractures, sinkholes, other karst features

   ☐ Disturbance of vegetation or wetlands

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

No caves or karst features will be affected. Approximately 10 acres will be used for future expansion.

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

Existing land use is for the wastewater treatment plant.

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

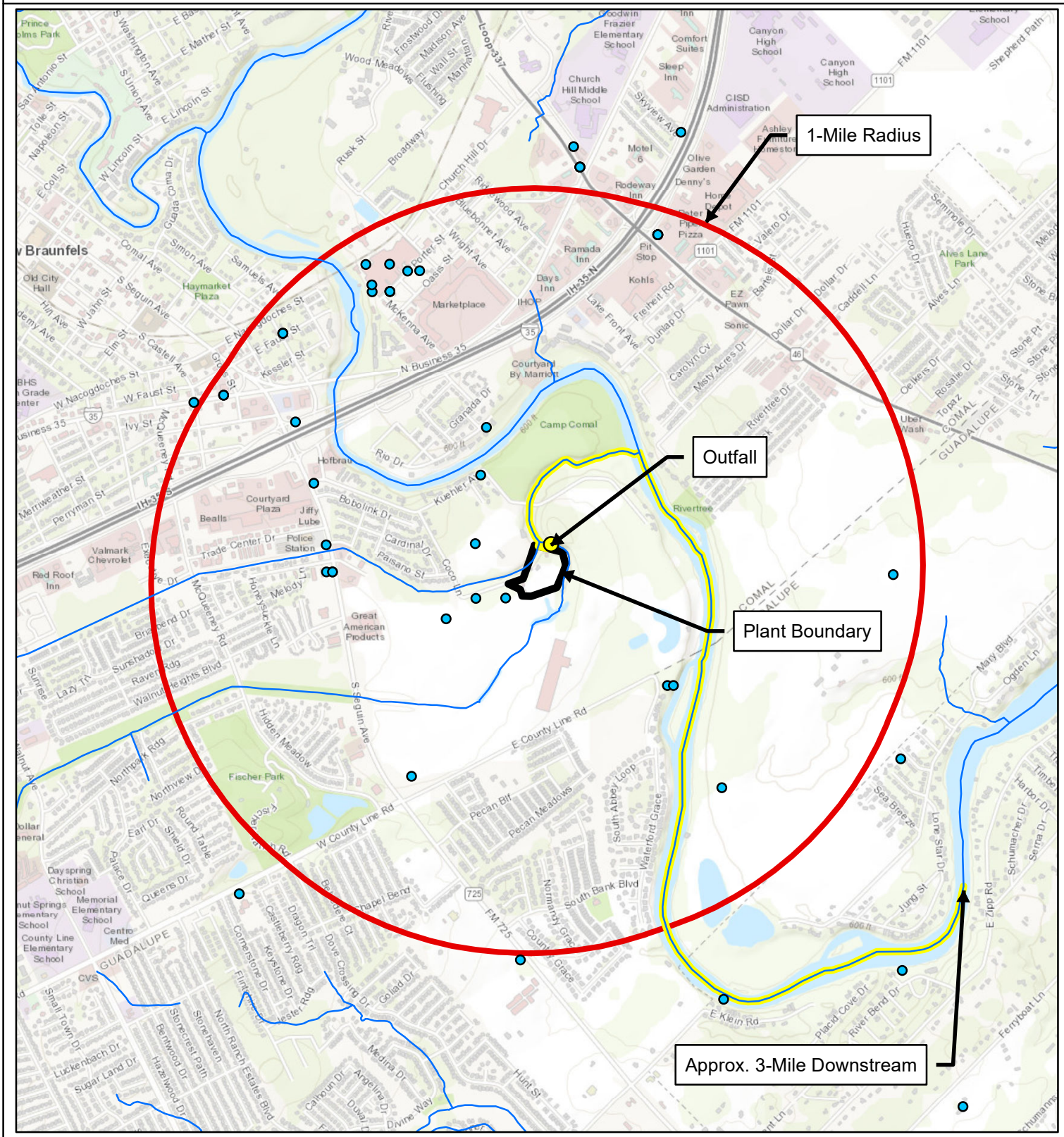
ATTACHMENT C

USGS MAP

NEW BRAUNFELS UTILITIES
SOUTH KUEHLER WASTEWATER TREATMENT PLANT

QUIDDITY
Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337

USGS TOPO MAP EXHIBIT



Disclaimer: This product is offered for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of property, governmental and/or political boundaries or related facilities to said boundary. No express warranties are made by Quiddity Engineering concerning the accuracy, completeness, reliability, or usability of the information included within this exhibit.

QUIDDITY

N
W E
S

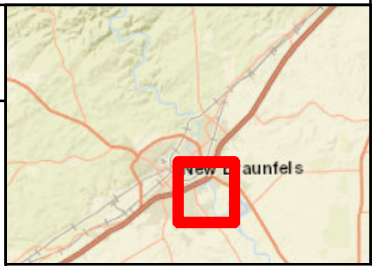
1 inch equals 2,000 feet

NBU SOUTH KUEHLER

COMAL COUNTY, TEXAS

LEGEND

- Water Wells
- Outfall
- Streams
- Discharge Route
- 1 Mile Buffer
- Plant Boundary



VICINITY MAP

Scale: 1 inch equals 10 miles

Path: V:\Practice Workspace\Corporate Services\GIS\Projects\0_Individuals\J_Nguyen\NBU South Kuehler\USGS_Topo_Map_8.5X11.mxd
Project Number: 05487-0035-01.200 Date: 7/7/2025 User Name: ada1

ATTACHMENT D

APPLICATION TECHNICAL REPORT 1.0-2.0-4.0-5.0-6.0

NEW BRAUNFELS UTILITIES
SOUTH KUEHLER WASTEWATER TREATMENT PLANT

QUIDDITY
Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337

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): 4.2

2-Hr Peak Flow (MGD): 12.6

Estimated construction start date: Click to enter text.

Estimated waste disposal start date: Click to enter text.

B. Interim II Phase

Design Flow (MGD): 9.3

2-Hr Peak Flow (MGD): 27.9

Estimated construction start date: August 2032

Estimated waste disposal start date: October 2033

C. Final Phase

Design Flow (MGD): 15.4

2-Hr Peak Flow (MGD): 46.2

Estimated construction start date: August 2038

Estimated waste disposal start date: October 2039

D. Current Operating Phase

Provide the startup date of the facility: Unknown

Section 2. Treatment Process (Instructions Page 43)

A. Current Operating Phase

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

See Attachment G – Treatment Process and Units

B. Treatment Units

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

Table 1.0(1) - Treatment Units

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

C. Process Flow Diagram

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

Attachment: Attachment E

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

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

- Latitude: 29.687351 (001), 29.686405 (002)
- Longitude: -98.097869 (001), -98.099436 (002)

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: Attachment F

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

The South Kuehler plant serves central and south New Braunfels.

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
South Kuehler	NBU	Publicly Owned	~38,000

Section 4. Unbuilt Phases (Instructions Page 45)

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

☒ Yes ☐ No

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

☒ Yes ☐ No

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

Development has slowed in the past few years but is picking up. Future expansion will accept flow from the North Kuehler plant. The North Kuehler permit will be canceled when the expansion of the South Kuehler plant is completed.

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: Unknown for Interim I

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**.

Summary transmittal will be approved for the Interim II and Final phases prior to construction.

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.

Odor abatement plan approved for all phases on December 2020.

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*.

Notice of Completion will be submitted prior to startup of each future phase and outfall relocation.

D. Grit and grease treatment

1. Acceptance of grit and grease waste

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

☐ Yes ☒ No

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

2. Grit and grease processing

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

N/A

3. Grit disposal

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

☐ Yes ☐ No

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

Describe the method of grit disposal.

N/A

4. Grease and decanted liquid disposal

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

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

N/A

E. Stormwater management

1. Applicability

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

☒ Yes ☐ No

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

☒ Yes ☐ No

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

2. MSGP coverage

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

☒ Yes ☐ No

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

TXR05 R076 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 the instructions.

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

The plant receives sludge from the North Kuehler WWTF (WQ0010232003).

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

2. ***Acceptance of septic waste***

Is the facility accepting or will it accept septic waste?

☐ Yes ☒ No

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

☐ Yes ☐ No

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

☐ Yes ☐ No

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

N/A

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

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

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

☐ Yes ☒ No

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

N/A

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

Is the facility in operation?

☒ Yes ☐ No

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

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

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

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
$CBOD_5$, mg/l	3.9	3.9	1	Comp	8-29-25/0700
Total Suspended Solids, mg/l	2.93	3.6	8	Comp	8-1-25, 8-6-25, 8-8-25, 8-13-25, 8-15-25, 8-20-25, 8-22-25, 8-28-25/0700
Ammonia Nitrogen, mg/l	0	0	5	Comp	8-1-25, 8-8-25, 8-15-25, 8-22-25, 8-28-25/0700
Nitrate Nitrogen, mg/l	26.7	26.7	1	Comp	8-5-25/0700
Total Kjeldahl Nitrogen, mg/l	2.0	2.0	1	Comp	8-5-25/0700
Sulfate, mg/l	80.0	80.0	1	Comp	8-5-25/0700
Chloride, mg/l	173.0	173.0	1	Comp	8-5-25/0700
Total Phosphorus, mg/l	2.31	2.45	8	Comp	8-1-25, 8-6-25, 8-8-25, 8-13-25, 8-15-25, 8-20-25, 8-22-25, 8-28-25/0700
pH, standard units	7.0	7.0	1	Grab	8-4-25/0830
Dissolved Oxygen*, mg/l	6.28	6.28	1	Grab	8-4-25/0830
Chlorine Residual, mg/l	2.53	4.0	28	Grab	8-1 thru 8-28-25/ 1230
E.coli (CFU/100ml) freshwater	23.8	23.8	1	Grab	8-4-25/0830
Entercocci (CFU/100ml) saltwater	N/A	N/A	N/A	N/A	N/A
Total Dissolved Solids, mg/l	559	559	1	Grab	8-4-25/0830
Electrical Conductivity, µmohs/cm, †	1150	1150	1	Grab	8-4-25/0830
Oil & Grease, mg/l	<5.0	<5.0	1	Grab	8-4-25/1251
Alkalinity ($CaCO_3$)*, mg/l	62.0	62.0	1	Comp	8-29-25/0700

*TPDES permits only
†TLAP permits only

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

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

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

Section 8. Facility Operator (Instructions Page 50)

Facility Operator Name: Jamie Alvarez, Sr.

Facility Operator's License Classification and Level: A

Facility Operator's License Number: WW0059401

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

A. WWTP's Biosolids Management Facility Type

Check all that apply. See instructions for guidance

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

B. WWTP's Biosolids Treatment Process

Check all that apply. See instructions for guidance.

- ☒ Aerobic Digestion
- ☐ Air Drying (or sludge drying beds)
- ☐ Lower Temperature Composting
- ☐ Lime Stabilization
- ☐ Higher Temperature Composting
- ☐ Heat Drying
- ☐ Thermophilic Aerobic Digestion
- ☐ Beta Ray Irradiation
- ☐ Gamma Ray Irradiation
- ☐ Pasteurization
- ☐ Preliminary Operation (e.g. grinding, de-gritting, blending)
- ☒ Thickening (e.g. gravity thickening, centrifugation, filter press, vacuum filter)
- ☐ Sludge Lagoon

☐ Temporary Storage (< 2 years)

☐ Long Term Storage (>= 2 years)

☐ Methane or Biogas Recovery

☐ Other Treatment Process: Click to enter text.

C. Biosolids Management

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

Biosolids Management

Management Practice	Handler or Preparer Type	Bulk or Bag Container	Amount (dry metric tons)	Pathogen Reduction Options	Vector Attraction Reduction Option
Disposal in Landfill	Off-site Third-Party Preparer	Bulk	150.54	Choose an item.	Choose an item.

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: Mesquite Creek Landfill

TCEQ permit or registration number: 48029

County where disposal site is located: Comal

E. Transportation method

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

Name of the hauler: Residuals Transport

Hauler registration number: 24346

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

  Attachment: N/A
- Federal Emergency Management Map:

  Attachment: N/A
- Site map:

  Attachment: N/A

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

☐ Overlap a designated 100-year frequency flood plain

☐ Soils with flooding classification

☐ Overlap an unstable area

☐ Wetlands

☐ Located less than 60 meters from a fault

☐ None of the above

Attachment: N/A

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

N/A

B. Temporary storage information

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

Nitrate Nitrogen, mg/kg: N/A

Total Kjeldahl Nitrogen, mg/kg: N/A

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

Phosphorus, mg/kg: N/A

Potassium, mg/kg: N/A

pH, standard units: N/A

Ammonia Nitrogen mg/kg: N/A

Arsenic: N/A

Cadmium: N/A

Chromium: N/A

Copper: N/A

Lead: N/A

Mercury: N/A

Molybdenum: N/A

Nickel: N/A

Selenium: N/A

Zinc: N/A

Total PCBs: N/A

Provide the following information:

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

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

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

C. Liner information

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

☐ Yes ☐ No

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

N/A

D. Site development plan

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

N/A

Attach the following documents to the application.

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

  Attachment: N/A
- Copy of the closure plan

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

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

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

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

  Attachment: N/A

E. Groundwater monitoring

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

☐ Yes ☐ No

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

Attachment: N/A

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

A. Additional authorizations

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

☒ Yes ☐ No

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

Reuse – R10232001

B. Permittee enforcement status

Is the permittee currently under enforcement for this facility?

☐ Yes ☒ No

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

☐ Yes ☒ No

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

N/A

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

A. RCRA hazardous wastes

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

☐ Yes ☒ No

B. Remediation activity wastewater

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

☐ Yes ☒ No

C. Details about wastes received

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

Attachment: N/A

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: N/A

Distance and direction to the intake: N/A

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

Attachment: N/A

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

Does the facility discharge into tidally affected waters?

☐ Yes ☒ No

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

A. Receiving water outfall

Width of the receiving water at the outfall, in feet: N/A

B. Oyster waters

Are there oyster waters in the vicinity of the discharge?

☐ Yes ☐ No

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

N/A

C. Sea grasses

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

☐ Yes ☐ No

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

N/A

Section 3. Classified Segments (Instructions Page 64)

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

☐ Yes ☒ No

If yes, this Worksheet is complete.

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

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

Name of the immediate receiving waters: tributary of Guadalupe River

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.

Guadalupe River

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.

Discharge to a dry creek

Date and time of observation: 8/6/25

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

B. Waterbody uses

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

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

C. Waterbody aesthetics

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

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

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

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

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

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 4.0: POLLUTANT ANALYSIS REQUIREMENTS

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

This worksheet is not required minor amendments without renewal.

Section 1. Toxic Pollutants (Instructions Page 78)

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

Grab ☒ Composite ☒

Date and time sample(s) collected: 8-5-25 @ 1252 – Grab and 0700 - Comp

Table 4.0(1) – Toxics Analysis

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acrylonitrile	<1	<1	1	50
Aldrin	<0.01	<0.01	1	0.01
Aluminum	200	200	1	2.5
Anthracene	<1	<1	1	10
Antimony	<5	<5	1	5
Arsenic	0.6	0.6	1	0.5
Barium	14	14	1	3
Benzene	<0.3	<0.3	1	10
Benzidine	<1	<1	1	50
Benzo(a)anthracene	<1	<1	1	5
Benzo(a)pyrene	<1	<1	1	5
Bis(2-chloroethyl)ether	<1	<1	1	10
Bis(2-ethylhexyl)phthalate	<3	<3	1	10
Bromodichloromethane	20.5	20.5	1	10
Bromoform	0.487	0.487	1	10
Cadmium	<1	<1	1	1
Carbon Tetrachloride	<0.3	<0.3	1	2
Carbaryl	<0.001	<0.001	1	5
Chlordane*	<0.06	<0.06	1	0.2
Chlorobenzene	<0.3	<0.3	1	10
Chlorodibromomethane	6.79	6.79	1	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Chloroform	42.9	42.9	1	10
Chlorpyrifos	<0.01	<0.01	1	0.05
Chromium (Total)	<3	<3	1	3
Chromium (Tri) **(*1)**	<3	<3	1	N/A
Chromium (Hex)	<3	<3	1	3
Copper	13	13	1	2
Chrysene	<1	<1	1	5
p-Chloro-m-Cresol	<2	<2	1	10
4,6-Dinitro-o-Cresol	<2	<2	1	50
p-Cresol	<2	<2	1	10
Cyanide **(*2)**	<10	<10	1	10
4,4'- DDD	<0.01	<0.01	1	0.1
4,4'- DDE	<0.01	<0.01	1	0.1
4,4'- DDT	<0.01	<0.01	1	0.02
2,4-D	<0.512	<0.512	1	0.7
Demeton (O and S)	<0.01	<0.01	1	0.20
Diazinon	<0.01	<0.01	1	0.5/0.1
1,2-Dibromoethane	<0.3	<0.3	1	10
m-Dichlorobenzene	<0.3	<0.3	1	10
o-Dichlorobenzene	<0.3	<0.3	1	10
p-Dichlorobenzene	<0.3	<0.3	1	10
3,3'-Dichlorobenzidine	<1	<1	1	5
1,2-Dichloroethane	<0.3	<0.3	1	10
1,1-Dichloroethylene	<0.3	<0.3	1	10
Dichloromethane	<2.5	<2.5	1	20
1,2-Dichloropropane	<0.3	<0.3	1	10
1,3-Dichloropropene	<0.3	<0.3	1	10
Dicofol	<0.1	<0.1	1	1
Dieldrin	<0.01	<0.01	1	0.02
2,4-Dimethylphenol	<1	<1	1	10
Di-n-Butyl Phthalate	<3	<3	1	10
Diuron	<0.03	<0.03	1	0.09
Endosulfan I (alpha)	<0.01	<0.01	1	0.01

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Endosulfan II (beta)	<0.01	<0.01	1	0.02
Endosulfan Sulfate	<0.01	<0.01	1	0.1
Endrin	<0.01	<0.01	1	0.02
Ethylbenzene	<0.3	<0.3	1	10
Fluoride	400	400	1	500
Guthion	<0.01	<0.01	1	0.1
Heptachlor	<0.01	<0.01	1	0.01
Heptachlor Epoxide	<0.01	<0.01	1	0.01
Hexachlorobenzene	<1	<1	1	5
Hexachlorobutadiene	<1	<1	1	10
Hexachlorocyclohexane (alpha)	<0.01	<0.01	1	0.05
Hexachlorocyclohexane (beta)	<0.01	<0.01	1	0.05
gamma-Hexachlorocyclohexane (Lindane)	<0.01	<0.01	1	0.05
Hexachlorocyclopentadiene	<1	<1	1	10
Hexachloroethane	<1	<1	1	20
Hexachlorophene	<1	<1	1	10
Lead	<0.5	<0.5	1	0.5
Malathion	<0.01	<0.01	1	0.1
Mercury	<0.005	<0.005	1	0.005
Methoxychlor	<0.02	<0.02	1	2
Methyl Ethyl Ketone	<5	<5	1	50
Mirex	<0.01	<0.01	1	0.02
Nickel	<2	<2	1	2
Nitrate-Nitrogen	26700	26700	1	100
Nitrobenzene	<1	<1	1	10
N-Nitrosodiethylamine	<2	<2	1	20
N-Nitroso-di-n-Butylamine	<1	<1	1	20
Nonylphenol	<68.7	<68.7	1	333
Parathion (ethyl)	<0.01	<0.01	1	0.1
Pentachlorobenzene	<1	<1	1	20
Pentachlorophenol	<1	<1	1	5
Phenanthrene	<1	<1	1	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Polychlorinated Biphenyls (PCB's) **(*3)**	<0.2	<0.2	1	0.2
Pyridine	<1	<1	1	20
Selenium	<5	<5	1	5
Silver	<0.5	<0.5	1	0.5
1,2,4,5-Tetrachlorobenzene	<1	<1	1	20
1,1,2,2-Tetrachloroethane	<0.3	<0.3	1	10
Tetrachloroethylene	<0.6	<0.6	1	10
Thallium	<0.5	<0.5	1	0.5
Toluene	<0.6	<0.6	1	10
Toxaphene	<0.3	<0.3	1	0.3
2,4,5-TP (Silvex)	<0.3	<0.3	1	0.3
Tributyltin (see instructions for explanation)	N/A	N/A	N/A	0.01
1,1,1-Trichloroethane	<0.3	<0.3	1	10
1,1,2-Trichloroethane	<0.3	<0.3	1	10
Trichloroethylene	<0.6	<0.6	1	10
2,4,5-Trichlorophenol	<1	<1	1	50
TTHM (Total Trihalomethanes)	70.6	70.6	1	10
Vinyl Chloride	<0.3	<0.3	1	10
Zinc	27	27	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: 8-5-25 @ 1252 – Grab and 0700 - Comp

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

Pollutant	**AVG Effluent Conc. (µg/l)**	**MAX Effluent Conc. (µg/l)**	**Number of Samples**	**MAL (µg/l)**
Antimony	<5	<5	1	5
Arsenic	0.6	0.6	1	0.5
Beryllium	<0.5	<0.5	1	0.5
Cadmium	<1	<1	1	1
Chromium (Total)	<3	<3	1	3
Chromium (Hex)	<3	<3	1	3
Chromium (Tri) **(*1)**	<3	<3	1	N/A
Copper	13	13	1	2
Lead	<0.5	<0.5	1	0.5
Mercury	<0.005	<0.005	1	0.005
Nickel	<2	<2	1	2
Selenium	<5	<5	1	5
Silver	<0.5	<0.5	1	0.5
Thallium	0.5	0.5	1	0.5
Zinc	27	27	1	5
Cyanide **(*2)**	<10	<10	1	10
Phenols, Total	20	20	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	<5	<5	1	50
Acrylonitrile	<1	<1	1	50
Benzene	<0.3	<0.3	1	10
Bromoform	0.487	0.487	1	10
Carbon Tetrachloride	<0.3	<0.3	1	2
Chlorobenzene	<0.3	<0.3	1	10
Chlorodibromomethane	6.79	6.79	1	10
Chloroethane	<1	<1	1	50
2-Chloroethylvinyl Ether	<6	<6	1	10
Chloroform	42.9	42.9	1	10
Dichlorobromomethane [Bromodichloromethane]	20.5	20.5	1	10
1,1-Dichloroethane	<0.3	<0.3	1	10
1,2-Dichloroethane	<0.3	<0.3	1	10
1,1-Dichloroethylene	<0.3	<0.3	1	10
1,2-Dichloropropane	<0.3	<0.3	1	10
1,3-Dichloropropylene [1,3-Dichloropropene]	<0.3	<0.3	1	10
1,2-Trans-Dichloroethylene	<0.3	<0.3	1	10
Ethylbenzene	<0.3	<0.3	1	10
Methyl Bromide	<1	<1	1	50
Methyl Chloride	<1	<1	1	50
Methylene Chloride	<2.5	<2.5	1	20
1,1,2,2-Tetrachloroethane	<10	<10	1	10
Tetrachloroethylene	<0.6	<0.6	1	10
Toluene	<0.3	<0.3	1	10
1,1,1-Trichloroethane	<0.3	<0.3	1	10
1,1,2-Trichloroethane	<0.3	<0.3	1	10
Trichloroethylene	<0.6	<0.6	1	10
Vinyl Chloride	<0.3	<0.3	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	<1	<1	1	10
2,4-Dichlorophenol	<1	<1	1	10
2,4-Dimethylphenol	<1	<1	1	10
4,6-Dinitro-o-Cresol	<2	<2	1	50
2,4-Dinitrophenol	<2	<2	1	50
2-Nitrophenol	<1	<1	1	20
4-Nitrophenol	<2	<2	1	50
P-Chloro-m-Cresol	<3	<3	1	10
Pentalchlorophenol	<1	<1	1	5
Phenol	<1	<1	1	10
2,4,6-Trichlorophenol	<1	<1	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	<1	1	10
Acenaphthylene	<1	<1	1	10
Anthracene	<1	<1	1	10
Benzidine	<1	<1	1	50
Benzo(a)Anthracene	<1	<1	1	5
Benzo(a)Pyrene	<1	<1	1	5
3,4-Benzofluoranthene	<1	<1	1	10
Benzo(ghi)Perylene	<1	<1	1	20
Benzo(k)Fluoranthene	<1	<1	1	5
Bis(2-Chloroethoxy)Methane	<1	<1	1	10
Bis(2-Chloroethyl)Ether	<1	<1	1	10
Bis(2-Chloroisopropyl)Ether	<1	<1	1	10
Bis(2-Ethylhexyl)Phthalate	<3	<3	1	10
4-Bromophenyl Phenyl Ether	<1	<1	1	10
Butyl benzyl Phthalate	<3	<3	1	10
2-Chloronaphthalene	<1	<1	1	10
4-Chlorophenyl phenyl ether	<1	<1	1	10
Chrysene	<1	<1	1	5
Dibenzo(a,h)Anthracene	<1	<1	1	5
1,2-(o)Dichlorobenzene	<3	<3	1	10
1,3-(m)Dichlorobenzene	<3	<3	1	10
1,4-(p)Dichlorobenzene	<3	<3	1	10
3,3-Dichlorobenzidine	<1	<1	1	5
Diethyl Phthalate	<3	<3	1	10
Dimethyl Phthalate	<3	<3	1	10
Di-n-Butyl Phthalate	<3	<3	1	10
2,4-Dinitrotoluene	<1	<1	1	10
2,6-Dinitrotoluene	<1	<1	1	10
Di-n-Octyl Phthalate	<3	<3	1	10
1,2-Diphenylhydrazine (as Azo-benzene)	<1	<1	1	20
Fluoranthene	<1	<1	1	10

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

Table 4.0(2)E – Pesticides

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Aldrin	<0.01	<0.01	1	0.01
alpha-BHC (Hexachlorocyclohexane)	<0.01	<0.01	1	0.05
beta-BHC (Hexachlorocyclohexane)	<0.01	<0.01	1	0.05
gamma-BHC (Hexachlorocyclohexane)	<0.01	<0.01	1	0.05
delta-BHC (Hexachlorocyclohexane)	<0.01	<0.01	1	0.05
Chlordane	<0.06	<0.06	1	0.2
4,4-DDT	<0.01	<0.01	1	0.02
4,4-DDE	<0.01	<0.01	1	0.1
4,4,-DDD	<0.01	<0.01	1	0.1
Dieldrin	<0.01	<0.01	1	0.02
Endosulfan I (alpha)	<0.01	<0.01	1	0.01
Endosulfan II (beta)	<0.01	<0.01	1	0.02
Endosulfan Sulfate	<0.01	<0.01	1	0.1
Endrin	<0.01	<0.01	1	0.02
Endrin Aldehyde	<0.01	<0.01	1	0.1
Heptachlor	<0.01	<0.01	1	0.01
Heptachlor Epoxide	<0.01	<0.01	1	0.01
PCB-1242	<0.1	<0.1	1	0.2
PCB-1254	<0.1	<0.1	1	0.2
PCB-1221	<0.1	<0.1	1	0.2
PCB-1232	<0.1	<0.1	1	0.2
PCB-1248	<0.1	<0.1	1	0.2
PCB-1260	<0.1	<0.1	1	0.2
PCB-1016	<0.1	<0.1	1	0.2
Toxaphene	<0.3	<0.3	1	0.3

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

Section 3. Dioxin/Furan Compounds

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

☐ 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.

Click to enter text.

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.

Click to enter text.

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: N/A

48-hour Acute: 16

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
Submitted via DMR			

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 6.0: INDUSTRIAL WASTE CONTRIBUTION

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

Section 1. All POTWs (Instructions Page 89)

A. Industrial users (IUs)

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

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

Categorical IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0

Significant IUs – non-categorical:

Number of IUs: 0

Average Daily Flows, in MGD: 0

Other IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0

B. Treatment plant interference

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

☐ Yes ☒ No

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

N/A

C. Treatment plant pass through

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

☐ Yes ☒ No

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

N/A

D. Pretreatment program

Does your POTW have an approved pretreatment program?

☒ Yes ☐ No

If yes, complete Section 2 only of this Worksheet.

Is your POTW required to develop an approved pretreatment program?

☐ Yes ☐ No

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

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

E. Service Area Map

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

Attachment: Attachment E

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

SIC Code: N/A

Contact name: N/A

Address: N/A

City, State, and Zip Code: N/A

Telephone number: N/A

Email address: N/A

B. Process information

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

N/A

C. Product and service information

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

N/A

D. Flow rate information

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

Process Wastewater:

Discharge, in gallons/day: N/A

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

Non-Process Wastewater:

Discharge, in gallons/day: N/A

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

E. Pretreatment standards

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. N/A

Category: N/A

Subcategories: N/A

F. Industrial user interruptions

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

☐ Yes ☐ No

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

N/A

ATTACHMENT E

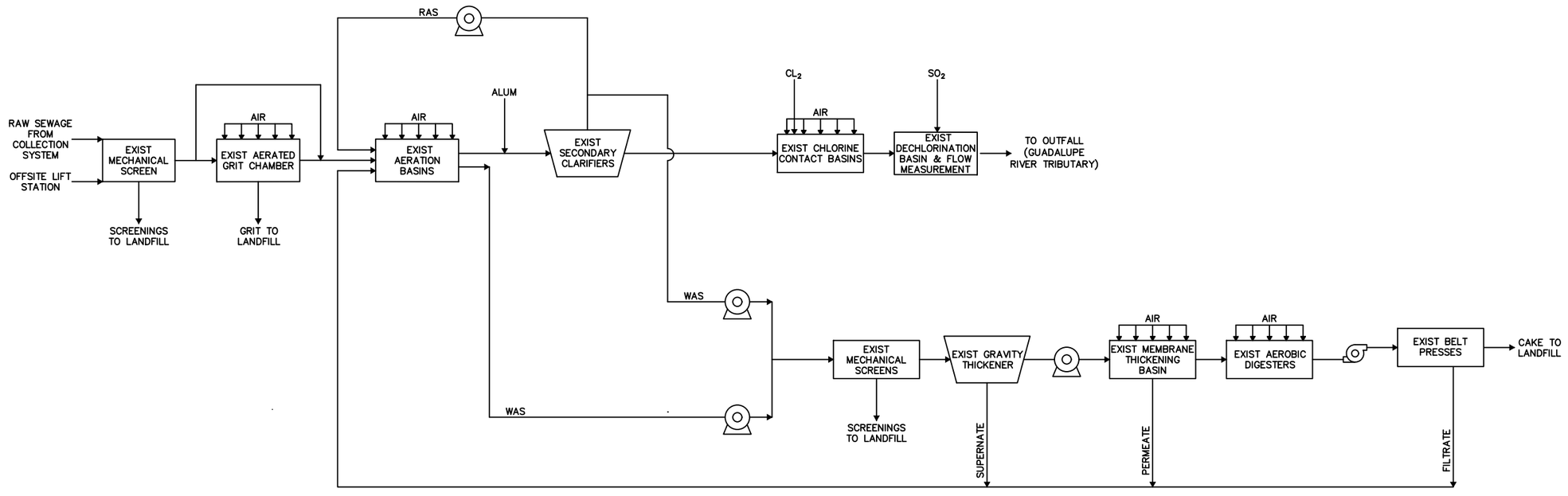
FLOW SCHEMATICS

NEW BRAUNFELS UTILITIES
SOUTH KUEHLER WASTEWATER TREATMENT PLANT

QUIDDITY
Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337

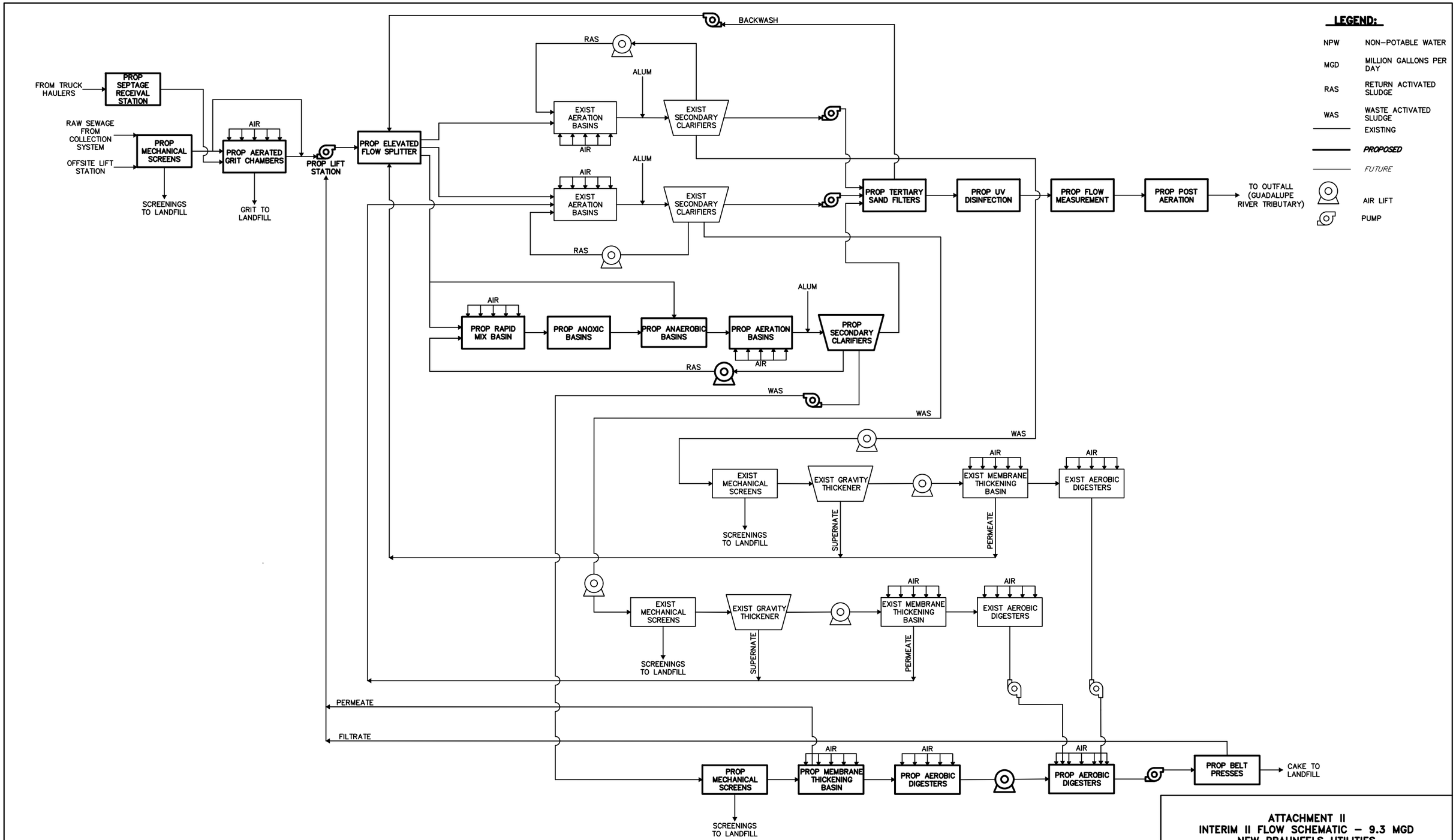
LEGEND:

NPW	NON–POTABLE WATER
MGD	MILLION GALLONS PER DAY
RAS	RETURN ACTIVATED SLUDGE
WAS	WASTE ACTIVATED SLUDGE
———	EXISTING
———	***PROPOSED***
———	*FUTURE*
	AIR LIFT
	PUMP



ATTACHMENT I
INTERIM I FLOW SCHEMATIC – 4.2 MGD
NEW BRAUNFELS UTILITIES
COMAL COUNTY, TEXAS
SOUTH KUEHLER WASTEWATER TREATMENT PLANT
PERMIT NO. WQ0010232001

QUIDDITY
Texas Board of Professional Engineers and Land Surveyors Reg. No. F-23290
2967 Oak Run Parkway, Suite 215 ● New Braunfels, TX 78132 ● 830.203.6630



ATTACHMENT II
INTERIM II FLOW SCHEMATIC – 9.3 MGD
NEW BRAUNFELS UTILITIES
COMAL COUNTY, TEXAS
SOUTH KUEHLER WASTEWATER TREATMENT PLANT
PERMIT NO. WQ0010232001

QUIDDITY
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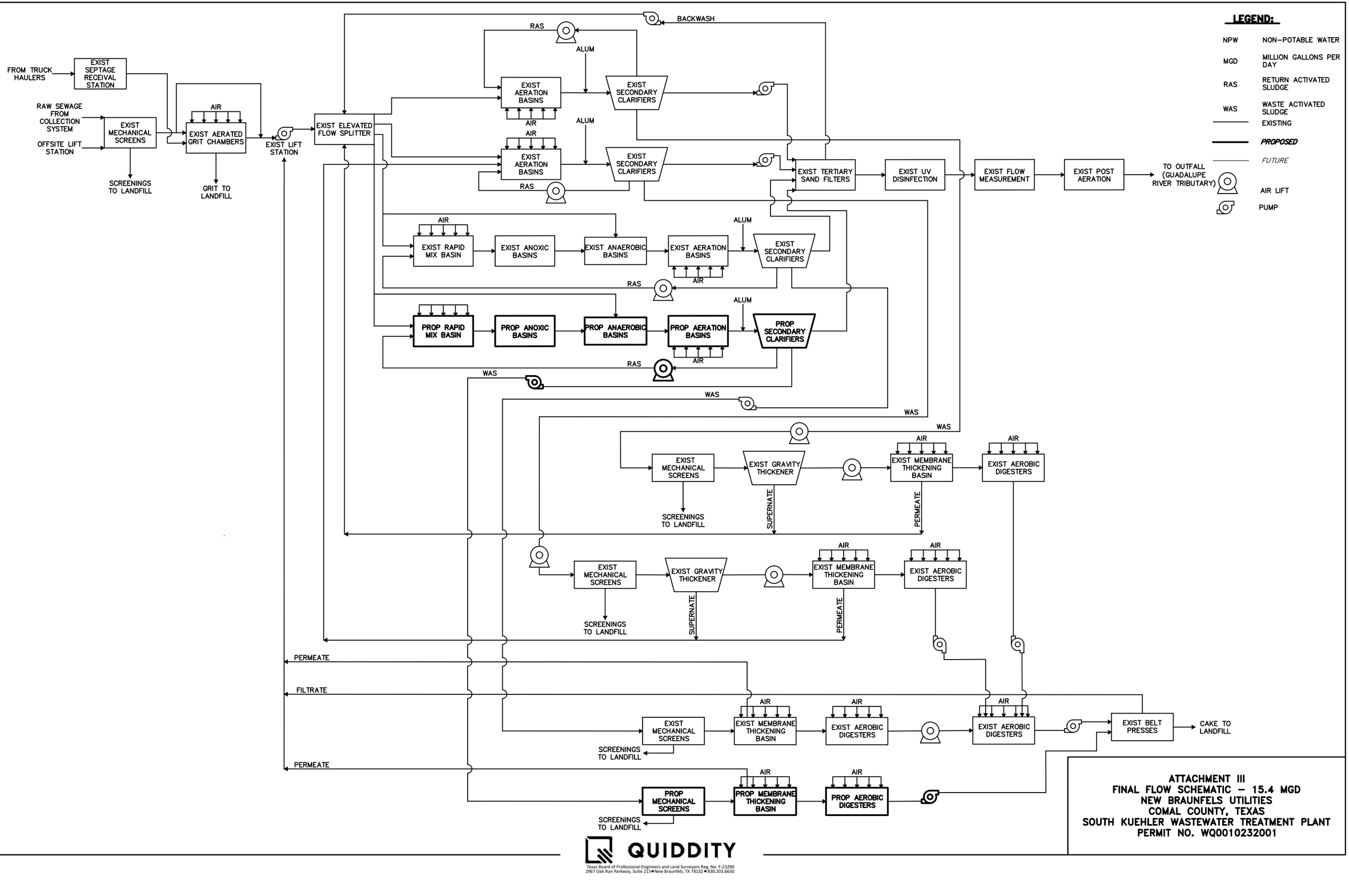


ATTACHMENT III
FINAL FLOW SCHEMATIC – 15.4 MGD
NEW BRAUNFELS UTILITIES
COMAL COUNTY, TEXAS
SOUTH KUEHLER WASTEWATER TREATMENT PLANT
PERMIT NO. WQ0010232001

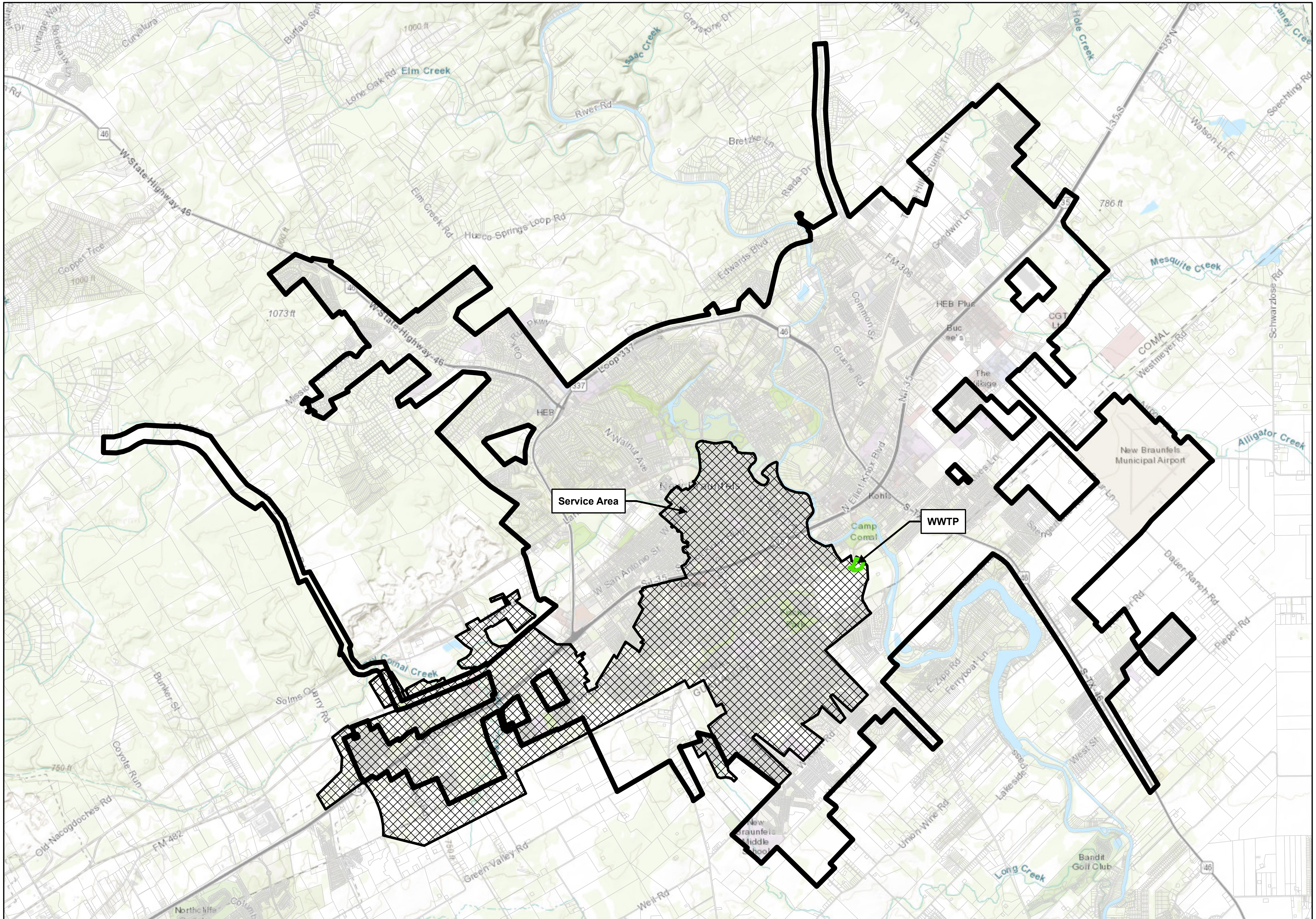
QUIDDITY
Texas Board of Professional Engineers and Land Surveyors Reg. No. F-23290
2967 Oak Run Parkway, Suite 215 ◆ New Braunfels, TX 78132 ◆ 830.203.6630

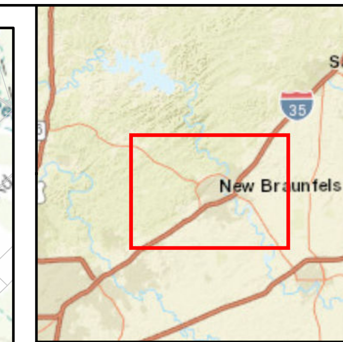
ATTACHMENT F

SERVICE AREA MAP

NEW BRAUNFELS UTILITIES
SOUTH KUEHLER WASTEWATER TREATMENT PLANT

QUIDDITY
Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337





VICINITY MAP
1 INCH = 20 MILES

LEGEND
- City Limits
- Service Area
- WWTP Boundary
- Parcels

SERVICE AREA MAP

NBU SOUTH KUEHLER
COMAL COUNTY, TEXAS

N W E S

0 5,700
1 INCH : 5,700 FEET
IMAGERY PROVIDED BY NEARMAP

Disclaimer: This product is offered for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of property, governmental and/or political boundaries or related facilities to said boundary. No express warranties are made by Quiddity Engineering concerning the accuracy, completeness, reliability, or usability of the information included within this exhibit.

QUIDDITY
Texas Board of Professional Engineers Registration No. F-23290

Path: V:\Practice Workspace\Corporate Services\GIS\Projects\0_Individuals\J_Nguyen\NBU South Kuehler\Service_Area_Map_(11x17).mxd Project Number: 05487-0035-01.100 Date: 7/7/2025 User Name: ada1

ATTACHMENT G

LIST OF TREATMENT UNITS AND PROCESS

NEW BRAUNFELS UTILITIES
SOUTH KUEHLER WASTEWATER TREATMENT PLANT

QUIDDITY
Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337

NEW BRAUNFELS UTILITIES
SOUTH KUEHLER WASTEWATER TREATMENT PLANT
TREATMENT UNITS AND DIMENSIONS

Interim I Facilities:

The existing (Interim I) New Braunfels Utilities South Kuehler Wastewater Treatment Plant is a single-stage nitrification activated sludge process capable of treating 4.2 MGD average daily flow. It also includes a solids process train with aerobic digesters, thickeners, and dewatering.

A schematic of the Interim I wastewater treatment plant is provided in Attachment E of this application.

Following are the treatment unit volumes and surface areas:

Grit Chamber	= 5,600 ft^3
Aeration Basins	= 303,070 ft^3
Secondary Clarifiers	= 10,604 ft^2
Chlorine Contact Basins	= 25,270 ft^3
Dechlorination Basin	= 384 ft^3
Aerobic Digesters	= 61,892 ft^3
Gravity Thickener	= 1,325 ft^2
Air Blowers (Firm Capacity)	
Process Air	= 15,236 scfm
Digester Air	= 2,140 scfm

Interim II Facilities:

The future (Interim II) New Braunfels Utilities South Kuehler Wastewater Treatment Plant will consist of a common preliminary treatment process train, three secondary treatment process trains (Existing Plant Nos. 1 and 2 and Proposed Plant No. 3), and a common tertiary process train capable of treating a total of 9.3 MGD average daily flow. The preliminary treatment process will consist of mechanical screens, aerated grit chambers, and an influent lift station. For the secondary treatment process, Plant Nos. 1 and 2 are existing single-stage nitrification activated sludge trains, and Plant No. 3 is a proposed enhanced biological phosphorus removal activated sludge train with anoxic, anaerobic, and aeration basins, and secondary clarifiers. The tertiary treatment process will consist of tertiary filtration, UV disinfection, and post-aeration. It will also include three solids process trains (two existing and one proposed) consisting of aerobic digesters, thickeners, and one common dewatering facility.

A schematic of the Interim II wastewater treatment plant is provided in Attachment E of this application.

Following are the treatment unit volumes and surface areas:

Grit Chamber	= 17,783 ft^3
Aeration Basins	= 740,848 ft^3
Secondary Clarifiers	= 26,234 ft^3
Anaerobic Basin	= 18,240 ft^3 (Plant No. 3 only)
Anoxic Selector Basin	= 7,220 ft^3 (Plant No. 3 only)
Tertiary Granular Dual Media Filters	= 5,376 ft^2
Aerobic Digesters	= 391,629 ft^3
Air Blowers (Firm Capacity)	
Process Air	= 26,885 scfm
Solids Air	= 12,922 scfm

Final Facilities:

The final phase of the New Braunfels Utilities South Kuehler Wastewater Treatment Plant will consist of an existing common preliminary treatment process train, four secondary treatment process trains (Existing Plant Nos. 1, 2, and 3 and Proposed Plant No. 4), and an existing common tertiary process train capable of treating a total of 15.4 MGD average daily flow. The preliminary treatment process will consist of mechanical screens, aerated grit chambers, and an influent lift station. For the secondary treatment process, Plant Nos. 1 and 2 are existing single-stage nitrification activated sludge trains, Plant No. 3 is an existing enhanced biological phosphorus removal activated sludge train, and Plant No. 4 is a proposed enhanced biological phosphorus removal activated sludge train with anoxic, anaerobic, and aeration basins, and secondary clarifiers. The tertiary treatment process will consist of tertiary filtration, UV disinfection, and post-aeration. It will also include four solids process trains (three existing and one proposed) consisting of aerobic digesters and thickeners and one common dewatering facility.

A schematic of the Final wastewater treatment plant is provided in Attachment E of this application.

Following are the treatment unit volumes and surface areas:

Grit Chamber	= 17,783 ft^3
Aeration Basins	= 1,331,248 ft^3
Secondary Clarifiers	= 41,312 ft^3
Anaerobic Basin	= 72,960 ft^3 (Plant Nos. 3 and 4 only)
Anoxic Selector Basin	= 28,880 ft^3 (Plant Nos. 3 and 4 only)

Tertiary Granular Dual Media Filters	= 8,064 ft^2
Aerobic Digesters	= 643,629 ft^3
Air Blowers (Firm Capacity)	
Process Air	= 37,047 scfm
Solids Air	= 20,722 scfm

ATTACHMENT H

CORE DATA FORM

NEW BRAUNFELS UTILITIES
SOUTH KUEHLER WASTEWATER TREATMENT PLANT

QUIDDITY
Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337

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 600522957		**RN 102078011**

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:

New Braunfels Utilities

7. TX SOS/CPA Filing Number	**8. TX State Tax ID** (11 digits)	**9. Federal Tax ID** (9 digits)	**10. DUNS Number** *(if applicable)*
		746001783	38346169

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:

263 Main Plaza

City	New Braunfels	**State**	TX	**ZIP**	78130	**ZIP + 4**	

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

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(830) 608-8900		( ) -

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.)*

South Kuehler Wastewater Treatment Plant

23. Street Address of the Regulated Entity: ***(No PO Boxes)***	1608 Coco Drive							
	City	New Braunfels	**State**	TX	**ZIP**	78130	**ZIP + 4**	
24. County	Comal							

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

25. Description to Physical Location:	N/A				
26. Nearest City			**State**	**Nearest ZIP Code**	
New Braunfels			TX	78130	

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:	29.686472		**28. Longitude (W) In Decimal:**	-98.098109	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds

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

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

treatment of domestic wastewater

34. Mailing Address:	**263 Main Plaza**							
	City	**New Braunfels**	**State**	**TX**	**ZIP**	**78130**	**ZIP + 4**	
35. E-Mail Address:	**blundmark@nbutexas.com**							

36. Telephone Number	37. Extension or Code	38. Fax Number *(if applicable)*
(830) 608-8900		( ) -

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
	TXR05R076			
☐ Voluntary Cleanup	☒ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:
	WQ0010232001			

SECTION IV: Preparer Information

40. Name:	Jonathan Nguyen	**41. Title:**	Permit Specialist

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(512 **)** 685-5156		**( )** -	jnguyen@quiddity.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:	New Braunfels Utilities	**Job Title:**	Water Treatment and Compliance Manager
Name *(In Print):*	Brent Lundmark	**Phone:**	**(** 830 **)** 608- **8900**
Signature:		**Date:**	

ATTACHMENT I

EFFLUENT ANALYSIS

NEW BRAUNFELS UTILITIES
SOUTH KUEHLER WASTEWATER TREATMENT PLANT

QUIDDITY

Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337

POLLUTION CONTROL SERVICES

Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Trish Soechting (WWTP) **New Braunfels Utilities** **P.O. Box 310289** **New Braunfels, TX 78131**	**Project Name: SK TCEQ Major Permit** **Sample ID: Effluent 08052531** **Matrix: Non-Potable Water** **Date/Time Taken: 8/5/2025 0700**	**PCS Sample #: 810676 Page 1 of 2** **Date/Time Received: 8/5/2025 08:45** **Report Date: 8/20/2025** **Approved by:** Chuck Wallgren, President

Test Description	Result	Units	RL	Analysis Date/Time	Method	Analyst
Chloride_IC	173	mg/L	5	08/06/2025 09:39	EPA 300.0	JAS
Nitrate-N_IC	26.7	mg/L	0.5	08/06/2025 06:33	EPA 300.0	JAS
Sulfate_IC	80	mg/L	5	08/06/2025 09:39	EPA 300.0	JAS
Fluoride_IC	0.40	mg/L	0.50	08/06/2025 09:39	EPA 300.0	JAS
Pesticides 617	See Attached				DHL	
604.1 Hexachlorophene	See Attached				DHL	
Semi Volatiles 625	See Attached				DHL	
Pesticides 608	See Attached				DHL	

Quality Assurance Summary

Test Description	Precision	Limit	LCL	MS	MSD	UCL	LCS	LCS Limit	Blank
Chloride_IC	<1	10	95	95	95	102	93	85 - 115	
Nitrate-N_IC	<1	20	70	93	93	130	102	85 - 115	
Sulfate_IC	<1	10	94	94	94	101	94	85 - 115	
Fluoride_IC	4	10	87	91	94	105	92	85 - 115	
Pesticides 617	See Attached Report for Quality Assurance Information								
604.1 Hexachlorophene	See Attached Report for Quality Assurance Information								
Semi Volatiles 625	See Attached Report for Quality Assurance Information								
Pesticides 608	See Attached Report for Quality Assurance Information								

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

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

www.pcslab.net
chuck@pcslab.net
1532 Universal City Blvd
Universal City, TX 78148-3318
Main: 210-340-0343
Fax: 210-658-7903

POLLUTION CONTROL SERVICES

Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Trish Soechting (WWTP) **New Braunfels Utilities** **P.O. Box 310289** **New Braunfels, TX 78131**	**Project Name: SK TCEQ Major Permit** **Sample ID: Effluent 08052531** **Matrix: Non-Potable Water** **Date/Time Taken: 8/5/2025 0700**	**PCS Sample #: 810676 Page 2 of 2** **Date/Time Received: 8/5/2025 08:45** **Report Date: 8/20/2025**

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

Quality Assurance Summary

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

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

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Fax: 210-658-7903

POLLUTION CONTROL SERVICES

Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Trish Soechting (WWTP) **New Braunfels Utilities** **P.O. Box 310289** **New Braunfels, TX 78131**	**Project Name: SK TCEQ Major Permit** **Sample ID: Effluent 08052532** **Matrix: Non-Potable Water** **Date/Time Taken: 8/5/2025 0700**	**PCS Sample #: 810677 Page 1 of 1** **Date/Time Received: 8/5/2025 08:45** **Report Date: 8/12/2025** **Approved by:** Chuck Wallgren, President

Test Description	Result	Units	RL	Analysis Date/Time	Method	Analyst
Ammonia-N (ISE)	<0.1	mg/L	0.1	08/05/2025 12:25	SM 4500-NH3 D	CLH
Kjeldahl-N, Total	2	mg/L	1	08/08/2025 09:30	SM 4500-N B/C	PML

Quality Assurance Summary

Test Description	Precision	Limit	LCL	MS	MSD	UCL	LCS	LCS Limit	Blank
Ammonia-N (ISE)	3	10	80	96	98	120	100	85 - 115	
Kjeldahl-N, Total	2	10	90	100	98	109	106	85 - 115	<1

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

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Fax: 210-658-7903

POLLUTION CONTROL SERVICES

Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Trish Soechting (WWTP) **New Braunfels Utilities** **P.O. Box 310289** **New Braunfels, TX 78131**	**Project Name: SK TCEQ Major Permit** **Sample ID: Effluent 08052533** **Matrix: Non-Potable Water** **Date/Time Taken: 08/05/2025 0700**	**PCS Sample #: 810678 Page 1 of 2** **Date/Time Received: 08/05/2025 08:45** **Report Date: 08/25/2025** **Approved by:** Chuck Wallgren, President

Test Description	Result	Units	RL	Analysis Date/Time	Method	Analyst
Arsenic/ICP MS	0.0006	mg/L	0.0005	08/08/2025 08:38	EPA 200.8	DJL
Barium/ICP (Total)	0.014	mg/L	0.003	08/11/2025 12:07	EPA 200.7 / 6010 B	DJL
Cadmium/ICP (Total)	<0.001	mg/L	0.001	08/11/2025 12:07	EPA 200.7 / 6010 B	DJL
Chromium/ICP (Total)	<0.003	mg/L	0.003	08/11/2025 12:07	EPA 200.7 / 6010 B	DJL
Copper/ICP (Total)	0.013	mg/L	0.002	08/11/2025 12:07	EPA 200.7 / 6010 B	DJL
Lead/ICP MS	<0.0005	mg/L	0.0005	08/08/2025 08:38	EPA 200.8	DJL
Aluminum/ICP (Total)	0.200	mg/L	0.0025	08/11/2025 15:00	EPA 200.7 / 6010 B	DJL
Beryllium/ICP (Total)	<0.0005	mg/L	0.0005	08/11/2025 12:07	EPA 200.7 / 6010 B	DJL

Quality Assurance Summary

Test Description	Precision	Limit	LCL	MS	MSD	UCL	LCS	LCS Limit	Blank
Arsenic/ICP MS	<1	20	70	102	102	130	98	85 - 115	
Barium/ICP (Total)	<1	20	75	93	93	125	100	85 - 115	
Cadmium/ICP (Total)	<1	20	75	99	99	125	100	85 - 115	
Chromium/ICP (Total)	<1	20	75	100	100	125	105	85 - 115	
Copper/ICP (Total)	10	20	75	104	95	125	105	85 - 115	
Lead/ICP MS	1	20	70	100	102	130	101	85 - 115	
Aluminum/ICP (Total)	<1	20	75	99	99	125	100	85 - 115	
Beryllium/ICP (Total)	<1	20	75	100	100	125	100	85 - 115	

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

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Main: 210-340-0343
Fax: 210-658-7903

POLLUTION CONTROL SERVICES

Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Trish Soechting (WWTP) **New Braunfels Utilities** **P.O. Box 310289** **New Braunfels, TX 78131**	**Project Name: SK TCEQ Major Permit** **Sample ID: Effluent 08052533** **Matrix: Non-Potable Water** **Date/Time Taken: 08/05/2025 0700**	**PCS Sample #: 810678 Page 2 of 2** **Date/Time Received: 08/05/2025 08:45** **Report Date: 08/25/2025**

Test Description	Result	Units	RL	Analysis Date/Time	Method	Analyst
Trivalent Chromium	<0.003	mg/L	N/A	08/11/2025 12:07	Calculation	DJL
Hexavalent Chrome	<0.003	mg/L	0.003	08/05/2025 13:10	SM 3500-Cr B	DJL
Nickel/ICP (Total)	<0.002	mg/L	0.002	08/11/2025 12:07	EPA 200.7 / 6010 B	DJL
Zinc/ICP (Total)	0.027	mg/L	0.005	08/11/2025 12:07	EPA 200.7 / 6010 B	DJL
Antimony/ICP MS	<0.005	mg/L	0.005	08/08/2025 08:38	EPA 200.8	DJL
Thallium/ICP MS	0.0005	mg/L	0.0005	08/08/2025 08:38	EPA 200.8	DJL
Selenium/ICP MS	<0.005	mg/L	0.005	08/08/2025 08:38	EPA 200.8	DJL
Silver/ICP MS	<0.0005	mg/L	0.0005	08/08/2025 08:38	EPA 200.8	DJL

Quality Assurance Summary

Test Description	Precision	Limit	LCL	MS	MSD	UCL	LCS	LCS Limit	Blank
Trivalent Chromium	N/A	N/A	N/A			N/A			
Hexavalent Chrome	<1	20	75	80	80	125	100	85 - 115	
Nickel/ICP (Total)	<1	20	75	97	97	125	105	85 - 115	
Zinc/ICP (Total)	<1	20	75	106	106	125	105	85 - 115	
Antimony/ICP MS	<1	20	70	101	101	130	99	85 - 115	
Thallium/ICP MS	2	20	70	95	96	130	95	85 - 115	
Selenium/ICP MS	1	20	70	102	100	130	99	85 - 115	
Silver/ICP MS	<1	20	70	95	95	130	101	85 - 115	

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

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POLLUTION CONTROL SERVICES

Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Trish Soechting (WWTP) **New Braunfels Utilities** **P.O. Box 310289** **New Braunfels, TX 78131**	**Project Name: SK TCEQ Major Permit** **Sample ID: Effluent 08042527** **Matrix: Non-Potable Water** **Date/Time Taken: 8/4/2025 1251**	**PCS Sample #: 810679 Page 1 of 1** **Date/Time Received: 8/5/2025 08:45** **Report Date: 8/13/2025** **Approved by:** Chuck Wallgren, President

Test Description	Result	Units	RL	Analysis Date/Time	Method	Analyst
Oil and Grease (H.E.M.)	<5.0	mg/L	5	08/12/2025 10:30	EPA 1664 Rev	EMV

Quality Assurance Summary

Test Description	Precision	Limit	LCL	MS	MSD	UCL	LCS	LCS Limit	Blank
Oil and Grease (H.E.M.)	3	18	N/A	N/A	N/A	N/A	94	78 - 114	

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

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

www.pcslab.net
chuck@pcslab.net
1532 Universal City Blvd
Universal City, TX 78148-3318
Main: 210-340-0343
Fax: 210-658-7903

POLLUTION CONTROL SERVICES

Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Trish Soechting (WWTP) **New Braunfels Utilities** **P.O. Box 310289** **New Braunfels, TX 78131**	**Project Name: SK TCEQ Major Permit** **Sample ID: Effluent 08042528** **Matrix: Non-Potable Water** **Date/Time Taken: 8/4/2025 1252**	**PCS Sample #: 810680 Page 1 of 1** **Date/Time Received: 8/5/2025 08:45** **Report Date: 8/15/2025** **Approved by:** Chuck Wallgren, President

Test Description	Result	Units	RL	Analysis Date/Time	Method	Analyst
Volatiles 624	See Attached				DHL	

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

These analytical results relate only to the sample tested.
All data is reported on an 'As Is' basis unless designated as 'Dry Wt'.
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Web Site: www.pcslab.net
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210-340-0343
FAX # 210-658-7903

POLLUTION CONTROL SERVICES

Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Trish Soechting (WWTP) **New Braunfels Utilities** **P.O. Box 310289** **New Braunfels, TX 78131**	**Project Name: SK TCEQ Major Permit** **Sample ID: Effluent 08042529** **Matrix: Non-Potable Water** **Date/Time Taken: 8/4/2025 1253**	**PCS Sample #: 810681 Page 1 of 1** **Date/Time Received: 8/5/2025 08:45** **Report Date: 8/15/2025** **Approved by:** Chuck Wallgren, President

Test Description	Flag	Result	Units	RL	Analysis Date/Time	Method	Analyst
Cyanide, Amenable	+	See Attached				DHL	

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

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

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1532 Universal City Blvd, Suite 100
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FAX # 210-658-7903

POLLUTION CONTROL SERVICES

Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Trish Soechting (WWTP) **New Braunfels Utilities** **P.O. Box 310289** **New Braunfels, TX 78131**	**Project Name: SK TCEQ Major Permit** **Sample ID: Effluent 08042530** **Matrix: Non-Potable Water** **Date/Time Taken: 8/4/2025 1254**	**PCS Sample #: 810682 Page 1 of 1** **Date/Time Received: 8/5/2025 08:45** **Report Date: 8/20/2025** **Approved by:** Chuck Wallgren, President

Test Description	Result	Units	RL	Analysis Date/Time	Method	Analyst
Phenols	See Attached				SPL	

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

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

Web Site: www.pcslab.net
eMail: chuck@pcslab.net
1532 Universal City Blvd, Suite 100
Universal City, TX 78148-3318
210-340-0343
FAX # 210-658-7903

POLLUTION CONTROL SERVICES

Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Trish Soechting (WWTP) **New Braunfels Utilities** **P.O. Box 310289** **New Braunfels, TX 78131**	**Project Name: SK TCEQ Major Permit** **Sample ID: Effluent 08042526** **Matrix: Non-Potable Water** **Date/Time Taken: 8/4/2025 1250**	**PCS Sample #: 810683 Page 1 of 1** **Date/Time Received: 8/5/2025 08:45** **Report Date: 8/22/2025** **Approved by:** Chuck Wallgren, President

Test Description	Result	Units	RL	Analysis Date/Time	Method	Analyst
Mercury/CVAFS	<0.000005	mg/L	0.000005	08/22/2025 14:56	EPA 245.7	DJL

Quality Assurance Summary

Test Description	Precision	Limit	LCL	MS	MSD	UCL	LCS	LCS Limit	Blank
Mercury/CVAFS	11	20	70	97	84	130	123	70 - 130	<1.8ng/L

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

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

www.pcslab.net
chuck@pcslab.net
1532 Universal City Blvd
Universal City, TX 78148-3318
Main: 210-340-0343
Fax: 210-658-7903

POLLUTION CONTROL SERVICES

Chain of Custody Number: 810676

MULTIPLE SAMPLE ANALYSIS REQUEST AND CHAIN OF CUSTODY FORM

Stamp 1st sample and COC as same number

CUSTOMER INFORMATION

Name: New Braunfels Utilities

REPORT INFORMATION

Attention: Trish Soechting | Phone: (830) 608-8900 | Fax: (830) 626-1361

SAMPLE INFORMATION

Project Information: South Kuehler TCEQ Major Permit Renewal

Report "Soils" ☐ As Is ☐ Dry Wt.

Collected By: JHarris

Client / Field Sample ID	Collected Date	Collected Time	Field Chlorine Residual mg/L	Composite or Grab	Matrix (DW-Drinking Water; NPW-Non-potable water; WW-Wastewater; LW-Liquid Waste)	Container Type	Container Number	Preservative	Requested Analysis: SO4, Cl, NO3N, F, 604.1 Hex, Herb 615, Pest 1657, 608, 617, 632, SVOC 625	NH3N, TKN	Metals* HexCr, TriCr	FOG (HEM)	VOC 624	CN-A	Phenol (Dist)	Low Level Hg	Instructions/Comments: *Al, Ba, Be, Cd, Cr, Cu, Ni, Zn, SbMS, AsMS, PbMS, SeMS, AgMS, TlMS	PCS Sample Number
Effluent 08052531	Start: 8-4-25 End: 8-5-25	Start: 0700 End: 0700		☒C ☐G	☐DW ☒NPW ☐WW ☐Soil ☐Sludge ☐LW ☐Other	☑P ☑G ☐O	9	☐H_2SO_4 ☐HNO_3 ☐H_3PO_4 ☐NaOH ☑ICE ☐	X									810676 ☐S ☐B ☐N ☐HEM Other:
Effluent 08052532	Start: 8-4-25 End: 8-5-25	Start: 0700 End: 0700		☒C ☐G	☐DW ☒NPW ☐WW ☐Soil ☐Sludge ☐LW ☐Other	☑P ☐G ☐O	1	☑H_2SO_4 ☐HNO_3 ☐H_3PO_4 ☐NaOH ☑ICE ☐		X								810677 ☐S ☐B ☐N ☐HEM Other:
Effluent 08052533	Start: 8-4-25 End: 8-5-25	Start: 0700 End: 0700		☒C ☐G	☐DW ☒NPW ☐WW ☐Soil ☐Sludge ☐LW ☐Other	☑P ☐G ☐O	2	☐H_2SO_4 ☑HNO_3 ☐H_3PO_4 ☐NaOH ☑ICE ☐			X							810678 ☐S ☐B ☐N ☐HEM Other:
Effluent 08042527	Start: 8-4-25 End:	Start: 1251 End:		☐C ☒G	☐DW ☒NPW ☐WW ☐Soil ☐Sludge ☐LW ☐Other	☐P ☑G ☐O	1	☑H_2SO_4 ☐HNO_3 ☐H_3PO_4 ☐NaOH ☑ICE ☐				X						810679 ☐S ☐B ☐N ☐HEM Other:
Effluent 08042528	Start: 8-4-25 End:	Start: 1252 End:		☐C ☒G	☐DW ☒NPW ☐WW ☐Soil ☐Sludge ☐LW ☐Other	☐P ☑G ☐O	4	☐H_2SO_4 ☐HNO_3 ☐H_3PO_4 ☐NaOH ☑ICE ☐					X					810680 ☐S ☐B ☐N ☐HEM Other:
Effluent 08042529	Start: 8-4-25 End:	Start: 1253 End:		☐C ☒G	☐DW ☒NPW ☐WW ☐Soil ☐Sludge ☐LW ☐Other	☑P ☐G ☐O	1	☐H_2SO_4 ☐HNO_3 ☑H_3PO_4 ☑NaOH ☑ICE ☐						X				810681 ☐S ☐B ☐N ☐HEM Other:
Effluent 08042530	Start: 8-4-25 End:	Start: 1254 End:		☐C ☒G	☐DW ☒NPW ☐WW ☐Soil ☐Sludge ☐LW ☐Other	☐P ☑G ☐O	1	☑H_2SO_4 ☐HNO_3 ☐H_3PO_4 ☐NaOH ☑ICE ☐							X			810682 ☐S ☐B ☐N ☐HEM Other:
Effluent 08042526	Start: 8-4-25 End:	Start: 1250 End:		☐C ☒G	☐DW ☒NPW ☐WW ☐Soil ☐Sludge ☐LW ☐Other	☐P ☐G ☐O	4	☐H_2SO_4 ☐HNO_3 ☐H_3PO_4 ☐NaOH ☑ICE ☐								X		810683 ☐S ☐B ☐N ☐HEM Other:

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

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

Relinquished By:	JHarris	Date: 8/5/25	Time: 0800	Received By:		Date:		Time:	
Relinquished By:		Date:	Time: 0845	Received By:		Date:	8-5-25	Time:	0845

Rev. Multiple Sample COC_20180628

1532 Universal City Blvd., Ste. 100, Universal City, Texas 78148
P (210) 340-0343 or (800) 880-4616 - F (210) 658-7903

Z:\COC\F\Fredericksburg_City_of\FredericksburgTCEQPermit

Login at www.pcslab.net

POLLUTION CONTROL SERVICES
1532 Universal City Blvd, Suite 100
Universal City, TX 78148-3318
Facsimilie 210.658.7903
210.340.0343

2508071

CHAIN OF CUSTODY & SUBCONTRACT TRACKING SHEET

TO: DHL Analytical
2300 Double Creek Dr
Round Rock, TX 78664

Relinquished by: Lauren Clay
Date/Time: 8/5/2025 @ 1500
Received by: [signature]
Date/Time: 8/6/25 0912

	PCS#	Date	Time	Analysis Requested	Pres	T. A. T.
01	810676	08/05/2025	0700	604.1 Hexachlorophene	Ice	Std
	810676	----------	----	Semi Volatiles 625	----	----
	810676	----------	----	Pesticide 1657	----	----
	810676	----------	----	Pesticides 608	----	----
	810676	----------	----	Pesticides 617	----	----
4	810676	----------	----	Pesticides 632	----	----
02	810680	08/04/2025	1252	Volatiles 624	Ice	Std
03	810681	08/04/2025	1253	Cyanide, Amenable	NaOH	Std

Comments/Special Instructions: 5.0 °C, Therm #78, via Fed Ex

Unless otherwise requested, send results and invoice to:

Chuck Wallgren
Pollution Control Services
1532 Universal City Blvd, Suite 100
Universal City, TX 78148-3318

Authorized by: [signature] Date: 8-5-25

T:\CoC\Subcontract\810676.docx

August 15, 2025

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

Order No.: 2508071

RE: PCS 810676, 810680-810681

Dear Chuck Wallgren:

DHL Analytical, Inc. received 3 samples on 08/06/2025 for the analyses presented in the following report.

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

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

Sincerely,

Karyn Lane

Karyn Lane
Laboratory Manager

This report was performed under the accreditation of the State of Texas Laboratory Certification Number: T104704211 - TX-C25-00106

Table of Contents

ORIGIN ID:NIRA (210) 340-0343
CHUCK WALLGREN

1532 UNIVERSAL CITY BLVD. #100

UNIVERSAL CITY, TX 78148
UNITED STATES US

SHIP DATE: 05AUG25
ACTWGT: 55.00 LB
CAD: 11244736/INET4535
DIMS: 26x15x15 IN

BILL SENDER

TO **DHL ANALYTICAL RECEIVING**
DHL ANALYTICAL
2300 DOUBLE CREEK

ROUND ROCK TX 78664
(512) 388-8222 REF:
INV:
PO: DEPT:

58GJ2/E4ED/59F2

FedEx Express

J253025062301uv

WED - 06 AUG 10:30A
PRIORITY OVERNIGHT

TRK# 8833 3122 0974
0201

44 BSMA

78664
TX-US AUS

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DHL Analytical, Inc.

Sample Receipt Checklist

Client Name: **Pollution Control Services**

Date Received: **8/6/2025**

Work Order Number: **2508071**

Received by: **EL**

Checklist completed by: _____ 8/7/2025
Signature | Date

Reviewed by: _____ 8/7/2025
Initials | Date

Carrier name: FedEx 1day

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☑	
All samples received within holding time?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐ NA ☐
Water - pH<2 acceptable upon receipt?	Yes ☐	No ☐	NA ☑ LOT #:
	Adjusted?		Checked by
Water - ph>9 (S) or ph>10 (CN) acceptable upon receipt?	Yes ☑	No ☐	NA ☐ LOT # 17028
	Adjusted? NO		Checked by EL
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	

Cooler # 1

Temp °C 5.0

Seal Intact NP

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

Client contacted: Date contacted: Person contacted:

Contacted by: Regarding:

Comments:

Corrective Action:

DHL Analytical, Inc. **Date:** *15-Aug-25*

CLIENT:	Pollution Control Services
Project:	PCS 810676, 810680-810681
Lab Order:	2508071

CASE NARRATIVE

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

ASTM, EPA and Standard Methods.

The compounds Diuron and Hexachlorophene by LCMS are not NELAP Certified.

Several compounds for Pesticides Analysis are not NELAP Certified.

The compounds Dicofol and Nonylphenol in Water Analysis are not NELAP Certified.

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives except where noted in the following. For Total and Amenable Cyanide Analysis, the recoveries of the Matrix Spike and Matrix Spike Duplicate (2508088-01 MS/MSD) were below the method control limits. These are flagged accordingly in the QC Summary Report. The associated LCS was within method control limits. No further corrective action was taken.

For Volatiles Analysis, there was no recovery of 2-Chloroethylvinylether for the Matrix Spike and Matrix Spike Duplicate (2508050-02 MS/MSD) due to method specified preservation. These are flagged accordingly in the QC Summary Report. This compound was within method control limits in the associated LCS. No further corrective action was taken.

For Pesticides Analysis, the recovery of N-Nitrosodimethylamine and the RPD of Endrin aldehyde for the Matrix Spike Duplicate (2508006-01 MSD) were outside of the method control limits. These are flagged accordingly in the QC Summary Report. These compounds were within method control limits in the associated LCS/MS. No further corrective action was taken.

DHL Analytical, Inc.

Date: *15-Aug-25*

CLIENT: Pollution Control Services
Project: PCS 810676, 810680-810681
Lab Order: 2508071

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
2508071-01	810676		08/05/25 07:00 AM	08/06/2025
2508071-02	810680		08/04/25 12:52 PM	08/06/2025
2508071-03	810681		08/04/25 12:53 PM	08/06/2025

DHL Analytical, Inc.

Date: *15-Aug-25*

CLIENT:	Pollution Control Services	**Client Sample ID:**	810676
Project:	PCS 810676, 810680-810681	**Lab ID:**	2508071-01
Project No:		**Collection Date:**	08/05/25 07:00 AM
Lab Order:	2508071	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
DIURON-HEXACHLOROPHENE BY LCMS		**E632**					Analyst: **RA**
Diuron	<0.0000298	0.0000298	0.0000794	N	mg/L	1	08/15/25 11:18 AM
Hexachlorophene	<0.000993	0.000993	0.00497	N	mg/L	1	08/15/25 11:18 AM
Surr: Carbazole	59.7	0	35-145		%REC	1	08/15/25 11:18 AM
625.1 PCB BY GC/MS		**E625.1**					Analyst: **DEW**
Aroclor 1016	<0.0000989	0.0000989	0.000198		mg/L	1	08/11/25 02:14 PM
Aroclor 1221	<0.0000989	0.0000989	0.000198		mg/L	1	08/11/25 02:14 PM
Aroclor 1232	<0.0000989	0.0000989	0.000198		mg/L	1	08/11/25 02:14 PM
Aroclor 1242	<0.0000989	0.0000989	0.000198		mg/L	1	08/11/25 02:14 PM
Aroclor 1248	<0.0000989	0.0000989	0.000198		mg/L	1	08/11/25 02:14 PM
Aroclor 1254	<0.0000989	0.0000989	0.000198		mg/L	1	08/11/25 02:14 PM
Aroclor 1260	<0.0000989	0.0000989	0.000198		mg/L	1	08/11/25 02:14 PM
Total PCBs	<0.0000989	0.0000989	0.000198		mg/L	1	08/11/25 02:14 PM
Surr: 2-Fluorobiphenyl	88.7	0	43-116		%REC	1	08/11/25 02:14 PM
Surr: 4-Terphenyl-d14	107	0	33-141		%REC	1	08/11/25 02:14 PM
625.1 SEMIVOLATILE WATER		**E625.1**					Analyst: **DEW**
Anthracene	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
Benzidine	<0.000978	0.000978	0.00391		mg/L	1	08/11/25 09:11 PM
Benzo[a]anthracene	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
Benzo[a]pyrene	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
Bis(2-chloroethyl)ether	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
Bis(2-ethylhexyl)phthalate	<0.00293	0.00293	0.00587		mg/L	1	08/11/25 09:11 PM
Chrysene	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
4,6-Dinitro-o-cresol	<0.00196	0.00196	0.00391		mg/L	1	08/11/25 09:11 PM
o-Cresol	<0.00196	0.00196	0.00391		mg/L	1	08/11/25 09:11 PM
p-Chloro-m-Cresol	<0.00196	0.00196	0.00391		mg/L	1	08/11/25 09:11 PM
m,p-Cresols	<0.00196	0.00196	0.00391		mg/L	1	08/11/25 09:11 PM
3,3´-Dichlorobenzidine	<0.000978	0.000978	0.00489		mg/L	1	08/11/25 09:11 PM
2,4-Dimethylphenol	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
Di-n-butyl phthalate	<0.00293	0.00293	0.00587		mg/L	1	08/11/25 09:11 PM
Hexachlorobenzene	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
Hexachlorobutadiene	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
Hexachlorocyclopentadiene	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
Hexachloroethane	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
Nitrobenzene	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
N-Nitrosodiethylamine	<0.00196	0.00196	0.00391		mg/L	1	08/11/25 09:11 PM
N-Nitrosodi-n-butylamine	<0.000978	0.000978	0.00391		mg/L	1	08/11/25 09:11 PM
Pentachlorobenzene	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM

Qualifiers:

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

DHL Analytical, Inc.

Date: *15-Aug-25*

CLIENT:	Pollution Control Services	**Client Sample ID:**	810676
Project:	PCS 810676, 810680-810681	**Lab ID:**	2508071-01
Project No:		**Collection Date:**	08/05/25 07:00 AM
Lab Order:	2508071	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
625.1 SEMIVOLATILE WATER		**E625.1**					Analyst: **DEW**
Pentachlorophenol	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
Phenanthrene	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
Pyridine	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
1,2,4,5-Tetrachlorobenzene	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
2,4,5-Trichlorophenol	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
2-Chlorophenol	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
2,4-Dichlorophenol	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
2,4-Dinitrophenol	<0.00196	0.00196	0.00391		mg/L	1	08/11/25 09:11 PM
2-Nitrophenol	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
4-Nitrophenol	<0.00196	0.00196	0.00391		mg/L	1	08/11/25 09:11 PM
Phenol	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
2,4,6-Trichlorophenol	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
Acenaphthene	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
Acenaphthylene	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
Benzo[b]fluoranthene	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
Benzo[g,h,i]perylene	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
Benzo[k]fluoranthene	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
Bis(2-chloroethoxy)methane	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
Bis(2-chloroisopropyl)ether	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
4-Bromophenyl phenyl ether	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
Butyl benzyl phthalate	<0.00293	0.00293	0.00587		mg/L	1	08/11/25 09:11 PM
2-Chloronaphthalene	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
4-Chlorophenyl phenyl ether	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
Dibenz[a,h]anthracene	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
Diethyl phthalate	<0.00293	0.00293	0.00587		mg/L	1	08/11/25 09:11 PM
Dimethyl phthalate	<0.00293	0.00293	0.00587		mg/L	1	08/11/25 09:11 PM
2,4-Dinitrotoluene	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
2,6-Dinitrotoluene	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
Di-n-octyl phthalate	<0.00293	0.00293	0.00587		mg/L	1	08/11/25 09:11 PM
1,2-Diphenylhydrazine	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
Fluoranthene	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
Fluorene	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
Indeno[1,2,3-cd]pyrene	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
Isophorone	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
Naphthalene	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
N-Nitrosodimethylamine	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
N-Nitrosodi-n-propylamine	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
N-Nitrosodiphenylamine	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM

Qualifiers:

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

DHL Analytical, Inc.

Date: *15-Aug-25*

CLIENT:	Pollution Control Services	**Client Sample ID:**	810676
Project:	PCS 810676, 810680-810681	**Lab ID:**	2508071-01
Project No:		**Collection Date:**	08/05/25 07:00 AM
Lab Order:	2508071	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
625.1 SEMIVOLATILE WATER		**E625.1**					Analyst: **DEW**
Pyrene	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
1,2,4-Trichlorobenzene	<0.000978	0.000978	0.00196		mg/L	1	08/11/25 09:11 PM
Surr: 2,4,6-Tribromophenol	115	0	10-123		%REC	1	08/11/25 09:11 PM
Surr: 2-Fluorobiphenyl	84.8	0	43-116		%REC	1	08/11/25 09:11 PM
Surr: 2-Fluorophenol	47.0	0	21-100		%REC	1	08/11/25 09:11 PM
Surr: 4-Terphenyl-d14	82.8	0	33-141		%REC	1	08/11/25 09:11 PM
Surr: Nitrobenzene-d5	88.0	0	35-115		%REC	1	08/11/25 09:11 PM
Surr: Phenol-d5	32.0	0	10-94		%REC	1	08/11/25 09:11 PM
625.1 PESTICIDE BY GC/MS		**E625.1**					Analyst: **DEW**
4,4'-DDD	<0.00000989	0.00000989	0.0000198		mg/L	1	08/11/25 09:03 PM
4,4'-DDE	<0.00000989	0.00000989	0.0000198		mg/L	1	08/11/25 09:03 PM
4,4'-DDT	<0.00000989	0.00000989	0.0000198		mg/L	1	08/11/25 09:03 PM
Aldrin	<0.00000989	0.00000989	0.00000989		mg/L	1	08/11/25 09:03 PM
alpha-BHC (Hexachlorocyclohexane)	<0.00000989	0.00000989	0.0000198		mg/L	1	08/11/25 09:03 PM
beta-BHC (Hexachlorocyclohexane)	<0.00000989	0.00000989	0.0000198		mg/L	1	08/11/25 09:03 PM
Carbaryl	<0.00000989	0.00000989	0.0000297	N	mg/L	1	08/11/25 09:03 PM
Chlordane	<0.0000593	0.0000593	0.000198	N	mg/L	1	08/11/25 09:03 PM
Chlorpyrifos	<0.00000989	0.00000989	0.0000297	N	mg/L	1	08/11/25 09:03 PM
delta-BHC (Hexachlorocyclohexane)	<0.00000989	0.00000989	0.0000198		mg/L	1	08/11/25 09:03 PM
Diazinon	<0.00000989	0.00000989	0.0000297	N	mg/L	1	08/11/25 09:03 PM
Dieldrin	<0.00000989	0.00000989	0.0000198		mg/L	1	08/11/25 09:03 PM
Endosulfan I	<0.00000989	0.00000989	0.00000989		mg/L	1	08/11/25 09:03 PM
Endosulfan II	<0.00000989	0.00000989	0.0000198		mg/L	1	08/11/25 09:03 PM
Endosulfan sulfate	<0.00000989	0.00000989	0.0000198		mg/L	1	08/11/25 09:03 PM
Endrin	<0.00000989	0.00000989	0.0000198		mg/L	1	08/11/25 09:03 PM
Endrin aldehyde	<0.00000989	0.00000989	0.0000198		mg/L	1	08/11/25 09:03 PM
gamma-BHC (Lindane)	<0.00000989	0.00000989	0.0000198		mg/L	1	08/11/25 09:03 PM
Guthion (Azinphosmethyl)	<0.00000989	0.00000989	0.0000297	N	mg/L	1	08/11/25 09:03 PM
Heptachlor	<0.00000989	0.00000989	0.00000989		mg/L	1	08/11/25 09:03 PM
Heptachlor epoxide	<0.00000989	0.00000989	0.00000989		mg/L	1	08/11/25 09:03 PM
Malathion	<0.00000989	0.00000989	0.0000297	N	mg/L	1	08/11/25 09:03 PM
Methoxychlor	<0.0000198	0.0000198	0.0000198	N	mg/L	1	08/11/25 09:03 PM
Mirex	<0.00000989	0.00000989	0.0000198	N	mg/L	1	08/11/25 09:03 PM
Parathion, ethyl	<0.00000989	0.00000989	0.0000297	N	mg/L	1	08/11/25 09:03 PM
Toxaphene	<0.000297	0.000297	0.000297		mg/L	1	08/11/25 09:03 PM
Demeton (O & S)	<0.00000989	0.00000989	0.0000297	N	mg/L	1	08/11/25 09:03 PM

Qualifiers:

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

DHL Analytical, Inc.

Date: *15-Aug-25*

CLIENT:	Pollution Control Services	**Client Sample ID:**	810676
Project:	PCS 810676, 810680-810681	**Lab ID:**	2508071-01
Project No:		**Collection Date:**	08/05/25 07:00 AM
Lab Order:	2508071	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
625.1 PESTICIDE BY GC/MS		**E625.1**					Analyst: **DEW**
Surr: 2-Fluorobiphenyl	70.3	0	43-116		%REC	1	08/11/25 09:03 PM
Surr: 4-Terphenyl-d14	95.8	0	33-141		%REC	1	08/11/25 09:03 PM
DICOFOL IN WATER BY ASTM METHOD		**D5812-96MOD**					Analyst: **DEW**
Dicofol	<0.000198	0.000198	0.000396	N	mg/L	1	08/11/25 09:03 PM
NONYLPHENOL IN WATER BY ASTM METHOD		**D7065-17**					Analyst: **DEW**
Nonylphenol	<0.0685	0.0685	0.0978	N	mg/L	1	08/11/25 09:11 PM

Qualifiers:

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

DHL Analytical, Inc.

Date: *15-Aug-25*

CLIENT:	Pollution Control Services	**Client Sample ID:**	810680
Project:	PCS 810676, 810680-810681	**Lab ID:**	2508071-02
Project No:		**Collection Date:**	08/04/25 12:52 PM
Lab Order:	2508071	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
624.1 VOLATILES WATER		**E624.1**					Analyst: **JVR**
Acrylonitrile	<0.00100	0.00100	0.00300		mg/L	1	08/07/25 06:04 PM
Benzene	<0.000300	0.000300	0.00100		mg/L	1	08/07/25 06:04 PM
Bromodichloromethane	0.0205	0.000300	0.00100		mg/L	1	08/07/25 06:04 PM
Bromoform	0.000487	0.000300	0.00100	J	mg/L	1	08/07/25 06:04 PM
Carbon tetrachloride	<0.000300	0.000300	0.00100		mg/L	1	08/07/25 06:04 PM
Chlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	08/07/25 06:04 PM
Chlorodibromomethane	0.00679	0.000300	0.00100		mg/L	1	08/07/25 06:04 PM
Chloroform	0.0429	0.000300	0.00100		mg/L	1	08/07/25 06:04 PM
1,2-Dibromoethane	<0.000300	0.000300	0.00100		mg/L	1	08/07/25 06:04 PM
1,3-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	08/07/25 06:04 PM
1,2-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	08/07/25 06:04 PM
1,4-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	08/07/25 06:04 PM
1,2-Dichloroethane	<0.000300	0.000300	0.00100		mg/L	1	08/07/25 06:04 PM
1,1-Dichloroethene	<0.000300	0.000300	0.00100		mg/L	1	08/07/25 06:04 PM
Methylene chloride (DCM)	<0.00250	0.00250	0.00500		mg/L	1	08/07/25 06:04 PM
1,2-Dichloropropane	<0.000300	0.000300	0.00100		mg/L	1	08/07/25 06:04 PM
1,3-Dichloropropene (cis)	<0.000300	0.000300	0.00100		mg/L	1	08/07/25 06:04 PM
1,3-Dichloropropene (trans)	<0.000300	0.000300	0.00100		mg/L	1	08/07/25 06:04 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/07/25 06:04 PM
Methyl ethyl ketone	<0.00500	0.00500	0.0150		mg/L	1	08/07/25 06:04 PM
1,1,2,2-Tetrachloroethane	<0.000300	0.000300	0.00100		mg/L	1	08/07/25 06:04 PM
Tetrachloroethene	<0.000600	0.000600	0.00200		mg/L	1	08/07/25 06:04 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	08/07/25 06:04 PM
1,1,1-Trichloroethane	<0.000300	0.000300	0.00100		mg/L	1	08/07/25 06:04 PM
1,1,2-Trichloroethane	<0.000300	0.000300	0.00100		mg/L	1	08/07/25 06:04 PM
Trichloroethene	<0.000600	0.000600	0.00100		mg/L	1	08/07/25 06:04 PM
TTHM (Total Trihalomethanes)	0.0706	0.000300	0.00100		mg/L	1	08/07/25 06:04 PM
Vinyl chloride	<0.000300	0.000300	0.00100		mg/L	1	08/07/25 06:04 PM
Acrolein	<0.00500	0.00500	0.0150		mg/L	1	08/07/25 06:04 PM
Chloroethane	<0.00100	0.00100	0.00500		mg/L	1	08/07/25 06:04 PM
2-Chloroethylvinylether	<0.00600	0.00600	0.0100		mg/L	1	08/07/25 06:04 PM
1,1-Dichloroethane	<0.000300	0.000300	0.00100		mg/L	1	08/07/25 06:04 PM
Methyl bromide	<0.00100	0.00100	0.00500		mg/L	1	08/07/25 06:04 PM
Methyl chloride	<0.00100	0.00100	0.00500		mg/L	1	08/07/25 06:04 PM
trans-1,2-Dichloroethylene	<0.000300	0.000300	0.00200		mg/L	1	08/07/25 06:04 PM
Surr: 1,2-Dichloroethane-d4	107	0	72-119		%REC	1	08/07/25 06:04 PM
Surr: 4-Bromofluorobenzene	99.6	0	76-119		%REC	1	08/07/25 06:04 PM
Surr: Dibromofluoromethane	106	0	85-115		%REC	1	08/07/25 06:04 PM

Qualifiers:

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

DHL Analytical, Inc.

Date: *15-Aug-25*

CLIENT:	Pollution Control Services	**Client Sample ID:**	810680
Project:	PCS 810676, 810680-810681	**Lab ID:**	2508071-02
Project No:		**Collection Date:**	08/04/25 12:52 PM
Lab Order:	2508071	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
624.1 VOLATILES WATER		**E624.1**					Analyst: **JVR**
Surr: Toluene-d8	96.1	0	81-120		%REC	1	08/07/25 06:04 PM

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

DHL Analytical, Inc.

Date: *15-Aug-25*

CLIENT:	Pollution Control Services	**Client Sample ID:**	810681
Project:	PCS 810676, 810680-810681	**Lab ID:**	2508071-03
Project No:		**Collection Date:**	08/04/25 12:53 PM
Lab Order:	2508071	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
CYANIDE - WATER SAMPLE		**M4500-CN E**					Analyst: **CAE**
Cyanide, Amenable to Chlorination	<0.0100	0.0100	0.0200		mg/L	1	08/12/25 10:33 AM
Cyanide, Total	<0.0100	0.0100	0.0200		mg/L	1	08/12/25 10:33 AM

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

DHL Analytical, Inc.

Date: *15-Aug-25*

CLIENT: Pollution Control Services
Work Order: 2508071
Project: PCS 810676, 810680-810681

ANALYTICAL QC SUMMARY REPORT

RunID: LCMS2_250815A

The QC data in batch 121933 applies to the following samples: 2508071-01A

Sample ID: **MB-121933** Batch ID: **121933** TestNo: **E632** Units: **mg/L**
SampType: **MBLK** Run ID: **LCMS2_250815A** Analysis Date: **8/15/2025 10:44:32 AM** Prep Date: **8/12/2025**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diuron	<0.0000300	0.0000800								N
Hexachlorophene	<0.00100	0.00500								N
Surr: Carbazole	5.56		10.00		55.6	35	145			

Sample ID: **LCS-121933** Batch ID: **121933** TestNo: **E632** Units: **mg/L**
SampType: **LCS** Run ID: **LCMS2_250815A** Analysis Date: **8/15/2025 10:55:48 AM** Prep Date: **8/12/2025**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diuron	0.00162	0.0000800	0.00200	0	80.8	35	145			N
Hexachlorophene	0.00130	0.00500	0.00200	0	64.8	35	145			N
Surr: Carbazole	5.75		10.00		57.5	35	145			

Sample ID: **LCSD-121933** Batch ID: **121933** TestNo: **E632** Units: **mg/L**
SampType: **LCSD** Run ID: **LCMS2_250815A** Analysis Date: **8/15/2025 11:07:07 AM** Prep Date: **8/12/2025**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diuron	0.00167	0.0000800	0.00200	0	83.3	35	145	3.11	30	N
Hexachlorophene	0.00127	0.00500	0.00200	0	63.6	35	145	1.81	30	N
Surr: Carbazole	5.83		10.00		58.3	35	145	0	0	

Qualifiers:

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

CLIENT: Pollution Control Services
Work Order: 2508071
Project: PCS 810676, 810680-810681

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS10_250811C

The QC data in batch 121881 applies to the following samples: 2508071-01C

Sample ID: **LCS-121881** Batch ID: **121881** TestNo: **E625.1** Units: **mg/L**
SampType: **LCS** Run ID: **GCMS10_250811C** Analysis Date: **8/11/2025 11:42:00 AM** Prep Date: **8/8/2025**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4,4'-DDD	0.000287	0.0000200	0.000400	0	71.8	0.1	135			
4,4'-DDE	0.000283	0.0000200	0.000400	0	70.6	19	120			
4,4'-DDT	0.000311	0.0000200	0.000400	0	77.8	0.1	171			
Aldrin	0.000253	0.0000100	0.000400	0	63.2	7	152			
alpha-BHC (Hexachlorocyclohexane)	0.000330	0.0000200	0.000400	0	82.4	42	108			
beta-BHC (Hexachlorocyclohexane)	0.000337	0.0000200	0.000400	0	84.2	42	131			
Carbaryl	0.000338	0.0000300	0.000400	0	84.6	38	168			N
Chlorpyrifos	0.000371	0.0000300	0.000400	0	92.8	42	131			N
delta-BHC (Hexachlorocyclohexane)	0.000310	0.0000200	0.000400	0	77.6	0.1	120			
Diazinon	0.000360	0.0000300	0.000400	0	89.9	52	120			N
Dieldrin	0.000321	0.0000200	0.000400	0	80.4	44	119			
Endosulfan I	0.000314	0.0000100	0.000400	0	78.6	47	128			
Endosulfan II	0.000313	0.0000200	0.000400	0	78.1	52	125			
Endosulfan sulfate	0.000312	0.0000200	0.000400	0	78.0	0.1	120			
Endrin	0.000338	0.0000200	0.000400	0	84.5	50	151			
Endrin aldehyde	0.000323	0.0000200	0.000400	0	80.7	0.1	189			
gamma-BHC (Lindane)	0.000313	0.0000200	0.000400	0	78.4	41	111			
Guthion (Azinphosmethyl)	0.000367	0.0000300	0.000400	0	91.8	44	193			N
Heptachlor	0.000269	0.0000100	0.000400	0	67.2	0.1	172			
Heptachlor epoxide	0.000294	0.0000100	0.000400	0	73.4	71	120			
Malathion	0.000419	0.0000300	0.000400	0	105	56	161			N
Methoxychlor	0.000298	0.0000200	0.000400	0	74.6	38	156			N
Mirex	0.000249	0.0000200	0.000400	0	62.3	27	131			N
Parathion, ethyl	0.000443	0.0000300	0.000400	0	111	13	184			N
Demeton (O & S)	0.000354	0.0000300	0.000400	0	88.4	28	154			N
Surr: 2-Fluorobiphenyl	2.91		4.000		72.8	43	116			
Surr: 4-Terphenyl-d14	3.23		4.000		80.8	33	141			

Sample ID: **MB-121881** Batch ID: **121881** TestNo: **E625.1** Units: **mg/L**
SampType: **MBLK** Run ID: **GCMS10_250811C** Analysis Date: **8/11/2025 2:50:00 PM** Prep Date: **8/8/2025**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4,4'-DDD	<0.0000100	0.0000200								
4,4'-DDE	<0.0000100	0.0000200								
4,4'-DDT	<0.0000100	0.0000200								
Aldrin	<0.0000100	0.0000100								
alpha-BHC (Hexachlorocyclohexane)	<0.0000100	0.0000200								
beta-BHC (Hexachlorocyclohexane)	<0.0000100	0.0000200								
Carbaryl	<0.0000100	0.0000300								N
Chlordane	<0.0000600	0.000200								N

Qualifiers:

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

CLIENT: Pollution Control Services
Work Order: 2508071
Project: PCS 810676, 810680-810681

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS10_250811C

Sample ID: **MB-121881**	Batch ID: **121881**	TestNo: **E625.1**	Units: **mg/L**
SampType: **MBLK**	Run ID: **GCMS10_250811C**	Analysis Date: **8/11/2025 2:50:00 PM**	Prep Date: **8/8/2025**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chlorpyrifos	<0.0000100	0.0000300								N
delta-BHC (Hexachlorocyclohexane)	<0.0000100	0.0000200								
Diazinon	<0.0000100	0.0000300								N
Dieldrin	<0.0000100	0.0000200								
Endosulfan I	<0.0000100	0.0000100								
Endosulfan II	<0.0000100	0.0000200								
Endosulfan sulfate	<0.0000100	0.0000200								
Endrin	<0.0000100	0.0000200								
Endrin aldehyde	<0.0000100	0.0000200								
gamma-BHC (Lindane)	<0.0000100	0.0000200								
Guthion (Azinphosmethyl)	<0.0000100	0.0000300								N
Heptachlor	<0.0000100	0.0000100								
Heptachlor epoxide	<0.0000100	0.0000100								
Malathion	<0.0000100	0.0000300								N
Methoxychlor	<0.0000200	0.0000200								N
Mirex	<0.0000100	0.0000200								N
Parathion, ethyl	<0.0000100	0.0000300								N
Toxaphene	<0.000300	0.000300								
Demeton (O & S)	<0.0000100	0.0000300								N
Surr: 2-Fluorobiphenyl	3.12		4.000		78.0	43	116			
Surr: 4-Terphenyl-d14	3.55		4.000		88.9	33	141			

Sample ID: **2508006-01AMS**	Batch ID: **121881**	TestNo: **E625.1**	Units: **mg/L**
SampType: **MS**	Run ID: **GCMS10_250811C**	Analysis Date: **8/11/2025 10:19:00 PM**	Prep Date: **8/8/2025**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4,4'-DDD	0.00324	0.000178	0.00355	0	91.1	0.1	145			
4,4'-DDE	0.00257	0.000178	0.00355	0	72.4	4	136			
4,4'-DDT	0.00238	0.000178	0.00355	0	67.0	0.1	203			
Aldrin	0.00279	0.0000888	0.00355	0	78.6	0.1	166			
alpha-BHC (Hexachlorocyclohexane)	0.00313	0.000178	0.00355	0	88.1	31	121			
beta-BHC (Hexachlorocyclohexane)	0.00346	0.000178	0.00355	0	97.5	24	149			
Carbaryl	0.00422	0.000266	0.00355	0	119	41	195			N
Chlorpyrifos	0.00374	0.000266	0.00355	0	105	32	149			N
delta-BHC (Hexachlorocyclohexane)	0.00317	0.000178	0.00355	0	89.1	0.1	120			
Diazinon	0.00409	0.000266	0.00355	0	115	40	141			N
Dieldrin	0.00356	0.000178	0.00355	0	100	29	136			
Endosulfan I	0.00326	0.0000888	0.00355	0	91.9	24	159			
Endosulfan II	0.00367	0.000178	0.00355	0	103	30	163			
Endosulfan sulfate	0.00333	0.000178	0.00355	0	93.8	0.1	120			
Endrin	0.00374	0.000178	0.00355	0	105	23	187			

Qualifiers:

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

CLIENT: Pollution Control Services
Work Order: 2508071
Project: PCS 810676, 810680-810681

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS10_250811C

Sample ID: **2508006-01AMS**	Batch ID: **121881**	TestNo: **E625.1**	Units: **mg/L**
SampType: **MS**	Run ID: **GCMS10_250811C**	Analysis Date: **8/11/2025 10:19:00 PM**	Prep Date: **8/8/2025**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Endrin aldehyde	0.000177	0.000178	0.00355	0	4.97	0.1	209			
gamma-BHC (Lindane)	0.00286	0.000178	0.00355	0	80.5	16	128			
Guthion (Azinphosmethyl)	0.00439	0.000266	0.00355	0	124	4	226			N
Heptachlor	0.00293	0.0000888	0.00355	0	82.6	0.1	192			
Heptachlor epoxide	0.00294	0.0000888	0.00355	0	82.9	26	155			
Malathion	0.00487	0.000266	0.00355	0	137	47	190			N
Methoxychlor	0.00232	0.000178	0.00355	0	65.4	14	174			N
Mirex	0.00252	0.000178	0.00355	0	71.0	6	154			N
Parathion, ethyl	0.00612	0.000266	0.00355	0	172	24	192			N
Demeton (O & S)	0.00482	0.000266	0.00355	0	136	27	189			N
Surr: 2-Fluorobiphenyl	27.5		35.52		77.3	43	116			
Surr: 4-Terphenyl-d14	32.1		35.52		90.3	33	141			

Sample ID: **2508006-01AMSD**	Batch ID: **121881**	TestNo: **E625.1**	Units: **mg/L**
SampType: **MSD**	Run ID: **GCMS10_250811C**	Analysis Date: **8/11/2025 10:56:00 PM**	Prep Date: **8/8/2025**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4,4´-DDD	0.00344	0.000189	0.00378	0	91.0	0.1	145	6.12	50	
4,4´-DDE	0.00285	0.000189	0.00378	0	75.5	4	136	10.4	50	
4,4´-DDT	0.00251	0.000189	0.00378	0	66.4	0.1	203	5.21	50	
Aldrin	0.00288	0.0000945	0.00378	0	76.2	0.1	166	3.10	50	
alpha-BHC (Hexachlorocyclohexane)	0.00314	0.000189	0.00378	0	83.0	31	121	0.265	50	
beta-BHC (Hexachlorocyclohexane)	0.00347	0.000189	0.00378	0	91.7	24	149	0.149	50	
Carbaryl	0.00422	0.000284	0.00378	0	112	41	195	0.060	50	N
Chlorpyrifos	0.00394	0.000284	0.00378	0	104	32	149	5.32	50	N
delta-BHC (Hexachlorocyclohexane)	0.00324	0.000189	0.00378	0	85.6	0.1	120	2.18	50	
Diazinon	0.00405	0.000284	0.00378	0	107	40	141	0.961	50	N
Dieldrin	0.00341	0.000189	0.00378	0	90.3	29	136	4.33	50	
Endosulfan I	0.00342	0.0000945	0.00378	0	90.6	24	159	4.78	50	
Endosulfan II	0.00348	0.000189	0.00378	0	92.0	30	163	5.42	50	
Endosulfan sulfate	0.00340	0.000189	0.00378	0	90.0	0.1	120	2.03	50	
Endrin	0.00391	0.000189	0.00378	0	103	23	187	4.39	50	
Endrin aldehyde	0.000575	0.000189	0.00378	0	15.2	0.1	209	106	50	R
gamma-BHC (Lindane)	0.00295	0.000189	0.00378	0	78.0	16	128	3.16	50	
Guthion (Azinphosmethyl)	0.00440	0.000284	0.00378	0	116	4	226	0.095	50	N
Heptachlor	0.00303	0.0000945	0.00378	0	80.1	0.1	192	3.18	50	
Heptachlor epoxide	0.00298	0.0000945	0.00378	0	78.8	26	155	1.17	50	
Malathion	0.00494	0.000284	0.00378	0	131	47	190	1.49	50	N
Methoxychlor	0.00224	0.000189	0.00378	0	59.3	14	174	3.50	50	N
Mirex	0.00266	0.000189	0.00378	0	70.3	6	154	5.22	50	N
Parathion, ethyl	0.00616	0.000284	0.00378	0	163	24	192	0.763	50	N

Qualifiers:

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

CLIENT: Pollution Control Services
Work Order: 2508071
Project: PCS 810676, 810680-810681

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS10_250811C

Sample ID: **2508006-01AMSD**	Batch ID: **121881**	TestNo: **E625.1**	Units: **mg/L**
SampType: **MSD**	Run ID: **GCMS10_250811C**	Analysis Date: **8/11/2025 10:56:00 PM**	Prep Date: **8/8/2025**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Demeton (O & S)	0.00491	0.000284	0.00378	0	130	27	189	1.77	50	N
Surr: 2-Fluorobiphenyl	28.1		37.81		74.4	43	116	0	0	
Surr: 4-Terphenyl-d14	33.3		37.81		88.1	33	141	0	0	

Qualifiers:

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

CLIENT: Pollution Control Services
Work Order: 2508071
Project: PCS 810676, 810680-810681

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS10_250811D

The QC data in batch 121881 applies to the following samples: 2508071-01C

Sample ID: **LCS-121881-DICO**	Batch ID: **121881**	TestNo: **D5812-96mod**	Units: **mg/L**
SampType: **LCS**	Run ID: **GCMS10_250811D**	Analysis Date: **8/11/2025 1:36:00 PM**	Prep Date: **8/8/2025**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Dicofol	0.000983	0.000400	0.00100	0	98.3	22	180			N

Sample ID: **MB-121881**	Batch ID: **121881**	TestNo: **D5812-96mod**	Units: **mg/L**
SampType: **MBLK**	Run ID: **GCMS10_250811D**	Analysis Date: **8/11/2025 2:50:00 PM**	Prep Date: **8/8/2025**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Dicofol	<0.000200	0.000400								N

Qualifiers:

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

CLIENT: Pollution Control Services
Work Order: 2508071
Project: PCS 810676, 810680-810681

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS8_250811A

The QC data in batch 121881 applies to the following samples: 2508071-01C

Sample ID: **LCS-121881-PCB** Batch ID: **121881** TestNo: **E625.1** Units: **mg/L**
SampType: **LCS** Run ID: **GCMS8_250811A** Analysis Date: **8/11/2025 1:14:00 PM** Prep Date: **8/8/2025**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	0.00408	0.000200	0.00400	0	102	37	130			
Aroclor 1260	0.00451	0.000200	0.00400	0	113	19	130			
Total PCBs	0.00859	0.000200	0.00800	0	107	19	130			
Surr: 2-Fluorobiphenyl	3.59		4.000		89.7	43	116			
Surr: 4-Terphenyl-d14	4.12		4.000		103	33	141			

Sample ID: **MB-121881** Batch ID: **121881** TestNo: **E625.1** Units: **mg/L**
SampType: **MBLK** Run ID: **GCMS8_250811A** Analysis Date: **8/11/2025 1:44:00 PM** Prep Date: **8/8/2025**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	<0.000100	0.000200								
Aroclor 1221	<0.000100	0.000200								
Aroclor 1232	<0.000100	0.000200								
Aroclor 1242	<0.000100	0.000200								
Aroclor 1248	<0.000100	0.000200								
Aroclor 1254	<0.000100	0.000200								
Aroclor 1260	<0.000100	0.000200								
Total PCBs	<0.000100	0.000200								
Surr: 2-Fluorobiphenyl	3.87		4.000		96.7	43	116			
Surr: 4-Terphenyl-d14	4.25		4.000		106	33	141			

Qualifiers:

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

CLIENT: Pollution Control Services
Work Order: 2508071
Project: PCS 810676, 810680-810681

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_250811C

The QC data in batch 121909 applies to the following samples: 2508071-01B

Sample ID: **LCS-121909** Batch ID: **121909** TestNo: **E625.1** Units: **mg/L**
SampType: **LCS** Run ID: **GCMS9_250811C** Analysis Date: **8/11/2025 5:07:00 PM** Prep Date: **8/11/2025**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzidine	0.0226	0.00400	0.0400	0	56.6	5	125			
Benzo[a]anthracene	0.0339	0.00200	0.0400	0	84.7	33	143			
Benzo[a]pyrene	0.0369	0.00200	0.0400	0	92.2	17	163			
Chrysene	0.0347	0.00200	0.0400	0	86.7	17	168			
2,4-Dimethylphenol	0.0331	0.00200	0.0400	0	82.6	32	120			
4,6-Dinitro-o-cresol	0.0335	0.00400	0.0400	0	83.7	10	181			
m,p-Cresols	0.0305	0.00400	0.0400	0	76.2	10	125			
o-Cresol	0.0296	0.00400	0.0400	0	74.0	25	125			
p-Chloro-m-Cresol	0.0332	0.00400	0.0400	0	82.9	22	147			
Hexachlorobenzene	0.0348	0.00200	0.0400	0	87.0	10	152			
Hexachlorobutadiene	0.0286	0.00200	0.0400	0	71.6	24	120			
Hexachloroethane	0.0301	0.00200	0.0400	0	75.4	40	120			
Nitrobenzene	0.0341	0.00200	0.0400	0	85.2	35	180			
N-Nitrosodiethylamine	0.0338	0.00400	0.0400	0	84.4	20	125			
N-Nitrosodi-n-butylamine	0.0389	0.00400	0.0400	0	97.3	20	125			
Pentachlorobenzene	0.0364	0.00200	0.0400	0	91.1	40	140			
Pentachlorophenol	0.0362	0.00200	0.0400	0	90.4	14	176			
Phenanthrene	0.0345	0.00200	0.0400	0	86.2	54	120			
Pyridine	0.0137	0.00200	0.0400	0	34.2	10	75			
1,2,4,5-Tetrachlorobenzene	0.0332	0.00200	0.0400	0	83.1	30	140			
2,4,5-Trichlorophenol	0.0378	0.00200	0.0400	0	94.6	25	125			
2-Chlorophenol	0.0305	0.00200	0.0400	0	76.2	23	134			
2,4-Dichlorophenol	0.0352	0.00200	0.0400	0	87.9	39	135			
2,4-Dinitrophenol	0.0194	0.00400	0.0400	0	48.5	10	191			
2-Nitrophenol	0.0361	0.00200	0.0400	0	90.2	29	182			
4-Nitrophenol	0.0274	0.00400	0.0400	0	68.4	10	132			
Phenol	0.0173	0.00200	0.0400	0	43.2	5	120			
2,4,6-Trichlorophenol	0.0395	0.00200	0.0400	0	98.8	37	144			
Acenaphthene	0.0337	0.00200	0.0400	0	84.2	47	145			
Acenaphthylene	0.0372	0.00200	0.0400	0	92.9	33	145			
Anthracene	0.0353	0.00200	0.0400	0	88.2	27	133			
Benzo[b]fluoranthene	0.0366	0.00200	0.0400	0	91.4	24	159			
Benzo[g,h,i]perylene	0.0347	0.00200	0.0400	0	86.6	10	219			
Benzo[k]fluoranthene	0.0338	0.00200	0.0400	0	84.6	11	162			
Bis(2-chloroethoxy)methane	0.0341	0.00200	0.0400	0	85.3	33	184			
Bis(2-chloroethyl)ether	0.0322	0.00200	0.0400	0	80.6	12	158			
Bis(2-chloroisopropyl)ether	0.0321	0.00200	0.0400	0	80.2	36	166			
Bis(2-ethylhexyl)phthalate	0.0357	0.00600	0.0400	0	89.2	10	158			
4-Bromophenyl phenyl ether	0.0347	0.00200	0.0400	0	86.7	53	127			
Butyl benzyl phthalate	0.0373	0.00600	0.0400	0	93.2	10	152			

Qualifiers:

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

CLIENT: Pollution Control Services
Work Order: 2508071
Project: PCS 810676, 810680-810681

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_250811C

Sample ID: **LCS-121909**	Batch ID: **121909**	TestNo: **E625.1**	Units: **mg/L**
SampType: **LCS**	Run ID: **GCMS9_250811C**	Analysis Date: **8/11/2025 5:07:00 PM**	Prep Date: **8/11/2025**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
2-Chloronaphthalene	0.0332	0.00200	0.0400	0	83.0	60	120			
4-Chlorophenyl phenyl ether	0.0313	0.00200	0.0400	0	78.2	25	158			
Dibenz[a,h]anthracene	0.0350	0.00200	0.0400	0	87.6	10	125			
3,3'-Dichlorobenzidine	0.0329	0.00500	0.0400	0	82.4	10	262			
Diethyl phthalate	0.0328	0.00600	0.0400	0	82.0	10	120			
Dimethyl phthalate	0.0333	0.00600	0.0400	0	83.2	10	120			
Di-n-butyl phthalate	0.0415	0.00600	0.0400	0	104	10	120			
2,4-Dinitrotoluene	0.0340	0.00200	0.0400	0	85.1	39	139			
2,6-Dinitrotoluene	0.0342	0.00200	0.0400	0	85.5	50	158			
Di-n-octyl phthalate	0.0351	0.00600	0.0400	0	87.8	10	146			
1,2-Diphenylhydrazine	0.0370	0.00200	0.0400	0	92.5	40	140			
Fluoranthene	0.0368	0.00200	0.0400	0	92.0	26	137			
Fluorene	0.0334	0.00200	0.0400	0	83.6	59	121			
Hexachlorocyclopentadiene	0.0348	0.00200	0.0400	0	87.1	8	130			
Indeno[1,2,3-cd]pyrene	0.0336	0.00200	0.0400	0	84.0	10	171			
Isophorone	0.0364	0.00200	0.0400	0	91.0	21	196			
Naphthalene	0.0322	0.00200	0.0400	0	80.6	21	133			
N-Nitrosodimethylamine	0.0148	0.00200	0.0400	0	37.1	10	125			
N-Nitrosodi-n-propylamine	0.0383	0.00200	0.0400	0	95.8	10	230			
N-Nitrosodiphenylamine	0.0353	0.00200	0.0400	0	88.3	20	125			
Pyrene	0.0330	0.00200	0.0400	0	82.5	52	120			
1,2,4-Trichlorobenzene	0.0298	0.00200	0.0400	0	74.4	44	142			
Surr: 2,4,6-Tribromophenol	85.2		80.00		106	10	123			
Surr: 2-Fluorobiphenyl	65.4		80.00		81.8	43	116			
Surr: 2-Fluorophenol	44.8		80.00		56.0	21	100			
Surr: 4-Terphenyl-d14	59.6		80.00		74.5	33	141			
Surr: Nitrobenzene-d5	70.4		80.00		88.0	35	115			
Surr: Phenol-d5	33.4		80.00		41.8	10	94			

Sample ID: **MB-121909**	Batch ID: **121909**	TestNo: **E625.1**	Units: **mg/L**
SampType: **MBLK**	Run ID: **GCMS9_250811C**	Analysis Date: **8/11/2025 6:13:00 PM**	Prep Date: **8/11/2025**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzidine	<0.00100	0.00400								
Benzo[a]anthracene	<0.00100	0.00200								
Benzo[a]pyrene	<0.00100	0.00200								
Chrysene	<0.00100	0.00200								
2,4-Dimethylphenol	<0.00100	0.00200								
4,6-Dinitro-o-cresol	<0.00200	0.00400								
m,p-Cresols	<0.00200	0.00400								
o-Cresol	<0.00200	0.00400								

Qualifiers:

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

CLIENT: Pollution Control Services
Work Order: 2508071
Project: PCS 810676, 810680-810681

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_250811C

Sample ID: **MB-121909**	Batch ID: **121909**	TestNo: **E625.1**	Units: **mg/L**
SampType: **MBLK**	Run ID: **GCMS9_250811C**	Analysis Date: **8/11/2025 6:13:00 PM**	Prep Date: **8/11/2025**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
p-Chloro-m-Cresol	<0.00200	0.00400								
Hexachlorobenzene	<0.00100	0.00200								
Hexachlorobutadiene	<0.00100	0.00200								
Hexachloroethane	<0.00100	0.00200								
Nitrobenzene	<0.00100	0.00200								
N-Nitrosodiethylamine	<0.00200	0.00400								
N-Nitrosodi-n-butylamine	<0.00100	0.00400								
Pentachlorobenzene	<0.00100	0.00200								
Pentachlorophenol	<0.00100	0.00200								
Phenanthrene	<0.00100	0.00200								
Pyridine	<0.00100	0.00200								
1,2,4,5-Tetrachlorobenzene	<0.00100	0.00200								
2,4,5-Trichlorophenol	<0.00100	0.00200								
2-Chlorophenol	<0.00100	0.00200								
2,4-Dichlorophenol	<0.00100	0.00200								
2,4-Dinitrophenol	<0.00200	0.00400								
2-Nitrophenol	<0.00100	0.00200								
4-Nitrophenol	<0.00200	0.00400								
Phenol	<0.00100	0.00200								
2,4,6-Trichlorophenol	<0.00100	0.00200								
Acenaphthene	<0.00100	0.00200								
Acenaphthylene	<0.00100	0.00200								
Anthracene	<0.00100	0.00200								
Benzo[b]fluoranthene	<0.00100	0.00200								
Benzo[g,h,i]perylene	<0.00100	0.00200								
Benzo[k]fluoranthene	<0.00100	0.00200								
Bis(2-chloroethoxy)methane	<0.00100	0.00200								
Bis(2-chloroethyl)ether	<0.00100	0.00200								
Bis(2-chloroisopropyl)ether	<0.00100	0.00200								
Bis(2-ethylhexyl)phthalate	<0.00300	0.00600								
4-Bromophenyl phenyl ether	<0.00100	0.00200								
Butyl benzyl phthalate	<0.00300	0.00600								
2-Chloronaphthalene	<0.00100	0.00200								
4-Chlorophenyl phenyl ether	<0.00100	0.00200								
Dibenz[a,h]anthracene	<0.00100	0.00200								
3,3'-Dichlorobenzidine	<0.00100	0.00500								
Diethyl phthalate	<0.00300	0.00600								
Dimethyl phthalate	<0.00300	0.00600								
Di-n-butyl phthalate	<0.00300	0.00600								
2,4-Dinitrotoluene	<0.00100	0.00200								
2,6-Dinitrotoluene	<0.00100	0.00200								

Qualifiers:

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

CLIENT: Pollution Control Services
Work Order: 2508071
Project: PCS 810676, 810680-810681

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_250811C

Sample ID: **MB-121909**	Batch ID: **121909**	TestNo: **E625.1**	Units: **mg/L**
SampType: **MBLK**	Run ID: **GCMS9_250811C**	Analysis Date: **8/11/2025 6:13:00 PM**	Prep Date: **8/11/2025**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Di-n-octyl phthalate	<0.00300	0.00600								
1,2-Diphenylhydrazine	<0.00100	0.00200								
Fluoranthene	<0.00100	0.00200								
Fluorene	<0.00100	0.00200								
Hexachlorocyclopentadiene	<0.00100	0.00200								
Indeno[1,2,3-cd]pyrene	<0.00100	0.00200								
Isophorone	<0.00100	0.00200								
Naphthalene	<0.00100	0.00200								
N-Nitrosodimethylamine	<0.00100	0.00200								
N-Nitrosodi-n-propylamine	<0.00100	0.00200								
N-Nitrosodiphenylamine	<0.00100	0.00200								
Pyrene	<0.00100	0.00200								
1,2,4-Trichlorobenzene	<0.00100	0.00200								
Surr: 2,4,6-Tribromophenol	84.4		80.00		106	10	123			
Surr: 2-Fluorobiphenyl	69.4		80.00		86.8	43	116			
Surr: 2-Fluorophenol	40.8		80.00		51.0	21	100			
Surr: 4-Terphenyl-d14	65.8		80.00		82.2	33	141			
Surr: Nitrobenzene-d5	73.0		80.00		91.2	35	115			
Surr: Phenol-d5	26.6		80.00		33.2	10	94			

Sample ID: **2508006-01AMS**	Batch ID: **121909**	TestNo: **E625.1**	Units: **mg/L**
SampType: **MS**	Run ID: **GCMS9_250811C**	Analysis Date: **8/11/2025 9:55:00 PM**	Prep Date: **8/11/2025**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzidine	0.0266	0.0380	0.380	0	7.00	5	125			
Benzo[a]anthracene	0.351	0.0190	0.380	0	92.4	33	143			
Benzo[a]pyrene	0.398	0.0190	0.380	0	105	17	163			
Chrysene	0.363	0.0190	0.380	0	95.8	17	168			
2,4-Dimethylphenol	0.362	0.0190	0.380	0	95.4	32	120			
4,6-Dinitro-o-cresol	0.395	0.0380	0.380	0	104	10	181			
m,p-Cresols	0.415	0.0380	0.380	0.0214	104	10	125			
o-Cresol	0.356	0.0380	0.380	0	93.7	25	125			
p-Chloro-m-Cresol	0.348	0.0380	0.380	0	91.8	22	147			
Hexachlorobenzene	0.370	0.0190	0.380	0	97.6	10	152			
Hexachlorobutadiene	0.302	0.0190	0.380	0	79.6	24	120			
Hexachloroethane	0.297	0.0190	0.380	0	78.4	40	120			
Nitrobenzene	0.353	0.0190	0.380	0	93.1	35	180			
N-Nitrosodiethylamine	0.367	0.0380	0.380	0	96.8	20	125			
N-Nitrosodi-n-butylamine	0.409	0.0380	0.380	0	108	20	125			
Pentachlorobenzene	0.391	0.0190	0.380	0	103	40	140			
Pentachlorophenol	0.416	0.0190	0.380	0	110	14	176			

Qualifiers:

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

CLIENT: Pollution Control Services
Work Order: 2508071
Project: PCS 810676, 810680-810681

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_250811C

Sample ID: **2508006-01AMS**	Batch ID: **121909**	TestNo: **E625.1**	Units: **mg/L**
SampType: **MS**	Run ID: **GCMS9_250811C**	Analysis Date: **8/11/2025 9:55:00 PM**	Prep Date: **8/11/2025**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Phenanthrene	0.351	0.0190	0.380	0	92.4	54	120			
Pyridine	0.259	0.0190	0.380	0	68.4	10	75			
1,2,4,5-Tetrachlorobenzene	0.334	0.0190	0.380	0	88.1	30	140			
2,4,5-Trichlorophenol	0.387	0.0190	0.380	0	102	25	125			
2-Chlorophenol	0.337	0.0190	0.380	0	88.9	23	134			
2,4-Dichlorophenol	0.373	0.0190	0.380	0	98.2	39	135			
2,4-Dinitrophenol	0.319	0.0380	0.380	0	84.0	10	191			
2-Nitrophenol	0.385	0.0190	0.380	0	102	29	182			
4-Nitrophenol	0.383	0.0380	0.380	0	101	10	132			
Phenol	0.358	0.0190	0.380	0.0363	84.8	5	120			
2,4,6-Trichlorophenol	0.410	0.0190	0.380	0	108	37	144			
Acenaphthene	0.340	0.0190	0.380	0	89.6	47	145			
Acenaphthylene	0.374	0.0190	0.380	0	98.6	33	145			
Anthracene	0.357	0.0190	0.380	0	94.0	27	133			
Benzo[b]fluoranthene	0.387	0.0190	0.380	0	102	24	159			
Benzo[g,h,i]perylene	0.392	0.0190	0.380	0	103	10	219			
Benzo[k]fluoranthene	0.354	0.0190	0.380	0	93.4	11	162			
Bis(2-chloroethoxy)methane	0.350	0.0190	0.380	0	92.2	33	184			
Bis(2-chloroethyl)ether	0.331	0.0190	0.380	0	87.1	12	158			
Bis(2-chloroisopropyl)ether	0.310	0.0190	0.380	0	81.6	36	166			
Bis(2-ethylhexyl)phthalate	0.409	0.0569	0.380	0	108	10	158			
4-Bromophenyl phenyl ether	0.369	0.0190	0.380	0	97.3	53	127			
Butyl benzyl phthalate	0.405	0.0569	0.380	0	107	10	152			
2-Chloronaphthalene	0.335	0.0190	0.380	0	88.3	60	120			
4-Chlorophenyl phenyl ether	0.317	0.0190	0.380	0	83.5	25	158			
Dibenz[a,h]anthracene	0.412	0.0190	0.380	0	109	10	125			
3,3'-Dichlorobenzidine	0.239	0.0474	0.380	0	62.8	10	262			
Diethyl phthalate	0.328	0.0569	0.380	0	86.4	10	120			
Dimethyl phthalate	0.340	0.0569	0.380	0	89.6	10	120			
Di-n-butyl phthalate	0.420	0.0569	0.380	0	111	10	120			
2,4-Dinitrotoluene	0.343	0.0190	0.380	0	90.4	39	139			
2,6-Dinitrotoluene	0.353	0.0190	0.380	0	93.0	50	158			
Di-n-octyl phthalate	0.388	0.0569	0.380	0	102	10	146			
1,2-Diphenylhydrazine	0.390	0.0190	0.380	0	103	40	140			
Fluoranthene	0.362	0.0190	0.380	0	95.5	26	137			
Fluorene	0.333	0.0190	0.380	0	87.8	59	121			
Hexachlorocyclopentadiene	0.357	0.0190	0.380	0	94.2	8	130			
Indeno[1,2,3-cd]pyrene	0.381	0.0190	0.380	0	100	10	171			
Isophorone	0.373	0.0190	0.380	0	98.4	21	196			
Naphthalene	0.324	0.0190	0.380	0	85.4	21	133			
N-Nitrosodimethylamine	0.331	0.0190	0.380	0	87.4	10	125			

Qualifiers:

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

CLIENT: Pollution Control Services
Work Order: 2508071
Project: PCS 810676, 810680-810681

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_250811C

Sample ID: **2508006-01AMS**	Batch ID: **121909**	TestNo: **E625.1**	Units: **mg/L**
SampType: **MS**	Run ID: **GCMS9_250811C**	Analysis Date: **8/11/2025 9:55:00 PM**	Prep Date: **8/11/2025**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
N-Nitrosodi-n-propylamine	0.397	0.0190	0.380	0	105	10	230			
N-Nitrosodiphenylamine	0.370	0.0190	0.380	0	97.5	20	125			
Pyrene	0.335	0.0190	0.380	0	88.2	52	120			
1,2,4-Trichlorobenzene	0.304	0.0190	0.380	0	80.0	44	142			
Surr: 2,4,6-Tribromophenol	913		759.0		120	10	123			
Surr: 2-Fluorobiphenyl	641		759.0		84.5	43	116			
Surr: 2-Fluorophenol	689		759.0		90.8	21	100			
Surr: 4-Terphenyl-d14	639		759.0		84.2	33	141			
Surr: Nitrobenzene-d5	712		759.0		93.8	35	115			
Surr: Phenol-d5	694		759.0		91.5	10	94			

Sample ID: **2508006-01AMSD**	Batch ID: **121909**	TestNo: **E625.1**	Units: **mg/L**
SampType: **MSD**	Run ID: **GCMS9_250811C**	Analysis Date: **8/11/2025 10:17:00 PM**	Prep Date: **8/11/2025**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzidine	0.0262	0.0356	0.356	0	7.35	5	125	1.55	50	
Benzo[a]anthracene	0.331	0.0178	0.356	0	93.1	33	143	5.67	50	
Benzo[a]pyrene	0.379	0.0178	0.356	0	107	17	163	4.96	50	
Chrysene	0.337	0.0178	0.356	0	94.7	17	168	7.53	50	
2,4-Dimethylphenol	0.345	0.0178	0.356	0	96.8	32	120	4.87	50	
4,6-Dinitro-o-cresol	0.378	0.0356	0.356	0	106	10	181	4.39	50	
m,p-Cresols	0.414	0.0356	0.356	0.0214	110	10	125	0.090	50	
o-Cresol	0.344	0.0356	0.356	0	96.6	25	125	3.43	50	
p-Chloro-m-Cresol	0.332	0.0356	0.356	0	93.3	22	147	4.81	50	
Hexachlorobenzene	0.354	0.0178	0.356	0	99.6	10	152	4.40	50	
Hexachlorobutadiene	0.289	0.0178	0.356	0	81.1	24	120	4.63	50	
Hexachloroethane	0.289	0.0178	0.356	0	81.3	40	120	2.73	50	
Nitrobenzene	0.347	0.0178	0.356	0	97.6	35	180	1.71	50	
N-Nitrosodiethylamine	0.358	0.0356	0.356	0	101	20	125	2.58	50	
N-Nitrosodi-n-butylamine	0.398	0.0356	0.356	0	112	20	125	2.56	50	
Pentachlorobenzene	0.387	0.0178	0.356	0	109	40	140	1.19	50	
Pentachlorophenol	0.384	0.0178	0.356	0	108	14	176	7.99	50	
Phenanthrene	0.334	0.0178	0.356	0	93.9	54	120	4.82	39	
Pyridine	0.252	0.0178	0.356	0	71.0	10	75	2.70	50	
1,2,4,5-Tetrachlorobenzene	0.322	0.0178	0.356	0	90.6	30	140	3.69	50	
2,4,5-Trichlorophenol	0.375	0.0178	0.356	0	105	25	125	3.34	50	
2-Chlorophenol	0.327	0.0178	0.356	0	92.0	23	134	3.00	50	
2,4-Dichlorophenol	0.358	0.0178	0.356	0	101	39	135	4.01	50	
2,4-Dinitrophenol	0.306	0.0356	0.356	0	86.0	10	191	4.02	50	
2-Nitrophenol	0.372	0.0178	0.356	0	104	29	182	3.61	50	
4-Nitrophenol	0.355	0.0356	0.356	0	99.7	10	132	7.72	50	

Qualifiers:

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

CLIENT: Pollution Control Services
Work Order: 2508071
Project: PCS 810676, 810680-810681

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_250811C

Sample ID: **2508006-01AMSD**	Batch ID: **121909**	TestNo: **E625.1**	Units: **mg/L**
SampType: **MSD**	Run ID: **GCMS9_250811C**	Analysis Date: **8/11/2025 10:17:00 PM**	Prep Date: **8/11/2025**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Phenol	0.347	0.0178	0.356	0.0363	87.3	5	120	3.20	50	
2,4,6-Trichlorophenol	0.398	0.0178	0.356	0	112	37	144	2.97	50	
Acenaphthene	0.330	0.0178	0.356	0	92.6	47	145	3.08	48	
Acenaphthylene	0.365	0.0178	0.356	0	102	33	145	2.55	50	
Anthracene	0.340	0.0178	0.356	0	95.5	27	133	4.85	50	
Benzo[b]fluoranthene	0.377	0.0178	0.356	0	106	24	159	2.68	50	
Benzo[g,h,i]perylene	0.381	0.0178	0.356	0	107	10	219	2.87	50	
Benzo[k]fluoranthene	0.330	0.0178	0.356	0	92.7	11	162	7.18	50	
Bis(2-chloroethoxy)methane	0.339	0.0178	0.356	0	95.4	33	184	3.07	50	
Bis(2-chloroethyl)ether	0.323	0.0178	0.356	0	90.7	12	158	2.44	50	
Bis(2-chloroisopropyl)ether	0.304	0.0178	0.356	0	85.5	36	166	1.82	50	
Bis(2-ethylhexyl)phthalate	0.376	0.0534	0.356	0	106	10	158	8.44	50	
4-Bromophenyl phenyl ether	0.357	0.0178	0.356	0	100	53	127	3.39	43	
Butyl benzyl phthalate	0.378	0.0534	0.356	0	106	10	152	6.94	50	
2-Chloronaphthalene	0.328	0.0178	0.356	0	92.3	60	120	2.05	24	
4-Chlorophenyl phenyl ether	0.306	0.0178	0.356	0	86.0	25	158	3.42	50	
Dibenz[a,h]anthracene	0.400	0.0178	0.356	0	112	10	125	3.04	50	
3,3'-Dichlorobenzidine	0.196	0.0445	0.356	0	55.2	10	262	19.3	50	
Diethyl phthalate	0.314	0.0534	0.356	0	88.2	10	120	4.43	50	
Dimethyl phthalate	0.328	0.0534	0.356	0	92.2	10	120	3.51	50	
Di-n-butyl phthalate	0.390	0.0534	0.356	0	109	10	120	7.56	47	
2,4-Dinitrotoluene	0.329	0.0178	0.356	0	92.5	39	139	4.08	42	
2,6-Dinitrotoluene	0.343	0.0178	0.356	0	96.3	50	158	2.94	48	
Di-n-octyl phthalate	0.366	0.0534	0.356	0	103	10	146	5.84	50	
1,2-Diphenylhydrazine	0.379	0.0178	0.356	0	107	40	140	2.85	50	
Fluoranthene	0.337	0.0178	0.356	0	94.7	26	137	7.32	50	
Fluorene	0.323	0.0178	0.356	0	90.8	59	121	3.13	38	
Hexachlorocyclopentadiene	0.355	0.0178	0.356	0	99.8	8	130	0.652	50	
Indeno[1,2,3-cd]pyrene	0.368	0.0178	0.356	0	103	10	171	3.34	50	
Isophorone	0.360	0.0178	0.356	0	101	21	196	3.67	50	
Naphthalene	0.312	0.0178	0.356	0	87.7	21	133	3.71	50	
N-Nitrosodimethylamine	<0.00890	0.0178	0.356	0	0	10	125	0	50	S
N-Nitrosodi-n-propylamine	0.387	0.0178	0.356	0	109	10	230	2.49	50	
N-Nitrosodiphenylamine	0.352	0.0178	0.356	0	98.8	20	125	5.10	50	
Pyrene	0.324	0.0178	0.356	0	91.0	52	120	3.36	49	
1,2,4-Trichlorobenzene	0.290	0.0178	0.356	0	81.6	44	142	4.51	50	
Surr: 2,4,6-Tribromophenol	870		711.7		122	10	123	0	0	
Surr: 2-Fluorobiphenyl	619		711.7		87.0	43	116	0	0	
Surr: 2-Fluorophenol	658		711.7		92.5	21	100	0	0	
Surr: 4-Terphenyl-d14	598		711.7		84.0	33	141	0	0	
Surr: Nitrobenzene-d5	683		711.7		96.0	35	115	0	0	

Qualifiers:

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

CLIENT: Pollution Control Services
Work Order: 2508071
Project: PCS 810676, 810680-810681

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_250811C

Sample ID: **2508006-01AMSD**	Batch ID: **121909**	TestNo: **E625.1**	Units: **mg/L**
SampType: **MSD**	Run ID: **GCMS9_250811C**	Analysis Date: **8/11/2025 10:17:00 PM**	Prep Date: **8/11/2025**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: Phenol-d5	660		711.7		92.8	10	94	0	0	

Qualifiers:

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

CLIENT: Pollution Control Services
Work Order: 2508071
Project: PCS 810676, 810680-810681

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_250811D

The QC data in batch 121909 applies to the following samples: 2508071-01B

Sample ID: **LCS-121909-NP**	Batch ID: **121909**	TestNo: **D7065-17**	Units: **mg/L**
SampType: **LCS**	Run ID: **GCMS9_250811D**	Analysis Date: **8/11/2025 5:51:00 PM**	Prep Date: **8/11/2025**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nonylphenol	1.21	0.100	1.00	0	121	40	140			N

Sample ID: **MB-121909**	Batch ID: **121909**	TestNo: **D7065-17**	Units: **mg/L**
SampType: **MBLK**	Run ID: **GCMS9_250811D**	Analysis Date: **8/11/2025 6:13:00 PM**	Prep Date: **8/11/2025**

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

Qualifiers:

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

CLIENT: Pollution Control Services
Work Order: 2508071
Project: PCS 810676, 810680-810681

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_250807B

The QC data in batch 121875 applies to the following samples: 2508071-02A

Sample ID: **LCS-121875** Batch ID: **121875** TestNo: **E624.1** Units: **mg/L**
SampType: **LCS** Run ID: **GCMS5_250807B** Analysis Date: **8/7/2025 11:09:00 AM** Prep Date: **8/7/2025**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.0255	0.00100	0.0232	0	110	65	135			
Carbon tetrachloride	0.0256	0.00100	0.0232	0	110	70	130			
Chlorobenzene	0.0237	0.00100	0.0232	0	102	35	135			
Chloroform	0.0256	0.00100	0.0232	0	110	70	135			
Chlorodibromomethane	0.0235	0.00100	0.0232	0	101	70	135			
1,2-Dibromoethane	0.0232	0.00100	0.0232	0	99.9	60	140			
1,2-Dichloroethane	0.0264	0.00100	0.0232	0	114	70	130			
1,1-Dichloroethene	0.0246	0.00100	0.0232	0	106	50	150			
Methyl ethyl ketone	0.105	0.0150	0.116	0	90.4	60	140			
Tetrachloroethene	0.0236	0.00200	0.0232	0	102	70	130			
Trichloroethene	0.0248	0.00100	0.0232	0	107	65	135			
1,1,1-Trichloroethane	0.0264	0.00100	0.0232	0	114	70	130			
TTHM (Total Trihalomethanes)	0.0973	0.00100	0.0928	0	105	60	140			
Vinyl chloride	0.0261	0.00100	0.0232	0	112	5	195			
Acrolein	0.0477	0.0150	0.0580	0	82.2	60	140			
Acrylonitrile	0.0448	0.00300	0.0464	0	96.5	60	140			
1,1,2,2-Tetrachloroethane	0.0233	0.00100	0.0232	0	100	60	140			
Bromoform	0.0220	0.00100	0.0232	0	95.0	65	135			
Chloroethane	0.0243	0.00500	0.0232	0	105	40	160			
2-Chloroethylvinylether	0.0251	0.0100	0.0232	0	108	5	225			
Bromodichloromethane	0.0262	0.00100	0.0232	0	113	65	135			
1,1-Dichloroethane	0.0252	0.00100	0.0232	0	108	70	130			
1,2-Dichloropropane	0.0255	0.00100	0.0232	0	110	35	165			
1,3-Dichloropropene (cis)	0.0254	0.00100	0.0232	0	109	25	175			
1,3-Dichloropropene (trans)	0.0253	0.00100	0.0232	0	109	50	150			
Ethylbenzene	0.0236	0.00100	0.0232	0	102	60	140			
Methyl bromide	0.0250	0.00500	0.0232	0	108	15	185			
Methyl chloride	0.0251	0.00500	0.0232	0	108	5	205			
Methylene chloride (DCM)	0.0247	0.00500	0.0232	0	107	60	140			
Toluene	0.0252	0.00200	0.0232	0	108	70	130			
trans-1,2-Dichloroethylene	0.0244	0.00200	0.0232	0	105	70	130			
1,1,2-Trichloroethane	0.0249	0.00100	0.0232	0	107	70	130			
1,2-Dichlorobenzene	0.0232	0.00100	0.0232	0	100	65	135			
1,3-Dichlorobenzene	0.0232	0.00100	0.0232	0	100	70	130			
1,4-Dichlorobenzene	0.0233	0.00100	0.0232	0	100	65	135			
Surr: 1,2-Dichloroethane-d4	208		200.0		104	72	119			
Surr: 4-Bromofluorobenzene	198		200.0		99.0	76	119			
Surr: Dibromofluoromethane	207		200.0		104	85	115			
Surr: Toluene-d8	191		200.0		95.3	81	120			

Qualifiers:

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

CLIENT: Pollution Control Services
Work Order: 2508071
Project: PCS 810676, 810680-810681

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_250807B

Sample ID: **MB-121875**	Batch ID: **121875**	TestNo: **E624.1**	Units: **mg/L**
SampType: **MBLK**	Run ID: **GCMS5_250807B**	Analysis Date: **8/7/2025 12:00:00 PM**	Prep Date: **8/7/2025**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	<0.000300	0.00100								
Carbon tetrachloride	<0.000300	0.00100								
Chlorobenzene	<0.000300	0.00100								
Chloroform	<0.000300	0.00100								
Chlorodibromomethane	<0.000300	0.00100								
1,2-Dibromoethane	<0.000300	0.00100								
1,2-Dichloroethane	<0.000300	0.00100								
1,1-Dichloroethene	<0.000300	0.00100								
Methyl ethyl ketone	<0.00500	0.0150								
Tetrachloroethene	<0.000600	0.00200								
Trichloroethene	<0.000600	0.00100								
1,1,1-Trichloroethane	<0.000300	0.00100								
TTHM (Total Trihalomethanes)	<0.000300	0.00100								
Vinyl chloride	<0.000300	0.00100								
Acrolein	<0.00500	0.0150								
Acrylonitrile	<0.00100	0.00300								
1,1,2,2-Tetrachloroethane	<0.000300	0.00100								
Bromoform	<0.000300	0.00100								
Chloroethane	<0.00100	0.00500								
2-Chloroethylvinylether	<0.00600	0.0100								
Bromodichloromethane	<0.000300	0.00100								
1,1-Dichloroethane	<0.000300	0.00100								
1,2-Dichloropropane	<0.000300	0.00100								
1,3-Dichloropropene (cis)	<0.000300	0.00100								
1,3-Dichloropropene (trans)	<0.000300	0.00100								
Ethylbenzene	<0.000300	0.00100								
Methyl bromide	<0.00100	0.00500								
Methyl chloride	<0.00100	0.00500								
Methylene chloride (DCM)	<0.00250	0.00500								
Toluene	<0.000600	0.00200								
trans-1,2-Dichloroethylene	<0.000300	0.00200								
1,1,2-Trichloroethane	<0.000300	0.00100								
1,2-Dichlorobenzene	<0.000300	0.00100								
1,3-Dichlorobenzene	<0.000300	0.00100								
1,4-Dichlorobenzene	<0.000300	0.00100								
Surr: 1,2-Dichloroethane-d4	209		200.0		105	72	119			
Surr: 4-Bromofluorobenzene	196		200.0		98.2	76	119			
Surr: Dibromofluoromethane	210		200.0		105	85	115			
Surr: Toluene-d8	191		200.0		95.3	81	120			

Qualifiers:

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

CLIENT: Pollution Control Services
Work Order: 2508071
Project: PCS 810676, 810680-810681

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_250807B

Sample ID: **2508050-02AMS**	Batch ID: **121875**	TestNo: **E624.1**	Units: **mg/L**
SampType: **MS**	Run ID: **GCMS5_250807B**	Analysis Date: **8/7/2025 4:46:00 PM**	Prep Date: **8/7/2025**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.0265	0.00100	0.0232	0	114	37	151			
Carbon tetrachloride	0.0268	0.00100	0.0232	0	115	70	140			
Chlorobenzene	0.0245	0.00100	0.0232	0	106	37	160			
Chloroform	0.0272	0.00100	0.0232	0	117	51	138			
Chlorodibromomethane	0.0240	0.00100	0.0232	0	104	53	149			
1,2-Dibromoethane	0.0247	0.00100	0.0232	0	107	40	160			
1,2-Dichloroethane	0.0282	0.00100	0.0232	0	122	49	155			
1,1-Dichloroethene	0.0246	0.00100	0.0232	0	106	10	234			
Methyl ethyl ketone	0.125	0.0150	0.116	0	108	40	160			
Tetrachloroethene	0.0245	0.00200	0.0232	0	106	64	148			
Trichloroethene	0.0248	0.00100	0.0232	0	107	70	157			
1,1,1-Trichloroethane	0.0269	0.00100	0.0232	0	116	52	162			
TTHM (Total Trihalomethanes)	0.101	0.00100	0.0928	0	108	40	160			
Vinyl chloride	0.0247	0.00100	0.0232	0	107	10	251			
Acrolein	0.0423	0.0150	0.0580	0	72.9	40	160			
Acrylonitrile	0.0472	0.00300	0.0464	0	102	40	160			
1,1,2,2-Tetrachloroethane	0.0251	0.00100	0.0232	0	108	46	157			
Bromoform	0.0220	0.00100	0.0232	0	94.8	45	169			
Chloroethane	0.0228	0.00500	0.0232	0	98.2	14	230			
2-Chloroethylvinylether	<0.00600	0.0100	0.0232	0	0	5	273			S
Bromodichloromethane	0.0272	0.00100	0.0232	0	117	35	155			
1,1-Dichloroethane	0.0263	0.00100	0.0232	0	113	59	155			
1,2-Dichloropropane	0.0267	0.00100	0.0232	0	115	10	210			
1,3-Dichloropropene (cis)	0.0257	0.00100	0.0232	0	111	10	227			
1,3-Dichloropropene (trans)	0.0260	0.00100	0.0232	0	112	17	183			
Ethylbenzene	0.0243	0.00100	0.0232	0	105	37	162			
Methyl bromide	0.0149	0.00500	0.0232	0	64.1	10	242			
Methyl chloride	0.0225	0.00500	0.0232	0	97.0	5	273			
Methylene chloride (DCM)	0.0255	0.00500	0.0232	0	110	10	221			
Toluene	0.0258	0.00200	0.0232	0	111	47	150			
trans-1,2-Dichloroethylene	0.0250	0.00200	0.0232	0	108	54	156			
1,1,2-Trichloroethane	0.0266	0.00100	0.0232	0	115	52	150			
1,2-Dichlorobenzene	0.0246	0.00100	0.0232	0	106	18	190			
1,3-Dichlorobenzene	0.0245	0.00100	0.0232	0	106	59	156			
1,4-Dichlorobenzene	0.0247	0.00100	0.0232	0	106	18	190			
Surr: 1,2-Dichloroethane-d4	213		200.0		106	72	119			
Surr: 4-Bromofluorobenzene	200		200.0		100	76	119			
Surr: Dibromofluoromethane	212		200.0		106	85	115			
Surr: Toluene-d8	190		200.0		95.1	81	120			

Qualifiers:

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

CLIENT: Pollution Control Services
Work Order: 2508071
Project: PCS 810676, 810680-810681

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_250807B

Sample ID: **2508050-02AMSD**	Batch ID: **121875**	TestNo: **E624.1**	Units: **mg/L**
SampType: **MSD**	Run ID: **GCMS5_250807B**	Analysis Date: **8/7/2025 5:11:00 PM**	Prep Date: **8/7/2025**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.0262	0.00100	0.0232	0	113	37	151	1.03	40	
Carbon tetrachloride	0.0269	0.00100	0.0232	0	116	70	140	0.421	40	
Chlorobenzene	0.0240	0.00100	0.0232	0	103	37	160	2.20	40	
Chloroform	0.0261	0.00100	0.0232	0	113	51	138	4.15	40	
Chlorodibromomethane	0.0233	0.00100	0.0232	0	101	53	149	2.99	40	
1,2-Dibromoethane	0.0243	0.00100	0.0232	0	105	40	160	1.77	40	
1,2-Dichloroethane	0.0274	0.00100	0.0232	0	118	49	155	3.06	40	
1,1-Dichloroethene	0.0248	0.00100	0.0232	0	107	10	234	0.705	32	
Methyl ethyl ketone	0.128	0.0150	0.116	0	110	40	160	2.58	40	
Tetrachloroethene	0.0243	0.00200	0.0232	0	105	64	148	0.931	39	
Trichloroethene	0.0242	0.00100	0.0232	0	104	70	157	2.68	40	
1,1,1-Trichloroethane	0.0270	0.00100	0.0232	0	116	52	162	0.037	36	
TTHM (Total Trihalomethanes)	0.0980	0.00100	0.0928	0	106	40	160	2.51	40	
Vinyl chloride	0.0249	0.00100	0.0232	0	107	10	251	0.600	40	
Acrolein	0.0505	0.0150	0.0580	0	87.1	40	160	17.7	40	
Acrylonitrile	0.0482	0.00300	0.0464	0	104	40	160	2.26	40	
1,1,2,2-Tetrachloroethane	0.0255	0.00100	0.0232	0	110	46	157	1.64	40	
Bromoform	0.0222	0.00100	0.0232	0	95.7	45	169	0.977	40	
Chloroethane	0.0229	0.00500	0.0232	0	98.8	14	230	0.687	40	
2-Chloroethylvinylether	<0.00600	0.0100	0.0232	0	0	5	273	0	40	S
Bromodichloromethane	0.0263	0.00100	0.0232	0	113	35	155	3.34	40	
1,1-Dichloroethane	0.0260	0.00100	0.0232	0	112	59	155	1.33	40	
1,2-Dichloropropane	0.0264	0.00100	0.0232	0	114	10	210	0.855	40	
1,3-Dichloropropene (cis)	0.0253	0.00100	0.0232	0	109	10	227	1.53	40	
1,3-Dichloropropene (trans)	0.0256	0.00100	0.0232	0	110	17	183	1.60	40	
Ethylbenzene	0.0239	0.00100	0.0232	0	103	37	162	1.70	40	
Methyl bromide	0.0188	0.00500	0.0232	0	81.1	10	242	23.4	40	
Methyl chloride	0.0228	0.00500	0.0232	0	98.1	5	273	1.06	40	
Methylene chloride (DCM)	0.0248	0.00500	0.0232	0	107	10	221	2.78	28	
Toluene	0.0262	0.00200	0.0232	0	113	47	150	1.45	40	
trans-1,2-Dichloroethylene	0.0249	0.00200	0.0232	0	107	54	156	0.385	40	
1,1,2-Trichloroethane	0.0263	0.00100	0.0232	0	113	52	150	1.02	40	
1,2-Dichlorobenzene	0.0248	0.00100	0.0232	0	107	18	190	0.559	40	
1,3-Dichlorobenzene	0.0244	0.00100	0.0232	0	105	59	156	0.343	40	
1,4-Dichlorobenzene	0.0242	0.00100	0.0232	0	104	18	190	1.97	40	
Surr: 1,2-Dichloroethane-d4	211		200.0		106	72	119	0	0	
Surr: 4-Bromofluorobenzene	198		200.0		99.0	76	119	0	0	
Surr: Dibromofluoromethane	209		200.0		105	85	115	0	0	
Surr: Toluene-d8	189		200.0		94.4	81	120	0	0	

Qualifiers:

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

CLIENT: Pollution Control Services
Work Order: 2508071
Project: PCS 810676, 810680-810681

ANALYTICAL QC SUMMARY REPORT

RunID: UV/VIS_2_250812B

The QC data in batch 121882 applies to the following samples: 2508071-03A

Sample ID: **MB-121882**	Batch ID: **121882**	TestNo: **M4500-CN E**	Units: **mg/L**
SampType: **MBLK**	Run ID: **UV/VIS_2_250812B**	Analysis Date: **8/12/2025 10:25:00 AM**	Prep Date: **8/8/2025**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Amenable to Chlorination	<0.0100	0.0200								
Cyanide, Total	<0.0100	0.0200								

Sample ID: **LCS-121882**	Batch ID: **121882**	TestNo: **M4500-CN E**	Units: **mg/L**
SampType: **LCS**	Run ID: **UV/VIS_2_250812B**	Analysis Date: **8/12/2025 10:26:00 AM**	Prep Date: **8/8/2025**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Amenable to Chlorination	0.113	0.0200	0.1000	0	113	80	120			
Cyanide, Total	0.192	0.0200	0.2000	0	95.8	85	115			

Sample ID: **2508088-01CMS**	Batch ID: **121882**	TestNo: **M4500-CN E**	Units: **mg/L**
SampType: **MS**	Run ID: **UV/VIS_2_250812B**	Analysis Date: **8/12/2025 10:34:00 AM**	Prep Date: **8/8/2025**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Total	0.0823	0.0200	0.2000	0	41.1	79	114			S

Sample ID: **2508088-01CMSD**	Batch ID: **121882**	TestNo: **M4500-CN E**	Units: **mg/L**
SampType: **MSD**	Run ID: **UV/VIS_2_250812B**	Analysis Date: **8/12/2025 10:34:00 AM**	Prep Date: **8/8/2025**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Total	0.0799	0.0200	0.2000	0	40.0	79	114			S

Qualifiers:

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

POLLUTION CONTROL SERVICES

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210.340.0343

CHAIN OF CUSTODY & SUBCONTRACT TRACKING SHEET

TO: SPL - Kilgore
2600 Dudley Rd
Kilgore, TX 75662

Relinquished by: Lauren Clay
Date/Time: 8/5/2025 @ 1500
Received by:
Date/Time:

PCS#	Date	Time	Analysis Requested	Pres	T. A. T.
810676	08/05/2025	0700	Herbicides 615 2435086	Ice	Std
810682	08/04/2025	1254	Phenols 2435089	H_2SO_4	Std

Comments/Special Instructions:

Unless otherwise requested, send results and invoice to:

Chuck Wallgren
Pollution Control Services
1532 Universal City Blvd, Suite 100
Universal City, TX 78148-3318

Authorized by: Lauren Clay Date: 8.5.25

Amy V-2 8/6/25 1025

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

SPL
The Science of Sure

Project
1159759

PCSL-C

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

Printed 08/28/2025
16:40

TABLE OF CONTENTS

Rerun 2,4-D

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

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

SAMPLE CROSS REFERENCE

Project
1159759

Printed 8/28/2025 Page 1 of 1
Rerun 2 4-D

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

Sample	Sample ID	Taken	Time	Received
2440670	*810676*	08/05/2025	07:00:00	08/06/2025

Bottle 01 Client Supplied Amber Glass
Bottle 02 Prepared Bottle: 2 mL Autosampler Vial (Batch 1190175) Volume: 10.00000 mL <== Derived from 01 (976 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 615	02	1190175	08/12/2025	1191242	08/19/2025
EPA 615	02	1190175	08/12/2025	1192963	08/27/2025

Sample	Sample ID	Taken	Time	Received
2440671	*810682*	08/04/2025	12:54:00	08/06/2025

Bottle 01 Client supplied H2SO4 Amber Glass
Bottle 02 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1189284) Volume: 6.00000 mL <== Derived from 01 (6 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 420.4 1	02	1189284	08/07/2025	1189947	08/12/2025

Email: Kilgore.ProjectManagement@spllabs.com

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Project 1159759

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

Printed: 08/28/2025

Rerun 2,4-D

RESULTS

Sample Results

2440670 **810676** Received: 08/06/2025

Non-Potable Water *Collected by:* Client Pollution Control Se *PO:*
Taken: 08/05/2025 07:00:00
Supplement to Test Report 2435086

EPA 615 *Prepared:* *1190175* *08/12/2025* *15:00:00* *Analyzed* *1191242* *08/19/2025* *04:05:00* *KAP*

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**2,4,5-TP (Silvex)**	**<0.300**	**ug/L**	0.300		**93-72-1**	02

EPA 615 *Prepared:* *1190175* *08/12/2025* *15:00:00* *Analyzed* *1192963* *08/27/2025* *20:16:00* *KAP*

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**2,4 Dichlorophenoxyacetic acid**	**<0.512**	**ug/L**	0.512		**94-75-7**	02

2440671 **810682** Received: 08/06/2025

Non-Potable Water *Collected by:* Client Pollution Control Se *PO:*
Taken: 08/04/2025 12:54:00
Supplement to Test Report 2435089

EPA 420.4 1 *Prepared:* *1189284* *08/07/2025* *09:40:28* *Analyzed* *1189947* *08/12/2025* *11:13:00* *MEG*

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Phenolics, Total Recoverable**	**0.020**	**mg/L**	0.005			02

Sample Preparation

2440670 **810676** Received: 08/06/2025

08/05/2025

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Project 1159759

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2440670 **810676** Received: 08/06/2025

08/05/2025

EPA 615	*Prepared:*	*1190175*	*08/12/2025*	*15:00:00*	*Analyzed*	*1190175*	*08/12/2025*	*15:00:00*	*SAE*	
NELAC **Esterification of Sample**	**10/976**	**ml**								01
EPA 615	*Prepared:*	*1190175*	*08/12/2025*	*15:00:00*	*Analyzed*	*1191242*	*08/19/2025*	*04:05:00*	*KAP*	
NELAC **Herbicides by GC**	**Entered**									02

2440671 **810682** Received: 08/06/2025

08/04/2025

EPA 420.4 1	*Prepared:*	*1189284*	*08/07/2025*	*09:40:28*	*Analyzed*	*1189284*	*08/07/2025*	*09:40:28*	*MEG*	
NELAC **Phenol Distillation**	**6/6**	**ml**								01

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1159759

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

Printed: 08/28/2025

Qualifiers:

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

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

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

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

Bill Peery

Bill Peery, MS, VP Technical Services

QUALITY CONTROL

SPL The Science of Sure

Project 1159759

PCSL-C

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

Printed 08/28/2025

Analytical Set 1189947 — EPA 420.4 1

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Phenolics, Total Recoverable	1189284	ND	0.003	0.005	mg/L	127942832

CCB

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Phenolics, Total Recoverable	1189284	ND	0.003	0.005	mg/L	127942839
Phenolics, Total Recoverable	1189947	ND	0.003	0.005	mg/L	127942846

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Phenolics, Total Recoverable	0.202	0.200	mg/L	101	90.0 - 110	127942802
Phenolics, Total Recoverable	0.196	0.200	mg/L	98.0	90.0 - 110	127942812
Phenolics, Total Recoverable	0.196	0.200	mg/L	98.0	90.0 - 110	127942823
Phenolics, Total Recoverable	0.198	0.200	mg/L	99.0	90.0 - 110	127942834
Phenolics, Total Recoverable	0.182	0.200	mg/L	91.0	90.0 - 110	127942845
Phenolics, Total Recoverable	0.195	0.200	mg/L	97.5	90.0 - 110	127942847

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD		Limit%
Phenolics, Total Recoverable	2433986	0.022	0.027	mg/L	20.4	*	20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Phenolics, Total Recoverable	0.192	0.200	mg/L	96.0	90.0 - 110	127942801

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Phenolics, Total Recoverable	1189284	0.199	0.210	0.200	90.0 - 110	99.5	105	mg/L	5.38	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File	
Phenolics, Total Recoverable	2433986	0.180	0.027	0.200	mg/L	76.5	90.0 - 110	127942838	*

Analytical Set 1191242 — EPA 615

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
2,4 Dichlorophenoxyacetic acid	1190175	21.2	14.8	50.0	ug/L	127968667
2,4,5-TP (Silvex)	1190175	ND	16.5	30.0	ug/L	127968667

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
2,4 Dichlorophenoxyacetic acid	144	142	ug/L	102	80.0 - 115	127968666
2,4 Dichlorophenoxyacetic acid	148	142	ug/L	104	80.0 - 115	127968670
2,4 Dichlorophenoxyacetic acid	142	142	ug/L	99.9	80.0 - 115	127968673
2,4,5-TP (Silvex)	148	143	ug/L	103	80.0 - 115	127968666
2,4,5-TP (Silvex)	155	143	ug/L	108	80.0 - 115	127968670
2,4,5-TP (Silvex)	150	143	ug/L	105	80.0 - 115	127968673

Email: Kilgore.ProjectManagement@spllabs.com

QUALITY CONTROL

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Suite 100
Universal City, TX 78148

Project 1159759

Printed 08/28/2025

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
2,4 Dichlorophenoxyacetic acid	1190175	83.7	73.9	94.0	0.100 - 319	89.0	78.6	ug/L	12.4	30.0
2,4,5-TP (Silvex)	1190175	99.1	101	95.0	0.100 - 244	104	106	ug/L	1.90	30.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
2,4-Dichlorophenylacetic Acid		CCV	142	93.6	ug/L	152	0.100 - 313	127968666
2,4-Dichlorophenylacetic Acid		CCV	144	93.6	ug/L	154	0.100 - 313	127968670
2,4-Dichlorophenylacetic Acid		CCV	140	93.6	ug/L	150	0.100 - 313	127968673
2,4-Dichlorophenylacetic Acid	1190175	Blank	586	93.6	ug/L	626 *	0.100 - 313	127968667
2,4-Dichlorophenylacetic Acid	1190175	LCS	337	93.6	ug/L	360 *	0.100 - 313	127968668
2,4-Dichlorophenylacetic Acid	1190175	LCS Dup	122	93.6	ug/L	130	0.100 - 313	127968669

Analytical Set 1192963 — EPA 615

CCV

Parameter	Reading	Known	Units	Recover%	Limits%		File
2,4 Dichlorophenoxyacetic acid	149	142	ug/L	105	80.0 - 115		128011163
2,4 Dichlorophenoxyacetic acid	155	142	ug/L	109	80.0 - 115		128011173
2,4 Dichlorophenoxyacetic acid	162	142	ug/L	114	80.0 - 115		128011175
2,4,5-TP (Silvex)	164	143	ug/L	115	80.0 - 115		128011163
2,4,5-TP (Silvex)	167	143	ug/L	117	80.0 - 115	*	128011173
2,4,5-TP (Silvex)	171	143	ug/L	119	80.0 - 115	*	128011175

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
2,4-Dichlorophenylacetic Acid		CCV	152	93.6	ug/L	162	0.100 - 313	128011163
2,4-Dichlorophenylacetic Acid		CCV	162	93.6	ug/L	173	0.100 - 313	128011173
2,4-Dichlorophenylacetic Acid		CCV	164	93.6	ug/L	175	0.100 - 313	128011175
2,4-Dichlorophenylacetic Acid	2440670	Unknown	2.69	0.959	ug/L	281	0.100 - 313	128011172

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

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); CCB - Continuing Calibration Blank; CCV - Continuing Calibration Verification (same standard used to prepare the curve; typically a mid-range concentration; verifies the continued validity of the calibration curve); ICV - Initial Calibration Verification; LCS Dup - Laboratory Control Sample Duplicate (replicate LCS; analyzed when there is insufficient sample for duplicate or MSD; quantifies accuracy and precision.); Surrogate - Surrogate (mimics the analyte of interest but is unlikely to be found in environmental samples; added to analytical samples for QC purposes. **ANSI/ASQC E4 1994 Ref #4 TRADE QA Resources Guide.)

1159759 CoC Print Group 001 of 001

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

SHIP DATE: 05AUG25
ACTWGT: 19.00 LB
CAD: 112447368/INET4535
DIMS: 13x15x13 IN
BILL SENDER

TO SPL LAB KILGORE
SPL LAB KILGORE
2600 DUDLEY ROAD

KILGORE TX 75662
(903) 984-0551 REF:
INV.
PO: DEPT:

59G2F4ED59F2

FedEx Express

WED - 06 AUG 10:30A
PRIORITY OVERNIGHT

TRK# 0201 8833 3073 1270

XS TYRAG

TYRA 75662
TX-US SHV

8/6 1025 ANV
Date Time Tech
Temp: 1.6 1.4 C

Therm#: 7735 Corr Fact: -0.2 C

After printing this label:
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2. Place label in shipping pouch and affix it to your shipment.

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Pollution Control Services

Sample Log-In Checklist 810676

PCS Sample No(s) 810676 810683 **COC No.** _____

Client/Company Name: NBU **Checklist Completed by:** LMC

Sample Delivery to Lab Via:
Client Drop Off ✓ Commercial Carrier: Bus ____ UPS ____ Lone Star ____ FedEx ____ USPS ____
PCS Field Services: Collection/Pick Up ____ Other: _____

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

Sample Preservation:
* ***Cooling:*** **Not Required** _____ or **Required** ✓
If cooling required, record temperature of submitted samples Observed/Corrected 6.4 / 6.8 °C
Is Ice Present in Sample Kit/Cooler? ✓ Yes ____ No Samples received same day as collected? ✓ Yes ✓ No
Lab Thermometer Make and Serial Number: ennoLogic HDHC000015629 Other: _____

Acid Preserved Sample - If present, is pH <2? **Yes ✓ No ___** ** ✓ H_2SO_4 ✓ HNO_3 ____ H_3PO_4
Base Preserved Sample - If present, is pH >12? Yes ✓ No ___ ✓ NaOH
Other Preservation: _____ If Present, Meets Requirements? Yes ____ No ____
Sample Preservations Checked by: LMC Date 8.5.25 Time 0906
pH paper used to check sample preservation (PCS log #): 24-291 (HEM pH checked at analysis).

Samples Preserved/Adjusted by Lab:	Lab #	Parameters Preserved	Preservative Used	Log #

Adjusted by Tech/Analyst: _____ Date : _____ Time: _____

Client Notification/ Documentation for "No" Responses Above/ Discrepancies/ RevisionComments
Person Notified: _____ Contacted by: _____
Notified Date: _____ Time: _____
Method of Contact: At Drop Off: ____ Phone ___ Left Voice Mail ____ E-Mail ____ Fax ____
Unable to Contact ____ Authorized Laboratory to Proceed : _____ (Lab Director)
Regarding / Comments: _____

Actions taken to correct problems/discrepancies: _____

Receiving qualifier needed (*requires client notification above*) Temp. ___ Holding Time ___ Initails: _____
Receiving qualifier entered into LIMS at login Initial/Date: _____
Revision Comments: _____