NPDES PERMIT NO. NMR04A000

FY 2025
MS4 ANNUAL REPORT

FOR

ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY

DECEMBER 1, 2025

2600 PROSPECT AVENUE NE

ALBUQUERQUE, NM 87107

(505) 884-2215













NPDES Permit No. NMR04A000
AMAFCA FY 2025 MS4 Annual Report
Table of Contents

FY 2025 MS4 Annual Report EPA Summary Form for AMAFCA

Stormwater Management Program Status of Implementation and Performance Assessment Tables

MS4 Program Summaries:

Dissolved Oxygen Program Summary

- Part I.C.1.d – Special Conditions, Compliance with Water Quality Standards and Part I.C.3.a – Endangered Species Act (ESA) Requirements – Dissolved Oxygen Strategy
  - Letter from the U.S. Army Corps of Engineers (USACE) to AMAFCA, April 13, 2023, releasing AMAFCA from Any Further Vegetation Monitoring Associated with the North Diversion Channel (NDC) Outfall.

Temperature Program Summary

- Part I.C.1.f – Special Conditions, Compliance with Water Quality Standards

Discharges to Water Quality Impaired Water Bodies with an Approved TMDL Program

- Part I.C.2.b.(i) – Special Conditions, Compliance with Water Quality Standards
  - Compliance Monitoring Cooperative (CMC) Wet Season, Wet Weather Stormwater Monitoring Data Verification, Analysis Results Database, and Reporting Memo FY 2025 Wet Season (July 1, 2024 to Oct. 31, 2024).
  - Compliance Monitoring Cooperative (CMC) Dry Season, Wet Weather Stormwater Monitoring Data Verification, Analysis Results Database, and Reporting Memo FY 2025 Dry Season (Nov. 1, 2024 to June 30, 2025).

Discharges to Water Quality Impaired Water Bodies without an Approved TMDL Program Summary

- Part I.C.2.b.(ii) – Special Conditions, Compliance with Water Quality Standards
  - PFAS Sampling Guidance Memo from DBS&A, April 16, 2024.

Sediment Pollutant Load Reduction Program Summary

- Part I.C.3.b – Endangered Species Act (ESA) Requirements – Sediment Pollutant Load Reduction Strategy

Construction Site Stormwater Runoff Control Program Summary

- Part I.D.5.a – Construction Site Stormwater Runoff Control Program

NPDES Permit No. NMR04A000
AMAFCA FY 2025 MS4 Annual Report
Table of Contents

Post-Construction Stormwater Management Program Summary

- Part I.D.5.b – Post-Construction Stormwater Management in New Development and Re-development

Pollution Prevention/Good Housekeeping Program & Control of Floatables Program Summary

- Part I.D.5.c – Pollution Prevention/Good Housekeeping for Municipal/Co-permittee Operations and Part I.D.5.f – Control of Floatables Discharges

Illicit Discharges and Improper Disposal Program Summary

- Part I.D.5.e – Illicit Discharge and Improper Disposal
  - February 27, 2025 AMAFCA Board Meeting - AMAFCA Board of Directors Agenda and Memorandum Information Item on the Stormwater Quality Program Review of Illicit Discharge Detection and Elimination Minimum Control Measures (MCMs).

Public Education, Outreach, Involvement, and Participation Program Summary

- Part I.D.5.g – Public Education and Outreach on Stormwater Impacts and Part I.D.5.h – Public Involvement and Participation
  - July 25, 2024 AMAFCA Board Meeting - AMAFCA Board Memorandum Information Item and Presentation on the Stormwater Quality Fiscal Year 2024 Program Update.
  - September 26, 2024 AMAFCA Board Meeting - AMAFCA Board of Directors Agenda and Board Meeting Memorandum Information Items on the Stormwater Quality Program General Review of Minimum Control Measures and the 2024 StormCon Briefing.
  - November 21, 2024 AMAFCA Board Meeting – The AMAFCA Board of Directors Agenda and Stormwater Quality Education Coordinator Presentation of the Mid Rio Grande Stormwater Quality Team 2024 Program Review.
  - Mid Rio Grande Stormwater Quality Team (MRGSQT) Outcomes Report for Fiscal Year 2024-2025 (July 1, 2024 to June 30, 2025).

Dry Weather Discharge Screening Program

- Part III.A.2 – Dry Weather Discharge Screening of MS4
  - City of Albuquerque Dry Weather Screening of Outfalls 2025 Report.

Annual Report Format

National Pollutant Discharge Elimination System Stormwater Program
MS4 Annual Report Form

Check box if you are submitting an individual Annual Report with cooperative program elements ☒

Check box if you are submitting an individual Annual Report with individual program elements ☐

Check box if this is a new name, address, etc. ☐

1. MS4(s) Information

Albuquerque Metropolitan Arroyo Flood Control Authority (AMAFCA)
Name of MS4

Patrick	Chavez	Storm Water Quality Engineer
Name of Contact Person (First)	(Last)	(Title)

505-884-2215	pchavez@amafca.org
Telephone (including area code)	E-mail

2600 Prospect Ave. NE
Mailing Address

Albuquerque	NM	87107
City	State	ZIP code

What size population does your MS4(s) serve? 562,599 NPDES number NMR04A016

What is the reporting period for this report? (mm/dd/yyyy) From 07/01/2024 to 06/30/2025

2. Water Quality Priorities

A. Does your MS4(s) discharge to waters listed as impaired on a state 303(d) list? ☒ Yes ☐ No

B. If yes, identify each impaired water, the impairment, whether a TMDL has been approved by EPA for each, and whether the TMDL assigns a wasteload allocation to your MS4(s). Use a new line for each impairment, and attach additional pages as necessary.

Impaired Water	Impairment	Approved TMDL		TMDL assigns WLA to MS4	
Rio Grande (Isleta -Tijeras)	E. coli	☒ Yes	☐ No	☒ Yes	☐ No
Rio Grande (Isleta -Tijeras)	DO, PCBs & Hg-Fish Consumpti	☐ Yes	☒ No	☐ Yes	☐ No
Rio Grande (Tijeras - Alameda)	DO & Temperature	☐ Yes	☒ No	☐ Yes	☐ No
Rio Grande (Tijeras - Alameda)	PCBs & Hg-Fish Consumption	☐ Yes	☒ No	☐ Yes	☐ No

2. B. Continued

Impaired Water	Impairment	Approved TMDL		TMDL assigns WLA to MS4	
Rio Grande (Tijeras - Alameda)	E. coli	☒ Yes	☐ No	☒ Yes	☐ No
Rio Grande (Alameda - US550)	PCBs & Hg-Fish Consumption	☐ Yes	☒ No	☐ Yes	☐ No
Rio Grande (Alameda - US550)	Gross Alpha, adjusted & PCBs	☐ Yes	☒ No	☐ Yes	☐ No
Rio Grande (Alameda - US550)	E. coli	☒ Yes	☐ No	☒ Yes	☐ No

C. What specific sources contributing to the impairment(s) are you targeting in your stormwater program?

Pet waste (E. coli) within the watershed & potential low DO related to the NDC outfall.

D. Do you discharge to any high-quality waters (e.g., Tier 2, Tier 3, outstanding natural resource waters, or other state or federal designation)? ☐ Yes ☒ No

E. Are you implementing additional specific provisions to ensure their continued integrity? ☐ Yes ☒ No

3. Public Education and Public Participation

A. Is your public education program targeting specific pollutants and sources of those pollutants? ☒ Yes ☐ No

B. If yes, what are the specific sources and/or pollutants addressed by your public education program?

AMAFCA's programs target specific sources & pollutants, as required in MS4 Permit.

C. Note specific successful outcome(s) (e.g., quantified reduction in fertilizer use; NOT tasks, events, publications) fully or partially attributable to your public education program during this reporting period.

Please refer to the attached CMC program summary for lab results related to a successful sampling outcome.

D. Do you have an advisory committee or other body comprised of the public and other stakeholders that provides regular input on your stormwater program? ☒ Yes ☐ No

4. Construction

A. Do you have an ordinance or other regulatory mechanism stipulating:

Erosion and sediment control requirements? ☒ Yes ☐ No

Other construction waste control requirements? ☒ Yes ☐ No

Requirement to submit construction plans for review? ☒ Yes ☐ No

MS4 enforcement authority? ☒ Yes ☐ No

B. Do you have written procedures for:

Reviewing construction plans? ☒ Yes ☐ No

Performing inspections? ☒ Yes ☐ No

Responding to violations? ☒ Yes ☐ No

C. Identify the number of active construction sites ≥ 1 acre in operation in your jurisdiction at any time during the reporting period. 2

D. How many of the sites identified in 4.C did you inspect during this reporting period? 2

E. Describe, on average, the frequency with which your program conducts construction site inspections.

Inspections complied with CGP requirements for inspection frequency.

F. Do you prioritize certain construction sites for more frequent inspections? ☐ Yes ☒ No

If Yes, based on what criteria?

G. Identify which of the following types of enforcement actions you used during the reporting period for construction activities, indicate the number of actions, or note those for which you do not have authority:

☐ Yes	Notice of violation		No Authority	☒
☐ Yes	Administrative fines		No Authority	☒
☐ Yes	Stop Work Orders	0	No Authority	☐
☐ Yes	Civil penalties		No Authority	☒
☐ Yes	Criminal actions		No Authority	☒
☐ Yes	Administrative orders		No Authority	☒
☒ Yes	Other	SWPPP Inspections		

H. Do you use an electronic tool (e.g., GIS, data base, spreadsheet) to track the locations, inspection results, and enforcement actions of active construction sites in your jurisdiction? ☒ Yes ☐ No

I. What are the 3 most common types of violations documented during this reporting period?

Ineffective track out pads, routine maintenance of silt fencing, and turbidity testing for dewatering activites.

J. How often do municipal employees receive training on the construction program? As required w/ CGP updates

5. Illicit Discharge Elimination

A. Have you completed a map of all outfalls and receiving waters of your storm sewer system? ☒ Yes ☐ No

B. Have you completed a map of all storm drain pipes and other conveyances in the storm sewer system? ☒ Yes ☐ No

C. Identify the number of outfalls in your storm sewer system. 5

D. Do you have documented procedures, including frequency, for screening outfalls? ☒ Yes ☐ No

E. Of the outfalls identified in 5.C, how many were screened for dry weather discharges during this reporting period?

5 - All outfalls

F. Of the outfalls identified in 5.C, how many have been screened for dry weather discharges at any time since you obtained MS4 permit coverage? 5 - All outfalls

G. What is your frequency for screening outfalls for illicit discharges? Describe any variation based on size/type.

Typically, outfalls are visually screened monthly.

H. Do you have an ordinance or other regulatory mechanism that effectively prohibits illicit discharges? ☒ Yes ☐ No

I. Do you have an ordinance or other regulatory mechanism that provides authority for you to take enforcement action and/or recover costs for addressing illicit discharges? ☐ Yes ☒ No

J. During this reporting period, how many illicit discharges/illegal connections have you discovered? 3

K. Of those illicit discharges/illegal connections that have been discovered or reported, how many have been eliminated? All

L. How often do municipal employees receive training on the illicit discharge program? As required

6. Stormwater Management for Municipal Operations

A. Have stormwater pollution prevention plans (or an equivalent plan) been developed for:

All public parks, ball fields, other recreational facilities and other open spaces	☐ Yes	☒ No
All municipal construction activities, including those disturbing less than 1 acre	☒ Yes	☐ No
All municipal turf grass/landscape management activities	☐ Yes	☒ No
All municipal vehicle fueling, operation and maintenance activities	☒ Yes	☐ No
All municipal maintenance yards	☒ Yes	☐ No
All municipal waste handling and disposal areas	☒ Yes	☐ No

Other

B. Are stormwater inspections conducted at these facilities? ☒ Yes ☐ No

C. If Yes, at what frequency are inspections conducted? As required

D. List activities for which operating procedures or management practices specific to stormwater management have been developed (e.g., road repairs, catch basin cleaning).

Procedures have been developed for AMAFCA Operation, Maintenance, and Inspection activities.

E. Do you prioritize certain municipal activities and/or facilities for more frequent inspection? ☐ Yes ☒ No

F. If Yes, which activities and/or facilities receive most frequent inspections?

G. Do all municipal employees and contractors overseeing planning and implementation of stormwater-related activities receive comprehensive training on stormwater management? ☒ Yes ☐ No

H. If yes, do you also provide regular updates and refreshers? ☒ Yes ☐ No

I. If so, how frequently and/or under what circumstances? Typically on an annual basis.

7. Long-term (Post-Construction) Stormwater Measures

A. Do you have an ordinance or other regulatory mechanism to require:

Site plan reviews for stormwater/water quality of all new and re-development projects?	☒ Yes	☐ No
Long-term operation and maintenance of stormwater management controls?	☒ Yes	☐ No
Retrofitting to incorporate long-term stormwater management controls?	☒ Yes	☐ No

B. If you have retrofit requirements, what are the circumstances/criteria?

As required by the MS4 permit for post-construction stormwater quality volume.

C What are your criteria for determining which new/re-development stormwater plans you will review (e.g., all projects, projects disturbing greater than one acre, etc.)?

Review all private development with a connection, that may impact, and/or are located adjacent to AMAFCA facilities.

D. Do you require water quality or quantity design standards or performance standards, either directly or by reference to a state or other standard, be met for new development and re-development? ☒ Yes ☐ No

E. Do these performance or design standards require that pre-development hydrology be met for:

Flow volumes	☐ Yes	☒ No
Peak discharge rates	☒ Yes	☐ No
Discharge frequency	☒ Yes	☐ No
Flow duration	☐ Yes	☒ No

F. Please provide the URL/reference where all post-construction stormwater management standards can be found.

https://www.amafca.org

G. How many development and redevelopment project plans were reviewed during the reporting period to assess impacts to water quality and receiving stream protection? 346

H. How many of the plans identified in 7.G were approved? N/A

I. How many privately owned permanent stormwater management practices/facilities were inspected during the reporting period? N/A

J. How many of the practices/facilities identified in I were found to have inadequate maintenance? N/A

K. How long do you give operators to remedy any operation and maintenance deficiencies identified during inspections? N/A

L. Do you have authority to take enforcement action for failure to properly operate and maintain stormwater practices/facilities? ☐ Yes ☒ No

M. How many formal enforcement actions (i.e., more than a verbal or written warning) were taken for failure to adequately operate and/or maintain stormwater management practices? N/A

N. Do you use an electronic tool (e.g., GIS, database, spreadsheet) to track post-construction BMPs, inspections and maintenance? ☒ Yes ☐ No

O. Do all municipal departments and/or staff (as relevant) have access to this tracking system? ☒ Yes ☐ No

P. How often do municipal employees receive training on the post-construction program? As required

8. Program Resources

A. What was the annual expenditure to implement MS4 permit requirements this reporting period? $350,000

B. What is next year's budget for implementing the requirements of your MS4 NPDES permit? $360,000

C. This year what is/are your source(s) of funding for the stormwater program, and annual revenue (amount or percentage) derived from each?

Source:	Mill Levy Property Taxes	Amount $		OR % 100
Source:		Amount $		OR %
Source:		Amount $		OR %

D. How many FTEs does your municipality devote to the stormwater program (specifically for implementing the stormwater program; not municipal employees with other primary responsibilities)? 1

E. Do you share program implementation responsibilities with any other entities? ☒ Yes ☐ No

Entity	Activity/Task/Responsibility	Your Oversight/Accountability Mechanism
Various	Storm Water Quality Team (SWQT)	Signed Joint Agreement
Various	Technical Advisory Group (TAG)	Signed Joint Agreement
Various	Compliance Monitoring Coop. (CMC)	Signed Joint Agreement

9. Evaluating/Measuring Progress

A. What indicators do you use to evaluate the overall effectiveness of your stormwater management program, how long have you been tracking them, and at what frequency? These are not measurable goals for individual management practices or tasks, but large-scale or long-term metrics for the overall program, such as macroinvertebrate community indices, measures of effective impervious cover in the watershed, indicators of in-stream hydrologic stability, etc.

Indicator	Began Tracking (year)	Frequency	Number of Locations
Example: E. coli	2003	Weekly April–September	20
Various (EPA approved analyte list)	2016	Qualifying events (up to 7)	3
Various/EPA approved analyte list	2014	Wet weather, annually	8
Various/EPA approved analyte list	2021	Wet weather, annually	11
Please contact AMAFCA			
for additional information			

B. What environmental quality trends have you documented over the duration of your stormwater program? Reports or summaries can be attached electronically, or provide the URL to where they may be found on the Web.

Trends and data collected by CMC & AMAFCA has been provided to NMED for additional analysis.

10. Additional Information

Please attach any additional information on the performance of your MS4 program, including information required in Parts I.C and III.B. If providing clarification to any of the questions on this form, please provide the question number (e.g., 2C) in your response.

Certification Statement and Signature

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. ☒ Yes ☐ No

Federal regulations require this application to be signed as follows: **For a municipal, State, Federal, or other public facility**: by either a principal executive or ranking elected official.

Signature 

Kevin Troutman, Executive Director — Name of Certifying Official, Title

11/25/2025 — Date (mm/dd/yyyy)

NOI Section	ID	Permit Activity Description	Plan SWMP Rev. 7 - July 1, 2024	Measurable Goal SWMP Rev. 7 - July 1, 2024	Status of Implementation and Performance Assessment Permit Year July 2024 to June 2025 (FY 2025)
	3	**Part I.C - Special Conditions**			
	4	**Compliance with Water Quality Standards – General Requirements - Part I.C.1.a - c**			
Not Included in NOI	5	Part I.C.1 - Compliance with Water Quality Standards - Pursuant to Clean Water Act §402(p)(3)(B)(iii) and 40 CFR § 122.44(d)(1), this permit includes provisions to ensure that discharges from the permittee's MS4 do not cause or contribute to exceedances of applicable surface water quality standards, in addition to requirements to control discharges to the maximum extent practicable (MEP) set forth in Part I.D. Permittees shall address stormwater management through development of the SWMP that shall include the following elements and specific requirements included in Part VI (sections below).	Part I.C.1 - AMAFCA's proposed plan for compliance with related Permit activities are described in the applicable sections of the AMAFCA SWMP.	• AMAFCA's measurable goals for compliance with related Permit activities are described in the applicable sections of the AMAFCA SWMP.	**See specific Permit section and activity.**
Not Included in NOI	6	Part I.C.1.a - Permittee's discharges shall not cause or contribute to an exceedance of surface water quality standards (including numeric and narrative water quality criteria) applicable to the receiving waters. In determining whether the SWMP is effective in meeting this requirement or if enhancements to the plan are needed, the permittee shall consider available monitoring data, visual assessment, and site inspection reports.	Part I.C.1.a - Compare AMAFCA monitoring data results to applicable surface water quality standards that occur in the following programs: Compliance with Water Quality Standards - Dissolved Oxygen Program, Compliance with Water Quality Standards - PCB Program, Compliance with Water Quality Standards - Temperature Program, Compliance with Water Quality Standards - Discharges to Impaired Waters with Approved TMDL Program, and the Wet Weather Monitoring Program. Refer to these sections for additional information.	• Compare AMAFCA monitoring data results to applicable surface water quality standards that occur in the following programs: Compliance with Water Quality Standards - Dissolved Oxygen Program, Compliance with Water Quality Standards - PCB Program, Compliance with Water Quality Standards - Temperature Program, Compliance with Water Quality Standards - Discharges to Impaired Waters with Approved TMDL Program, and the Wet Weather Monitoring Program. • AMAFCA's measurable goals for compliance with related Permit activities are described in the applicable sections of the AMAFCA SWMP.	**See specific Permit section and activity.**
Not Included in NOI	7	Part I.C.1.b - Applicable surface water quality standards for discharges from the permittees' MS4 are those that are approved by EPA and any other subsequent modifications approved by EPA upon the effective date of this permit found at New Mexico Administrative Code §20.6.4. Discharges from various portions of the MS4 also flow downstream into waters with Pueblo of Isleta and Pueblo of Sandia Water Quality Standards.	Part I.C.1.b - Compare AMAFCA monitoring data results to the applicable New Mexico Administrative Code §20.6.4, Pueblo of Isleta Water Quality Standards (amended on 3/18/2002, effective 7/22/2005 per EPA website), and Pueblo of Sandia Water Quality Standards (effective 3/9/2010). Compare AMAFCA monitoring data results to applicable surface water quality standards that occur in the following programs: Compliance with Water Quality Standards - Dissolved Oxygen Program, Compliance with Water Quality Standards - PCB Program, Compliance with Water Quality Standards - Temperature Program, Compliance with Water Quality Standards - Discharges to Impaired Waters with Approved TMDL Program, and the Wet Weather Monitoring Program. Refer to these sections for additional information.	• Compare AMAFCA monitoring data results to applicable surface water quality standards that occur in the following programs: Compliance with Water Quality Standards - Dissolved Oxygen Program, Compliance with Water Quality Standards - PCB Program, Compliance with Water Quality Standards - Temperature Program, Compliance with Water Quality Standards - Discharges to Impaired Waters with Approved TMDL Program, and the Wet Weather Monitoring Program. • AMAFCA's measurable goals for compliance with related Permit activities are described in the applicable sections of the AMAFCA SWMP.	**See specific Permit section and activity.**
Not Included in NOI	8	Part I.C.1.c - The permittee shall notify EPA and the Pueblo of Isleta in writing as soon as practical but not later than 30 calendar days following each Pueblo of Isleta water quality standard exceedance at an in-stream sampling location. In the event that EPA determines that a discharge from the MS4 causes or contributes to an exceedance of applicable surface water quality standards and notifies the permittee of such an exceedance, the permittee shall, within sixty (60) days of notification, submit to EPA, NMED, Pueblo of Isleta (upon request) and Pueblo of Sandia (upon request), a report that describes controls that are currently being implemented and additional controls that will be implemented to prevent pollutants sufficient to ensure that the discharge will no longer cause or contribute to an exceedance of applicable surface water quality standards. The permittee shall implement such additional controls upon notification by EPA and shall incorporate such measures into their SWMP as described in Part I.D of this permit. NMED or the affected Tribe may provide information documenting exceedances of applicable water quality standards caused or contributed to by the discharges authorized by this permit to EPA Region 6 and request EPA take action under this paragraph.	Part I.C.1.c - AMAFCA will notify EPA and the Pueblo of Isleta of any Pueblo of Isleta of water quality standard exceedances at an in-stream sampling location (within the Rio Grande). Notification will be in writing as soon as practicable. Lab reports are typically received within 45 days of a sampling event. Preliminary review of the results typically requires 5 days. AMAFCA will include requirements to their contractors to review and report in-stream exceedances in a timely manner so that AMAFCA can better meet this requirement. AMAFCA will notify EPA and the Pueblo of Isleta within 30 days of the data review to determine a Pueblo of Isleta water quality standard exceedance at an in-stream (within the Rio Grande) sampling location. The Permit is unclear if this notification is required just for MS4 Permit compliance sampling, or if this includes results from other monitoring, such as citizen science projects. AMAFCA will provide this notification for in-stream samples that AMAFCA is involved with sampling, that result in a Pueblo of Isleta water quality standard exceedance. In addition, AMAFCA will continue to use sondes in the Rio Grande to monitor DO and temperature (refer to the Compliance with Water Quality Standards - Dissolved Oxygen (DO) Program). AMAFCA will continue to provide Isleta Pueblo with access to the real-time DO and temperature sonde data.	• AMAFCA will notify EPA and the Pueblo of Isleta of any Pueblo of Isleta water quality standard exceedances at an in-stream sampling location (within the Rio Grande). Notification will be in writing as soon as practicable. • AMAFCA will add the in-stream notification of Pueblo of Isleta water quality standard exceedance to monitoring reporting tasks with sub-consultants to ensure that results are reviewed and reported in a timely manner. • AMAFCA will continue to use sondes in the Rio Grande to monitor DO and temperature (refer to the Compliance with Water Quality Standards - Dissolved Oxygen Program). AMAFCA will continue to provide Isleta Pueblo with access to the real-time DO and temperature sonde data.	**Met FY 2025 Goals.** • AMAFCA continued to make access available to Isleta Pueblo to the real-time DO and temperature sonde data.

NOI Section	ID	Permit Activity Description	Plan SWMP Rev. 7 - July 1, 2024	Measurable Goal SWMP Rev. 7 - July 1, 2024	Status of Implementation and Performance Assessment Permit Year July 2024 to June 2025 (FY 2025)
	9	**Compliance with Water Quality Standards – Dissolved Oxygen & Part I.C.1.d and Endangered Species Act (ESA) Requirements - Dissolved Oxygen Strategy - Part I.C.3.a**			
Not Included in NOI	10	According to the requirements in Part I.C.1.d and Part I.C.3.a.(ii), the permittees shall revise the May 1, 2012 Strategy to continue taking measures to address concerns regarding discharges to the Rio Grande by implementing controls to eliminate conditions that cause or contribute to exceedances of applicable dissolved oxygen water quality standards in waters of the United States. The permittee shall, as part of this revised strategy, complete the following activities [activities are listed in sections below]. Activities listed are a combination of permit activities in Part I.C.1.d - Special Conditions, Compliance with Water Quality Standards, Phase I Dissolved Oxygen Program and Part I.C.3.a - Dissolved Oxygen Strategy in Receiving Waters of the Rio Grande.	Part I.C.1.d and Part I.C.3.a.(ii) - The potential for low DO discharges to the Rio Grande at the NDC Embayment has been a concern which AMAFCA has been addressing, with the USFWS and EPA, since 2004. Several strategies, including various NDC Embayment modifications, have been implemented from 2011-2014. In 2015-2016, AMAFCA completed construction, after coordination with USFWS, of the NDC Outfall Grade Control Structures Modification Project and NDC Embayment Regrading Project. The NDC Embayment was filled in and regraded in 2015-2016, thereby removing the constant hydraulic connection between the Rio Grande and the NDC Bathtub/Outfall. In normal river flow conditions, water from the Rio Grande will not be able to stagnate in the Embayment and create low DO conditions. These improvement projects provide control measures to eliminate conditions that cause or contribute to exceedances of applicable DO water quality standards. These NDC projects and this Dissolved Oxygen Program Strategy were coordinated with the USFWS. AMAFCA received a Final BO from the USFWS and Special Conditions from USACE allowing the NDC Embayment to be filled in and revegetated.	• AMAFCA has completed the NDC Outfall Grade Control Structures Modification Project to fill in and revegetate the NDC Embayment and will continue following the terms of the Final BO from the USFWS and Final Special Conditions from USACE. This project is the revised strategy for the MS4 Permit elements related to DO.	**Met FY 2025 Goals.** • The efforts for the NDC Outfall and Special Conditions from USACE were completed in FY 2023. Details are provided in the Dissolved Oxygen Program Summary for the Annual Report.
Not Included in NOI	11	Part I.C.1.d.(i) and Part I.C.3.a.(i) - Identify (or continue identifying) structural elements, natural or man-made topographical and geographical formations, MS4 operations activities, or oxygen demanding pollutants contributing to reduced dissolved oxygen in the receiving waters of the Rio Grande. Both dry and wet weather discharges shall be addressed. Assessment may be made using available data or collecting additional data;	Part I.C.1.d.(i) and Part I.C.3.a.(i)- The NDC Outfall/Embayment is the primary structural element identified by AMAFCA, City of Albuquerque, EPA, and USFWS as potentially contributing to low dissolved oxygen (DO) in the receiving waters of the Rio Grande. This Dissolved Oxygen Strategy is primarily focused on addressing this element. No other specific structural elements in the watershed have been identified as contributing to reduced DO in the receiving waters of the Rio Grande. Other stormwater outfalls, including the South Diversion Channel/Tijeras Arroyo, Calabacillas Arroyo, San Antonio Arroyo, will continue to be monitored. AMAFCA will continue to operate sondes in the Rio Grande deployed for monitoring DO and temperature. The sonde locations throughout the length of the Rio Grande through the UA will assist AMAFCA with bracketing segments of the Rio Grande to better understand elements that may be contributing to reduced DO in the receiving waters of the Rio Grande. DO results from AMAFCA monitoring efforts will assist AMAFCA in determining if there are other elements that may be contributing to reduced DO in the receiving waters of the Rio Grande. AMAFCA will update its SWMP if any other specific structural elements in the watershed are identified as contributing to reduced DO in the receiving waters of the Rio Grande.	• AMAFCA will follow the monitoring measurable goals in Part I.C.1.d.(iii) below. • Related to identifying structural elements in the watershed that may be contributing to reduced DO, AMAFCA will continue to use sondes in the Rio Grande to monitor DO and temperature; the sonde data will provide valuable data related to potential DO - stormwater related connections.	**Met FY 2025 Goals.** • In FY 2025, related to identifying structural elements in the watershed that may be contributing to reduced DO, AMAFCA operated three sondes, given safe flow conditions, in the Rio Grande (Sandia Pueblo Boundary, Central Ave., and Isleta Pueblo Boundary). Additional details on the sonde monitoring are available below and in the Dissolved Oxygen Program Summary for the Annual Report. This activity was updated during FY 2025 in conjunction with modifications to AMAFCA SWMP Rev. 7. • Related to identifying structural elements in the watershed that may be contributing to reduced DO, AMAFCA collected and analyzed DO data from stormwater samples collected for the MS4 program (cooperative monitoring and AMAFCA monitoring). Details on this monitoring are provided in the Dissolved Oxygen Program Summary for the Annual Report.
Not Included in NOI	12	Part I.C.1.d.(ii) - Continue implementing controls, and updating/revising as necessary, to eliminate structural elements or the discharge of pollutants at levels that cause or contribute to exceedances of applicable water quality standards for dissolved oxygen in waters of the United States;	Part I.C.1.d.(ii) - The primary controls for this DO Program are the NDC Outfall Grade Control Structures Modification Project and Embayment Grading Project. The water quality improvement goal for the NDC Outfall Grade Control Structures Modification Project is to improve maintenance operations, thereby improving efficiency of sediment, trash and debris removal due to better access and improved geometry. The NDC Embayment Regrading Project, as discussed above, removes the constant hydraulic connection between the Rio Grande and the NDC Bathtub/Outfall. These improvement projects provide control measures to mitigate conditions that cause or contribute to exceedances of applicable DO WQSs. In addition to the NDC Outfall and Embayment Projects, AMAFCA will continue to install stormwater quality structures within the watershed. AMAFCA plans, designs, and builds regional stormwater BMPs throughout the watershed to help eliminate the discharge of pollutants that cause or contribute to exceedances of applicable water quality standards for DO in waters of the Rio Grande. Pollutant source reduction strategies, such as public education and encouragement of GI/LID, are also part of the ongoing controls for this Program. AMAFCA actively participates in the MRGSQT, which organizes and leads public education, outreach, involvement, and participation activities which relate to this Program.	• AMAFCA will continue to plan, design, and build structural BMPs (regional water quality structures) throughout the MRG watershed. • AMAFCA will continue to contribute and participate in the MRGSQT which provides public education, outreach, and participation opportunities related to stormwater impacts to water quality.	**Met FY 2025 Goals.** • AMAFCA continued to use floating booms in the NDC Outfall to assist with trash and debris collection. Removal of trash and debris will assist with mitigating low DO issues in this area. • AMAFCA continued to plan, design, and build structural BMPs (regional water quality structures) throughout the MRG watershed. Refer to the Construction Control Measure and the Post Construction Control Measure for additional information. • AMAFCA continued to contribute and participate in the Middle Rio Grande Stormwater Quality Team (MRGSQT) - refer to the Public Education and Outreach Control Measure and the Public Involvement and Participation Control Measure for additional information.

NOI Section	ID	Permit Activity Description	Plan SWMP Rev. 7 - July 1, 2024	Measurable Goal SWMP Rev. 7 - July 1, 2024	Status of Implementation and Performance Assessment Permit Year July 2024 to June 2025 (FY 2025)
Not Included in NOI	13	Part I.C.1.d.(iii) Continue sampling for DO and temperature in the North Diversion Channel (NDC) Embayment until the data indicate the discharge does not exceed applicable DO water quality standards in waters of the United States. This coincides with the requirements in Part I.C.3.a.(ii).(a), the revised strategy shall include: A. A Monitoring Plan describing all procedures necessary to continue conducting continuous monitoring of DO and temperature in the NDC Embayment and at 1 location in the Rio Grande downstream of the mouth of the NDC within the action area (e.g., Central Bridge). B. A Quality Assurance and Quality Control (QA/QC) Plan describing all standard operating procedures, quality assurance and quality control plans, maintenance and implementation schedules that will assure timely and accurate collection and reporting of water temperature, DO, oxygen saturation, and flow. The QA/QC plan should include all procedures for estimating oxygen data when any oxygen monitoring equipment fail.	Part I.C.1.d.(iii) - With the NDC Embayment filled in since 2016, AMAFCA cannot physically measure the DO in the Embayment. AMAFCA will provide continuous monitoring of DO and temperature (using sondes) in the Rio Grande at the most appropriate locations for the purpose of complying with the MS4 Permit requirements in Part I.C.1.d.(iii) and Part I.C.3.a.(ii).(a). The sonde locations throughout the stretch of the Rio Grande through the Urbanized Area (UA) will assist AMAFCA with bracketing segments of the Rio Grande to better understand locations of elements that may be contributing to reduced DO in the receiving waters of the Rio Grande. For compliance with this Permit Activity, AMAFCA will deploy sondes to provide continuous DO, oxygen saturation, and temperature monitoring; sondes are currently located at the following locations: - Rio Grande at Sandia Pueblo Boundary (just above the confluence with the NDC outfall) - Rio Grande at Central Ave. Bridge - Rio Grande at the Isleta Dam Note - sonde locations may change based on the results and program needs as well as river stage. Part I.C.3.a.(ii).(a).A and B - For the sonde monitoring, AMAFCA has standard operating procedures, quality assurance plans, maintenance, and implementation schedules in place.	• For compliance with this Permit Activity, AMAFCA will deploy sondes in the most appropriate locations to provide continuous DO and temperature monitoring. • AMAFCA will continue following the standard operating procedures, quality assurance plans, maintenance, and implementation schedules that are in place for the sonde monitoring. AMAFCA will continue to pursue, as applicable, data collection and reporting improvements to this program. • AMAFCA will continue to provide Isleta Pueblo with access to the real-time DO and temperature sonde data.	**Met FY 2025 Goals.** • Related to the NDC Embayment monitoring, AMAFCA deployed three sondes to provide continuous DO, pH, water depth, turbidity, and temperature monitoring at the following locations: Sandia Pueblo Boundary, Central Ave., and Isleta Dam. Additional details on the sonde program and results are provided in the In-Stream Water Quality Memos, which are available upon request. Use of sondes in the Rio Grande have physical challenges often related to river stage that make the measurement, monitoring, and maintenance difficult as well as time/staff intensive. There are times when the sonde data is not available due to river stage as well as maintenance and other issues with the equipment. This activity was updated during FY 2025 in conjunction with modifications to AMAFCA SWMP Rev. 7. • AMAFCA and monitoring consultants followed the standard operating procedures, quality assurance plan, maintenance, and implementation schedules that are in place for the sonde monitoring. • In FY 2025, AMAFCA continued to operate real-time telemetry capabilities to these sondes allowing AMAFCA to be aware of sonde issues in real time, resulting in less data gaps. AMAFCA continued to make access available to Isleta Pueblo to the real-time sonde data in an effort to improve data sharing and coordination with watershed stakeholders.
Not Included in NOI	14	Part I.C.1.d.(iv) Submit a revised strategy to FWS for consultation and EPA for approval within a year of the effective date of the permit and progress reports with the subsequent annual reports. Progress reports to include: (a) Summary of data. (b) Activities undertaken to identify MS4 discharge contribution to exceedances of applicable dissolved oxygen water quality standards in waters of the United States. Including summary of findings of the assessment required in Part I.C.1.d.(i). (c) Conclusions drawn, including support for any determinations. (d) Activities undertaken to eliminate MS4 discharge contribution to exceedances of applicable dissolved oxygen water quality standards in waters of the United States. (e) Account of stakeholder involvement. Part I.C.3.a.(i) - The permittees shall submit a summary of findings and a summary of activities undertaken with each Annual Report. The SWMP submitted with the first and fourth annual reports must include a detailed description of controls implemented (or/and proposed control to be implemented) along with corresponding measurable goals. (Applicable to all permittees).	Part I.C.1.d.(iv) - AMAFCA completed the NDC project in 2016 to fill in and revegetate the NDC Embayment following the terms of the Final BO from the USFWS and Final Special Conditions from USACE. USFWS was consulted during this project and made aware of the revised strategy. The AMAFCA MS4 Annual Report and supporting documentation will be considered as the Progress Report. A separate progress report will not be submitted to EPA and USFWS. The MS4 Annual Report will include the Annual Incidental Take Report as an Attachment to the Annual Report. Part I.C.3.a.(i) - The Annual Report will include a summary of example activities undertaken to identify elements contributing to reduced dissolved oxygen in the receiving waters of the Rio Grande and changes or improvements to the Strategy for implementation of controls to eliminate exceedances of applicable water quality standards for dissolved oxygen in waters of the United States.	• AMAFCA completed the NDC Outfall Grade Control Structures Modification Project to fill in and revegetate the NDC Embayment following the terms of the Final BO from the USFWS and Final Special Conditions from USACE. • AMAFCA will complete the Incidental Take Report and follow the Incidental Take Reporting requirements and data submittal requirements. • AMAFCA will include a summary of example activities in each Annual Report. AMAFCA will incorporate documentation by reference into the Annual Report and plans to document progress on the AMAFCA website.	**Met FY 2025 Goals.** • Refer to ID #10 above for information related to the USACE Regional General Permit. The efforts for the NDC Outfall and USACE were completed in FY 2023. Details on this are provided in the Dissolved Oxygen Program Summary for the Annual Report. • AMAFCA completed the Annual Incidental Take analysis and this is included in the Dissolved Oxygen Program Summary for the Annual Report. AMAFCA followed a procedure for completing this Annual Incidental Take Report to ensure the current MS4 Permit requirements were met and that this report is consistently completed each year. This procedure is available upon request. • AMAFCA has completed this section of the Annual Report to serve as a progress report for this Permit element.

NOI Section	ID	Permit Activity Description	Plan SWMP Rev. 7 - July 1, 2024	Measurable Goal SWMP Rev. 7 - July 1, 2024	Status of Implementation and Performance Assessment Permit Year July 2024 to June 2025 (FY 2025)
Not Included in NOI	15	According to the requirements in Part I.C.3.a.(ii), the permittees shall ensure that actions to reduce pollutants or remedial activities selected for the NDC Embayment and its watershed are implemented such that there is a reduction in frequency and magnitude of all low oxygen stormwater discharge events that occur in the Embayment or downstream in the MRG as indicated in Table 1.c. Actions to meet the year 3 measurable goals must be taken within 2 years from the effective date of the permit. Actions to meet the year 5 measurable goals must be taken within 4 years from the effective date of the permit.	Part I.C.3.a.(ii) - The result of removing the NDC Embayment and hydraulically disconnecting the NDC stormwater flows from the Rio Grande will minimize low DO conditions at this location. The Embayment has had historical issues with stagnate ponded water creating low DO conditions. The monitoring activities described above will be used to assess that the Embayment project functions as planned and that low DO conditions are reduced in both frequency and magnitude.	• AMAFCA will obtain DO monitoring results for "qualifying events" as defined by USFWS with the MS4 Permit measurable goals as listed in Table 1.c , using the table in Appendix G in the MS4 Permit.	**Met FY 2025 Goals.** • AMAFCA continued to use the MS4 Permit measurable goal analysis and reporting in the Annual Incidental Take Report, and this is included in the Dissolved Oxygen Program Summary for the Annual Report. In addition, AMAFCA followed the procedure for completing this analysis to ensure the current MS4 Permit requirements were met and that this report is consistently completed each year. • From the AMAFCA FY 2025 In-Stream Water Quality Monitoring Memos, which report on the AMAFCA sonde data, there were no instances at any location that the DO fell slightly below 5 mg/L related to storm events within the watershed; refer to the Dissolved Oxygen Program Summary for additional information.
Not Included in NOI	16	According to the requirements in Part I.C.3.a.(ii).(b), the permittees (COA and AMAFCA) shall provide: A. An Annual Incidental Take Report to EPA and the Service that includes the following information: beginning and end date of any qualifying stormwater events, DO values and water temperature in the NDC Embayment, DO values and water temperature at a downstream monitoring station in the MRG, flow rate in the NDC, mean daily flow rate in the MRG, evaluation of oxygen and temperature data as either anoxic or hypoxic using Table 2 of the BO, and estimate the number of silvery minnows taken based on Appendix A of the BO. Electronic copy of The Annual Incidental Take Report should be provided with the annual report required under Part III.B no later than December 1 for the proceeding calendar year.	Part I.C.3.a.(ii).(b).A - AMAFCA will complete the Incidental Take Report, which estimates the potential Rio Grande Silvery Minnow (RGSM) take using the method defined by USFWS for the BO (MRG Watershed Permit BO dated August 21, 2014 - Cons. #22420-2011-F-0024-R001). Using the BO procedure, AMAFCA will determine or measure, as technically feasible, the necessary data elements required for calculation of the predicted incidental takes during qualifying storm events. The definition of a qualifying storm event (for this Permit Activity) may be reassessed for NDC Outfall and Embayment area. This activity may require additional follow-up with the EPA and the USFWS. The Annual Incidental Take Report will be provided with each Annual Report.	• AMAFCA will complete the Annual Incidental Take Report. • AMAFCA will provide EPA and USFWS with a copy of the Annual Incidental Take Report with each Annual Report submitted no later than December 1st for the preceding calendar year, as required under Part III.B.	**Met FY 2025 Goals.** • The Annual Incidental Take Report was completed to meet the Dec. 1, 2025 deadline for the Annual Report and is provided in the Dissolved Oxygen Program Summary.
Not Included in NOI	17	According to the requirements in Part I.C.3.a.(ii).(b), the permittees (COA and AMAFCA) shall provide: B. A summary of data and findings with each annual report to EPA and the FWS. All data collected (including provisional oxygen and water temperature data, and associated metadata), transferred, stored, summarized, and evaluated shall be included in the annual report. If additional data is requested by EPA or the FWS, COA and AMAFCA shall provide such information within two weeks upon request. The revised strategy required under Part I.C.3.a.(ii),the Annual Incidental Take Reports required under Part I.C.3.a.(ii).(b).A, and annual reports required under Part III.B can be submitted to FWS via e-mail nmesfo@fws.gov and Joel lusk@fws.gov, or by mail to the New Mexico Ecological Services field office, 2105 Osuna Road NE, Albuquerque, New Mexico 87113. [Note - as of July 2022, Debra Hill is the new contact at USFWS.]	Part I.C.3.a.(ii).(b).B - AMAFCA will provide EPA and USFWS with the necessary data elements required for calculation of the predicted incidental takes during qualifying storm events and the Annual Incidental Take Report, required under Part I.C.3.a.(ii).(b).A. If additional data is requested by EPA or the USFWS, AMAFCA will provide requested information within two (2) weeks upon request. AMAFCA will assess the DO on the same time frame as the MS4 Permit requires for the Annual Report – July 1 to June 30. Each Annual Report will be submitted no later than December 1 for the preceding calendar year, as required under Part III.B.	• AMAFCA will provide EPA and USFWS the required data and information with each Annual Report submittal, required under Part III.B, no later than December 1 for the proceeding calendar year.	**Met FY 2025 Goal.** • AMAFCA submitted AMAFCA's FY 2025 MS4 Annual Report with the Dissolved Oxygen Program Summary, the Incidental Take results, and applicable In-Stream Water Quality Monitoring (sonde) memos, as required under Part III.B.

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	18	**Compliance with Water Quality Standards – PCBs - Part I.C.1.e**			
Not Included in NOI	19	According to the requirements in Part I.C.1.e, the permittee shall address concerns regarding PCBs in channel drainage areas specified in Part I.C.1.e.(vi) by developing or continue updating/revising and implementing a strategy to identify and eliminate controllable sources of PCBs that cause or contribute to exceedances of applicable water quality standards in waters of the United States. COA and AMAFCA shall submit a progress report with the first and with the subsequent annual reports.	Part I.C.1.e - The results from the 2012-2014 monitoring of the NDC watershed indicated the presence of PCBs at the Grantline and N. Camino Inlets. Based on the data, MS4 partners concluded that there are no "hot spots" in the municipal area that are continuing to produce PCBs with the possible exception of the Grantline and N. Camino watersheds. In 2014-2017, AMAFCA continued activities to identify and eliminate controllable sources of PCBs specific to these two channels. A water quality consultant was tasked with reviewing and assessing all past PCB data for the NDC, identifying commercial and industrial properties that may have contributed PCBs to the North Camino and the Grantline Channel, researching past PCB releases from PNM in these areas, and providing additional PCB monitoring activity recommendations. In addition, a Field Sampling Plan (FSP), Sampling Analysis Plan (SAP), and a Quality Assurance Project Plan (QAPP) for soil and sediment sampling were developed. Sediment sampling and analysis for PCBs in the North Camino and the Grantline Channel were provided to NMED for consultation and direction. Based on the data collection and analysis results from the first five (5) years of the MS4 Permit term (2014-2019), AMAFCA has met its goals and objectives related to the PCB investigation and no further PCB sampling by AMAFCA is anticipated. If future PCB sampling is needed, AMAFCA will utilize the developed FSP, SAP, and QAPP and coordinate with EPA, NMED, and other MS4s, as applicable.	• Based on the data collection and analysis results from the first five (5) years of the MS4 Permit term (2014-2019), AMAFCA has met its goals and objectives related to the PCB investigation and no further PCB sampling by AMAFCA is anticipated. If future PCB sampling is needed, AMAFCA will utilize the developed FSP, SAP, and QAPP and coordinate with EPA, NMED, and other MS4s, as applicable.	**Met FY 2025 Goals.** • As reported to EPA in 2018, after considering the analyses completed over the 5 year period (2014-2019), AMAFCA has met its goals and objectives related to the PCB investigation and no additional PCB sampling and analysis by AMAFCA, in the Grantline or North Camino Watersheds, was completed in FY 2019. If future PCB sampling is needed, AMAFCA will utilize the developed FSP, SAP, and QAPP and coordinate with EPA, NMED, and other MS4s, as applicable.
Not Included in NOI	20	Part I.C.1.e - The progress reports shall include: (i) Summary of data. (ii) Findings regarding controllable sources of PCBs in the channel drainages area specified in Part I.C.1.e.(vi) that cause or contribute to exceedances of applicable water quality standards in waters of the US via the discharge of municipal stormwater. (iii) Conclusions drawn, including supporting information for any determinations. (iv) Activities undertaken to eliminate controllable sources of PCBs in the drainage areas specified in Part I.C.1.e. (vi) that cause or contribute to exceedances of applicable water quality standards in waters of the US via the discharge of municipal stormwater including proposed activities that extend beyond the 5 year permit term. (v) Account of stakeholder involvement in the process. (vi) Channel Drainage Areas: The PCB strategy required in Part I.C.1.e is only applicable to: COA and AMAFCA Areas: San Jose Drain and North Diversion Channel. Bernalillo County Areas: Adobe Acres Drain, Alameda Outfall Channel, Paseo del Norte Outfall Channel, and Sanchez Farm Drainage Area.	Part I.C.1.e - Based on ownership responsibilities, COA will continue to take the lead regarding follow-up PCB permit activities on the SJD, and AMAFCA will continue to take the lead on follow-up PCB permit activities on the NDC. Bernalillo County will take the lead on Adobe Acres Drain, Alameda Outfall Channel, Paseo del Norte Outfall Channel, and Sanchez Farm Drainage Area, as assigned in the MS4 Permit. Based on the data collection and analysis results from the first five (5) years of the MS4 Permit term (2014-2019), AMAFCA has met its goals and objectives related to the PCB investigation and no further PCB sampling by AMAFCA is anticipated. Results from any continued study will be provided to NMED for consultation and direction. If future PCB sampling is needed, AMAFCA will utilize the developed FSP, SAP, and QAPP and coordinate with EPA, NMED, and other MS4s, as applicable. Compliance Monitoring Cooperative (CMC) monitoring is required until a new MS4 Permit is issued. However, the CMC members will evaluate and may choose to continue sampling to support their MS4 program needs during administrative continuance. CMC monitoring would include collecting samples, and screening for PCBs, at two (2) locations within the Rio Grande - one upstream of the MS4 and one downstream of the MS4. This program uses Method 1668 for testing PCBs. Monitoring results obtained from the CMC stormwater quality monitoring are available upon request.	• Based on the data collection and analysis results from the first five (5) years of the MS4 Permit term (2014-2019), AMAFCA has met its goals and objectives related to the PCB investigation and no further PCB sampling by AMAFCA is anticipated. If future PCB sampling is needed, AMAFCA will utilize the developed FSP, SAP, and QAPP and coordinate with EPA, NMED, and other MS4s, as applicable. • Results from any continued study will be provided to NMED. The Annual Report will serve as the progress report for additional PCB findings, if applicable. AMAFCA will incorporate documentation by reference into the Annual Report and plans to document progress on the AMAFCA website.	**Met FY 2025 Goals.** • For AMAFCA's internal stormwater quality monitoring program, during the FY 2025 wet season (July 2024 - October 2024), stormwater samples from three (3) of the AMAFCA monitoring locations were screened for PCBs; all the PCB screening results were reported as not detected. AMAFCA's internal stormwater monitoring program also collected three (3) stormwater samples in the FY 2025 dry season (November 2024 to June 2025) that were screened for PCBs, and all sample results were reported as Not Detected (ND). The watershed screening utilized Method 608 with the understanding that if results are detected with the screening method, AMAFCA would then sample and test with Method 1668. The monitoring reports are available upon request.
Not Included in NOI	21	Part I.C.1.e.(vi) - A cooperative strategy to address PCBs in the COA, AMAFCA and Bernalillo County's drainage areas may be developed between Bernalillo County, AMAFCA, and COA. If a cooperative strategy is developed, the cooperative strategy shall be submitted to EPA within three (3) years from the effective date of the permit and submit a progress report with the fourth and with subsequent annual reports, Note: COA and AMAFCA must continue implementing the existing PCB strategy until a new Cooperative PCB Strategy is submitted to EPA.	Part I.C.1.e.(vi) - An updated cooperative strategy, if warranted, will be discussed with COA, AMAFCA, and Bernalillo County through the cooperative MS4 Technical Advisory Group (MS4 TAG). If a cooperative strategy is agreed to, work will begin to develop an agreement and develop a cooperative strategy to submit to EPA.	• AMAFCA will discuss the updated cooperative strategy option, if warranted, with COA and Bernalillo County through the cooperative MS4 TAG.	**Met FY 2025 Goal.** • Given that AMAFCA has already met the required goals and objectives for compliance under the Permit, AMAFCA continued discussing the cooperative strategy option with COA and Bernalillo County through the cooperative MS4 TAG. PCB study plans and results within the watershed were discussed and shared between AMAFCA, COA, and Bernalillo County.

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	22	**Compliance with Water Quality Standards – Temperature - Part I.C.1.f**			
Not Included in NOI	23	According to the requirements in Part I.C.1.f, the permittees must continue assessing the potential effect of stormwater discharges in the Rio Grande by collecting and evaluating additional data. If the data indicates there is a potential of stormwater discharges contributing to exceedances of applicable temperature water quality standards in waters of the United States, within 30 days such as findings, the permittees must develop and implement a strategy to eliminate conditions that cause or contribute to these exceedances. If the data indicates there is a potential of stormwater discharges contributing to exceedances of applicable temperature water quality standards in waters of Rio Grande, within 30 days such as findings, the permittees must develop and implement a strategy to eliminate conditions that cause or contribute to these exceedances.	Part I.C.1.f - AMAFCA and the original MS4 co-permittees (COA, NMDOT, and UNM) under MS4 Permit No. NMS000101 do not believe that stormwater discharges adversely affect temperature in the Rio Grande. In order to prove this assertion, temperature data from 1982 to 2012 was assembled and analyzed. This data analysis proved the assertion that the receiving waters of the Rio Grande are not adversely affected by the temperature of stormwater from the Albuquerque MS4. This data was presented in an initial report that was submitted to EPA on May 1, 2012. However, to meet the MS4 Permit requirements, AMAFCA continued assessing the potential effect of stormwater discharges in the Rio Grande by collecting and evaluating additional temperature data. From 2012 to 2017, temperature monitoring never showed a temperature exceedance at any of the monitoring locations in the watershed or in the river.	• AMAFCA's measurable goals for compliance with the Permit activities are described in the sections below.	**See specific Permit activity below.**
Not Included in NOI	24	The strategy must include: Part I.C.1.f.(i) - Identify structural controls, post construction design standards, or pollutants contributing to raised temperatures in the receiving waters of the Rio Grande. Both dry and wet weather discharges shall be addressed. Assessment may be made using available data or collecting additional data; Part I.C.1.f.(ii) - Develop and implement controls to eliminate structural controls, post construction design standards, or the discharge of pollutants at levels that cause or contribute to exceedances of applicable water quality standards for temperature in waters of the United States; and	Part I.C.1.f.(i) - AMAFCA has data supporting the fact that stormwater discharges do not adversely affect temperature in the Rio Grande. Assessment continues using temperature data collected in the Rio Grande using sondes (sondes are part of the Dissolved Oxygen - Compliance with Water Quality Standards and Endangered Species Act MS4 Permit program requirements). The sondes in the Rio Grande have real-time telemetry capabilities. The sonde locations throughout the length of the Rio Grande through the UA will assist AMAFCA with bracketing segments of the Rio Grande to better understand elements that may be contributing to high temperatures in the receiving waters of the Rio Grande. Part I.C.1.f.(ii) - If the temperature data trends begins to indicate that stormwater discharges are adversely affecting temperature in the Rio Grande, AMAFCA will develop a strategy to understand the causes and contributions. If this occurs, AMAFCA will work with COA in developing this strategy as it relates to the watershed. It is anticipated that development of controls will be a part of the strategy. The 30 day timeline in the MS4 Permit is not long enough to develop and implement a watershed wide strategy; AMAFCA and COA will work with EPA, as needed, to develop a reasonable time frame.	• Temperature data will continue to be collected in the Rio Grande using sondes. The sonde data will be available upon request.	**Met FY 2025 Goals.** • In FY 2025, temperature data was collected in the Rio Grande using the sondes that are described in the Dissolved Oxygen MS4 Permit program section of the Annual Report. This activity was updated during FY 2025 in conjunction with modifications to AMAFCA SWMP Rev. 7. In addition, temperature data was collected during Compliance Monitoring Cooperative (CMC) sampling and Wet Weather monitoring during AMAFCA's internal stormwater quality monitoring. • In FY 2025, the sondes recorded zero (0) temperature exceedances of the 32.2 degrees C water quality standard in the Rio Grande related to precipitation within the watershed. In-stream monitoring memos discuss this data further and are available upon request. The temperature graphs from the sondes are provided in the Temperature Program Summary for this Annual Report.
Not Included in NOI	25	Part I.C.1.f.(iii) - Provide a progress report with the first and with subsequent Annual Reports. The progress reports shall include: (a) Summary of data. (b) Activities undertaken to identify MS4 discharge contribution to exceedances of applicable temperature water quality standards in waters of the United States. (c) Conclusions drawn, including supporting information for any determinations. (d) Activities undertaken to reduce MS4 discharge contribution to exceedances of applicable temperature water quality standards in waters of the United States. (e) Accounting of stakeholder involvement.	Part I.C.1.f.(iii) - AMAFCA will include progress regarding temperature impacts from stormwater to the Rio Grande that include adherence to schedule, activities undertaken, monitoring results, and conclusions drawn with Annual Reports, as applicable. AMAFCA will incorporate documentation by reference into the Annual Report and plans to document progress on the AMAFCA website. AMAFCA has provided data from 1982 to 2017 showing that the Rio Grande is not adversely affected by the temperature of stormwater from the Albuquerque MS4. The temperature monitoring results do not show a temperature exceedance at any of the monitoring locations in the watershed or in the river.	• Any update of data, activities, and conclusions regarding temperature impacts from stormwater to the Rio Grande will be provided with each Annual Report, if applicable. AMAFCA will incorporate documentation by reference into the Annual Report and plans to document progress on the AMAFCA website.	**Met FY 2025 Goals.** • This Annual Report serves as a progress report to EPA. Temperature data collected in the Rio Grande during FY 2025 continues to show that temperature exceedances in the Rio Grande due to stormwater from the contributing Albuquerque watershed are not occurring. AMAFCA, through its Annual Reports and associated communication with EPA, has provided data from 1982 to 2025 showing that the Rio Grande is not adversely affected by the temperature of stormwater from the Albuquerque MS4. • In FY 2025, AMAFCA continued to operate real-time telemetry capabilities to three (3) sondes, allowing AMAFCA to be aware of sonde issues in real-time resulting in less data gaps. AMAFCA continued to make access available to Isleta Pueblo to the real-time sonde data in an effort to improve data sharing and coordination with watershed stakeholders.

NOI Section	ID	Permit Activity Description	Plan SWMP Rev. 7 - July 1, 2024	Measurable Goal SWMP Rev. 7 - July 1, 2024	Status of Implementation and Performance Assessment Permit Year July 2024 to June 2025 (FY 2025)
	26	**Discharges to Impaired Waters With Approved TMDLs - Part I.C.2.b.(i) and TABLE 1.a - TMDL Bacteria Program- Part I.C.2.b.(iii)**			
Not Included in NOI	27	According to the requirements in Part I.C.2.b.(i), if the permittee discharges to an impaired water body with an approved TMDL (see MS4 Permit, Appendix B), where stormwater has the potential to cause or contribute to the impairment, the permittee shall include in the SWMP controls targeting the pollutant(s) of concern along with any additional or modified controls required in the TMDL and this section. As stated in the Permit, Appendix B, a bacteria TMDL for the Middle Rio Grande was approved by the New Mexico Water Quality Control Commission on April 13, 2010, and by EPA on June 30, 2010. The new TMDL modifies: 1) the indicator parameter for bacteria from fecal coliform to E. coli, and 2) the way the WLAs are assigned The SWMP and required Annual Reports must include information on implementing any focused controls required to reduce the pollutant(s) of concern as described below:	Part I.C.2.b.(i) - A bacteria TMDL for the Middle Rio Grande was approved by the New Mexico Water Quality Control Commission on April 13, 2010, and by EPA on June 30, 2010. AMAFCA's proposed plans for compliance with the Permit activities are described in the sections below.	AMAFCA's measurable goals for compliance with the Permit activities are described in the sections below.	**See specific Permit activity below.**
Not Included in NOI	28	Part I.C.2.b.(i).(a), Targeted Controls: The SWMP submitted with the first Annual Report must include a detailed description of all targeted controls to be implemented, such as identifying areas of focused effort or implementing additional BMPs that will be implemented to reduce the pollutant(s) of concern in the impaired waters. and Part I.C.2.b.(i).(b), Measurable Goals: For each targeted control, the SWMP must include a measurable goal and an implementation schedule describing BMPs to be implemented during each year of the permit term. Where the impairment is for bacteria, the permittee must, at minimum comply with the activities and schedules described in Table 1.a of Part I.C.2.b.(iii). As required in Part I.C.2.b.(i).(e),the permittee shall include focused BMPs addressing the five areas below: A. Sanitary Sewer Systems - improve sanitary sewers; fix lift stations; identify and implement O&M procedures; improve violation reporting; and prevent overflows; B. On-site Sewage Facilities - address failing systems and inadequate maintenance of On-Site Sewage Facilities;	Part I.C.2.b.(i).(a), (b), & (e) -AMAFCA's proposed plan for targeted controls and measurable goals (see column to right) for bacteria include: A. Sanitary Sewer Systems - Targeted Controls: There are no sanitary sewer systems owned or operated by AMAFCA within AMAFCA owned property. Related to the Illicit Discharges and Improper Disposal Control Measure, AMAFCA will receive monthly DMRs of sanitary sewer overflows (SSO) from ABCWUA. These will be evaluated to ensure that the SSOs did not impact AMAFCA facilities. B. On-site Sewage Facilities - Targeted Controls: There are no on-site sewage facilities owned or operated by AMAFCA within AMAFCA-owned property.	A. Sanitary Sewer Systems - Measurable Goals: •There are no sanitary sewer systems owned or operated by AMAFCA within AMAFCA-owned property. • Through the IDDE Program, AMAFCA will continue coordination with ABCWUA, who will inform AMAFCA of any SSOs that potentially impact AMAFCA facilities. AMAFCA will receive monthly DMRs of SSOs from ABCWUA. These will be evaluated to ensure that the SSOs did not impact AMAFCA facilities. AMAFCA will continue to add these to GIS to improve tracking of the SSOs. B. On-site Sewage Facilities - Measurable Goals: • Not applicable to AMAFCA	**Met FY 2025 Goals.** A. Sanitary Sewer Systems: • There are no sanitary sewer systems owned or operated by AMAFCA within AMAFCA owned property. • AMAFCA received and reviewed the monthly DMR forms from ABCWUA. These reports are available upon request. No evidence of adverse health/environmental impacts were documented in FY 2025. • AMAFCA can and has accepted sanitary sewer flows, given emergency overflow conditions in the watershed, to help protect the Rio Grande water quality. • AMAFCA continued to participate in the MS4 311 call in program. Complaints were communicated with the appropriate agency regarding these notifications. AMAFCA also coordinated regarding complaints received directly by AMAFCA staff through email, phone, or received through ABCWUA's monthly DMR Sanitary Sewer Overflow Report provided to AMAFCA. B. On-site Sewage Facilities: • Not applicable to AMAFCA

NOI Section	ID	Permit Activity Description	Plan SWMP Rev. 7 - July 1, 2024	Measurable Goal SWMP Rev. 7 - July 1, 2024	Status of Implementation and Performance Assessment Permit Year July 2024 to June 2025 (FY 2025)
Not Included in NOI	29	Continuation of five areas in Part I.C.2.b.(i).(e) - C. Illicit Discharges and Dumping - effort to reduce waste sources of bacteria; for ex., septic systems, grease traps, and grit traps; D. Animal Sources - management programs to identify and target sources such as zoos, pet waste, and horse stables; E. Residential Education - bacteria from residential sites; fats, oils, and grease (FOG) clogging sanitary sewer lines and resulting overflows; decorative ponds; and pet waste.	Part I.C.2.b.(i).(a), (b), & (e) - Continuation - AMAFCA's proposed plan for targeted controls and measurable goals (see column to right) for bacteria include: C. Illicit Discharges and Dumping - Targeted Controls: AMAFCA has a robust IDDE Program. In the IDDE program, AMAFCA has focused on homeless camp cleanup and other efforts that target sources of bacteria. In addition, AMAFCA has manual and mechanical trash contracts to address IDDE cleanup. Refer to the Illicit Discharges and Improper Disposal Control Measure for additional information. D. Animal Sources - Targeted Controls: AMAFCA will continue its focus on reducing pet waste through its Mutt Mitt Stations Program and its involvement with the MRGSQT educational outreach "Scoop the Poop" and/or "There is No Poop Fairy" campaigns. E. Residential Education - Targeted Controls: AMAFCA will address this area through Public Education and Outreach and Public Involvement and Participation Control Measures through its involvement with the MRGSQT.	C. Illicit Discharges and Dumping - Measurable Goals: • AMAFCA will address the Illicit Discharge and Dumping through its IDDE Program; refer to the Illicit Discharges and Improper Disposal Control Measure for additional information. This IDDE program includes illicit discharge monitoring by AMAFCA staff and crew that often involves weekly discussion at staff meetings. Reports of discharge are cooperatively investigated by staff including, if appropriate, tracking and documentation procedures. An annual budget line item exists for contracts to address IDDE cleanup. D. Animal Sources - Measurable Goals: • AMAFCA will continue to provide Mutt Mitt Stations and bags in an effort to reduce pet waste reaching stormwater. • AMAFCA will continue to contribute and participate in the MRGSQT. Through the MRGSQT, pet waste will be targeted through the "Scoop the Poop" and/or "There is No Poop Fairy" campaigns and other programs. • As funding becomes available, AMAFCA will participate and/or conduct microbial source tracking (MST) studies in the Middle Rio Grande. E. Residential Education - Measurable Goals: • The MRGSQT Outcomes Report will summarize the activities and is available upon request.	**Met FY 2025 Goals.** C. Illicit Discharges and Dumping: • Refer to the Illicit Discharges and Improper Disposal Control section of the Annual Report for FY 2025 performance and implementation status. D. Animal Sources: • AMAFCA has continued the Mutt Mitt Station program. Tracking procedures continued in FY 2025 for this program. Information on the Mutt Mitt station program to reduce pet waste and increase public awareness, with the goal of reducing E. coli within the watershed is provided in the Discharges to Water Quality Impaired Water Bodies with an Approved TMDL Program Summary. • The MRGSQT Outcomes Report summarizes the educational and outreach programs for FY 2025. This report is provided as a Program Summary. Pet waste education is a large component of the cooperative MRGSQT outreach efforts. E. Residential Education: • The MRGSQT Outcomes Report summarizes the educational and outreach programs for FY 2025. This report is contained in the Program Summaries section of the Annual Report.
	30	Part I.C.2.b.(i).(c).B - Identification of Measurable Goal: The SWMP must identify a measurable goal for the pollutant(s) of concern. The value of the measurable goal must be based on one of the following options in the Permit - AMAFCA is using Option B: B. Alternatively, if multiple permittees are discharging into the same impaired water body with an approved TMDL (which has an aggregate WLA for all permitted stormwater MS4s), the MS4s may combine or share efforts, in consultation with/and the approval of NMED, to determine an alternative sub-measurable goal derived from the WLA for the pollutant(s) of concern (e.g., bacteria) for their respective MS4. The SWMP must clearly define this alternative approach and must describe how the sub-measurable goals would cumulatively support the aggregate WLA. Where an aggregate WLA measurable goal has been broken into sub-measurable goals for individual MS4s, each permittee is only responsible for progress in meeting its WLA sub-measurable goal.	Part I.C.2.b.(i).(c).B - AMAFCA identified in its NOI that it was seeking, as part of a group of MS4s, an alternative sub-measurable goal for TMDL control under this part of the Permit. NMED and EPA were informed of this decision and NMED has worked with the CMC to help establish the cooperative waste load allocation (WLA) values and methodology for calculating E. coli loading. AMAFCA will continue following the established methodology for applying this to the CMC monitoring results.	• AMAFCA, as part of the CMC, will use the analytical results obtained in the Rio Grande during the CMC sampling and calculate an E. coli loading to compare with the waste load allocation allotted for the cooperative portion for the two defined stream assessment units of the Rio Grande (Isleta Pueblo Boundary to Alameda and Alameda to Angostura Diversion Dam). These calculations will be provided in each Annual Report, if applicable, as part of the CMC monitoring memos. AMAFCA will incorporate documentation by reference into the Annual Report and plans to provide documentation on the AMAFCA website.	**Met FY 2025 Goal.** • The required CMC sampling for the MS4 Permit term in the Rio Grande (2016 to 2019) was completed in FY 2019. The MRG Watershed Based MS4 Permit entered into administrative continuance in Dec. 2019 when EPA Region 6 did not issue a new MS4 Permit before the current MS4 Permit expiration date. The MS4 TAG sent EPA an Administrative Continuance letter dated October 15, 2019. Until a new MS4 Permit is issued, there are no compliance monitoring requirements in the Rio Grande. There was two (2) qualifying storm events monitored by the CMC in FY 2025. E. coli loading calculations were completed in FY 2025. The CMC memos summarizing the FY 2025 CMC wet weather monitoring activity, results, and E. coli loading calculations is attached to this Annual Report.

NOI Section	ID	Permit Activity Description	Plan SWMP Rev. 7 - July 1, 2024	Measurable Goal SWMP Rev. 7 - July 1, 2024	Status of Implementation and Performance Assessment Permit Year July 2024 to June 2025 (FY 2025)
Not Included in NOI	31	According to the requirements in Part I.C.2.b.(i).(f), the permittee shall monitor or assess progress in achieving measurable goals and determining the effectiveness of BMPs, and shall include documentation of this monitoring or assessment in the SWMP and Annual Reports. In addition, the SWMP must include methods to be used. This program element may be coordinated with the monitoring required in Part III.A. The permittee may use the following methods either individually or in conjunction to evaluate progress towards the measurable goal and improvements in water quality as follows: A. Evaluating Program Implementation Measures or B. Assessing Improvements in Water Quality Progress towards achieving the measurable goal shall be reported in the Annual Report. Annual reports shall report the measurable goal and the year(s) during the permit term that the MS4 conducted additional sampling or other assessment activities.	Part I.C.2.b.(i).(f) - AMAFCA will assess and evaluate the program and progress in achieving the targeted controls and measurable goals listed above by tracking the number of educational outreach opportunities conducted and tracking the number of people reached through the educational outreach program. AMAFCA will incorporate documentation by reference into the Annual Report. AMAFCA is part of the Compliance Monitoring Cooperative (CMC) group, established in 2016, with 12 watershed partners cooperating for the Wet Weather Monitoring Program requirements.	• The MRGSQT Outcomes Report will track the number of educational outreach opportunities conducted and list the number of people reached through the educational outreach program. This report is available upon request.. • AMAFCA will conduct stormwater monitoring in accordance with the Wet Weather Monitoring Program, Part III.A.1 as part of the CMC. The goals and plan for this program are described in the Wet Weather Monitoring Program portion of this SWMP.	**Met FY 2025 Goals.** • The MRGSQT Outcomes Report summarizes the educational and outreach programs for FY 2025. This report is contained in the Program Summaries section of the Annual Report. • AMAFCA has continued involvement with the Compliance Monitoring Cooperative (CMC) group, established in 2016, with 12 watershed partners cooperating for the Wet Weather Monitoring Program requirements. At the end of FY 2019, the CMC members had met all Wet Weather sample collection requirements in the MS4 Permit. The MRG Watershed Based MS4 Permit entered into administrative continuance in Dec. 2019 when EPA Region 6 did not issue a new MS4 Permit before the current MS4 Permit expiration date. The MS4 TAG sent EPA an Administrative Continuance letter dated October 15, 2019. Until a new MS4 Permit is issued, there are no compliance monitoring requirements in the Rio Grande. There were two (2) qualifying storm events monitored by the CMC in FY 2025. If the CMC does continue wet weather compliance monitoring during administrative continuance of this MS4 Permit, AMAFCA will summarize, as applicable, any wet weather monitoring activity, results, and E. coli loading calculations in future Program Summaries.
Not Included in NOI	32	Part I.C.2.b.(i).(g) - If, by the end of the 3rd year from the effective date of the permit, the permittee observes no progress toward the measurable goal either from program implementation or water quality assessments, the permittee shall identify alternative focused BMPs that address new or increased efforts towards the measurable goal. As appropriate, the MS4 may develop a new approach to identify the most significant sources of the pollutant(s) of concern and shall develop alternative focused BMPs (this may also include information that identifies issues beyond the MS4's control). These revised BMPs must be included in the SWMP and subsequent Annual Reports. Where the permittee originally used a measurable goal based on an aggregated WLA, the permittee may combine or share efforts with other MS4s discharging to the same impaired stream segment to determine an alternative sub-measurable goal for the pollutant(s) of concern for their respective MS4s, as described in Part I.C.2.b.(i).(c).B above. Permittees must document the proposed schedule for the development and subsequent adoption of alternative measurable goals for the pollutant(s) of concern for their respective MS4s and associated assessment of progress in meeting those individual goals.	Part I.C.2.b.(i).(g) - AMAFCA, in cooperation with the TAG, MRGSQT, and CMC has observed progress towards E. coli controls and measurable goals. However, the impairment for E. coli was re-listed in NMED's 2020-2022 State of New Mexico Clean Water Act Section 303(d)/Section 305(b) Integrated Report for 3 of the 4 assessment segments along the river within the Middle Rio Grande corridor; all 4 assessment segments in the Middle Rio Grande, from Isleta Pueblo Boundary to Angostura Diversion Dam, currently has an E. coli impairment. The CMC will continue to collect data during administrative continence of the Permit to determine if the E. coli trend that previously de-listed the impairment or data that re-listed the impairment is the baseline. AMAFCA will annually assess and evaluate the program and progress in achieving the measurable goals listed in the sections above. In addition to the measurable goals listed above, Microbial Source Tracking (MST) studies may be a tool used for the assessment and evaluation of the program. AMAFCA will also continue to participate in regional water quality studies and plans, as opportunities become available, to continue to look for collaborative opportunities to improve this program.	• AMAFCA will continue to annually assess and evaluate the program and progress in achieving the measurable goals listed above. In addition to the measurable goals listed above, Microbial Source Tracking (MST) studies may be a tool used for the assessment and evaluation of the program. • AMAFCA will continue to participate in regional water quality studies and plans, as opportunities become available.	**Met FY 2025 Goals.** • The required CMC sampling for the MS4 Permit term in the Rio Grande (2016 to 2019) was completed in FY 2019. The MRG Watershed Based MS4 Permit entered into administrative continuance in Dec. 2019 when EPA Region 6 did not issue a new MS4 Permit before the current MS4 Permit expiration date. Additional details are provided above.

NOI Section	ID	Permit Activity Description	Plan SWMP Rev. 7 - July 1, 2024	Measurable Goal SWMP Rev. 7 - July 1, 2024	Status of Implementation and Performance Assessment Permit Year July 2024 to June 2025 (FY 2025)
Not Included in NOI	33	Part I.C.2.b.(iii) - Table 1.a, Identify potential significant sources of the pollutant of concern entering your MS4.	Part I.C.2.b.(iii) - Table 1.a - In 2014-2015, AMAFCA contracted with a consultant to restudy the bacteria within the Middle Rio Grande, specifically to evaluate the bacteria data over the recent history to report the trend analysis and the impact to the Rio Grande. The report for this study, Middle Rio Grande Rio Grande E. coli Analysis and Research report for AMAFCA by water quality on-call engineer (CDM Smith), is available from AMAFCA upon request. AMAFCA, through the MRGSQT, has contracted with BEMP to study E. coli at various locations along the Rio Grande during dry weather in an effort to identify potential sources of E. coli.	• AMAFCA, with its co-permittees from the 2012 MS4 Phase I Permit, have completed several studies related to identifying potential significant sources of the pollutant of concern entering the MRG Watershed MS4 area. The results of these studies will be used to guide the overall program plan and goals. • AMAFCA, with the MRGSQT, has contracted with BEMP to study E. coli at various locations along the Rio Grande during dry weather in an effort to identify potential sources of E. coli.	**Met FY 2025 Goals.** • Plots of the AMAFCA collected E. coli data are included in AMAFCA's internal watershed stormwater quality monitoring reports, which are available upon request. • AMAFCA, with the MRGSQT, has partnered in previous years with BEMP to monitor E. coli and the correlation between E. coli concentrations in urbanized areas is well defined. • The monitoring reports for FY 2025 for AMAFCA's internal watershed stormwater quality monitoring are available upon request.
Not Included in NOI	34	From Part I.C.2.b.(iii) - Table 1.a, Develop (or modify an existing program- for prior permittees under NMS000101) and implement a public education program to reduce the discharge of bacteria in municipal stormwater contributed by (if applicable) by pets, recreational and exhibition livestock, and zoos.	Part I.C.2.b.(iii) - Table 1.a - As stated above, AMAFCA will continue its focus on reducing pet waste through providing Mutt Mitt Stations and through continued involvement with the MRGSQT educational outreach "Scoop the Poop" campaign.	• AMAFCA will continue to provide Mutt Mitt Stations and bags. • AMAFCA will contribute and participate in the MRGSQT. • The MRGSQT Outcomes Report will summarize the activities related to targeting pet waste sources and residential education targeting bacteria sources. This report is available upon request.	**Met FY 2025 Goals.** • AMAFCA continued its focus on reducing pet waste through providing Mutt Mitt Stations. Mutt Mitt Station supporting data for FY 2025 is available upon request. Information on the Mutt Mitt station program to reduce pet waste and increase public awareness, with the goal of reducing E. coli within the watershed is provided in the Discharges to Water Quality Impaired Water Bodies with an Approved TMDL Program Summary. • In FY 2025, AMAFCA continued to contribute to and participated in the MRGSQT, which included educational outreach for the "Scoop the Poop" and "There is no Poop Fairy" campaigns. • The MRGSQT Outcomes Report summarizes the educational and outreach programs for FY 2025. This report is contained in the Program Summaries section of the Annual Report.
Not Included in NOI	35	From Part I.C.2.b.(iii) - Table 1.a, Develop (or modify an existing program- for prior permittees under NMS000101) and implement a program to reduce the discharge of bacteria in municipal stormwater contributed by areas within your MS4 served by on-site wastewater treatment systems.	Part I.C.2.b.(iii) - Table 1.a - As stated above, this is not applicable to AMAFCA. Through the IDDE Program, AMAFCA will continue coordination with ABCWUA, who will inform AMAFCA of any sanitary sewer overflows that impact AMAFCA facilities.	• As stated above, this is not applicable to AMAFCA. Through the IDDE Program, AMAFCA will continue coordination with ABCWUA, who will inform AMAFCA of any sanitary sewer overflows that impact AMAFCA facilities.	**Met FY 2025 Goal.** • AMAFCA received and reviewed the monthly DMR forms from ABCWUA. These reports are available upon request. No evidence of adverse health/environmental impacts were documented in FY 2025.

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Not Included in NOI	36	From Part I.C.2.b.(iii) - Table 1.a, Review results to date from the Illicit Discharge Detection and Elimination program (see Part I.D.5.e) and modify as necessary to prioritize the detection and elimination of discharges contributing bacteria to the MS4.	Part I.C.2.b.(iii) - Table 1.a - AMAFCA will incorporate this Permit requirement into the IDDE program, refer to the SWMP - Table 6: Illicit Discharges and Improper Disposal - for additional information.	• AMAFCA will address this Permit activity in the IDDE Program, refer to the SWMP - Table 6: Illicit Discharges and Improper Disposal - for additional information.	**Met FY 2025 Goal.** • AMAFCA addresses this Permit activity in the Illicit Discharges and Improper Disposal Control Measure.
Not Included in NOI	37	Part I.C.2.b.(iii) - Table 1.a - Develop (or modify an existing program- for prior permittees under NMS000101) and implement a program to reduce the discharge of bacteria in municipal stormwater contributed by other significant source identified in the Illicit Discharge Detection and Elimination program (see Part I.D.5.e).	Part I.C.2.b.(iii) - Table 1.a - This requirement will be addressed in conjunction with AMAFCA's IDDE Program, refer to the SWMP Table 6: Illicit Discharges and Improper Disposal, for additional information. AMAFCA will review its IDDE Program results annually and identify illicit discharges (specific as well as general types of discharges and/or locations of discharges) that contributed bacteria to the MS4. Strategies will be developed to address these specific or general IDDEs. Development and implementation of strategies will depend on the IDDE program results.	• AMAFCA will review its IDDE Program results annually.	**Met FY 2025 Goals.** • AMAFCA addresses this Permit activity in the Illicit Discharges and Improper Disposal Control Measure.
Not Included in NOI	38	Include in the Annual Reports progress on program implementation and reducing the bacteria and updates their measurable goals as necessary. As required in Part I.C.2.b.(i).(d), the Annual Report must include an analysis of how the selected BMPs have been effective in contributing to achieving the measurable goal and shall include graphic representation of pollutant trends, along with computations of annual percent reductions achieved from the baseline loads and comparisons with the target loads.	Part I.C.2.b.(i).(d) - The MRGSQT Outcomes Report will track the number of educational outreach opportunities conducted, list the number of people reached through the educational outreach program, and summarize the activities related to targeting pet waste sources as well as residential education targeting bacteria sources. This report is available upon request. In addition, if strategies are developed to address IDDEs found to contribute bacteria to the MS4, these will be reported in subsequent Annual Reports. AMAFCA will report annually on compliance monitoring to monitor and test for E. coli. This reporting will be done in accordance with Part III.A (Wet Weather Monitoring Program) of the MS4 Permit and will help with a water quality assessment of the overall watershed related to E. coli. Graphical representation of E. coli trends will also be completed annually.	• The MRGSQT Outcomes Report is available upon request. • AMAFCA will report annually on compliance monitoring to monitor and test for E. coli. This reporting will be done in accordance with Part III.A (Wet Weather Monitoring Program) of the MS4 Permit. • Graphical representation of E. coli trends will also be completed annually.	**Met FY 2025 Goals.** • The MRGSQT Outcomes Report summarizes the educational and outreach programs for FY 2025. This report is contained in the Program Summaries section of the Annual Report. • Plots of the AMAFCA collected E. coli data are included in AMAFCA's internal watershed stormwater quality monitoring reports, which are available upon request and also provided in the Program Summary.

NOI Section	ID	Permit Activity Description	Plan SWMP Rev. 7 - July 1, 2024	Measurable Goal SWMP Rev. 7 - July 1, 2024	Status of Implementation and Performance Assessment Permit Year July 2024 to June 2025 (FY 2025)
	39	**Discharges to Impaired Waters Without Approved TMDLs - Part I.C.2.b.(ii)**			
Not Included in NOI	40	According to the requirements in Part I.C.2.b.(ii), if the permittee discharges directly into an impaired water body without an approved TMDL, the permittee shall perform the following activities (described in sections below).	Part I.C.2.b.(ii) - The Rio Grande impairments are listed on the EPA Annual Report Summary Form, pages 1-2. The Tijeras Arroyo upstream of the Four Hills Bridge is impaired for nutrient/eutrophication. The Tijeras Arroyo upstream of the Four Hills Bridge is all privately owned land. AMAFCA's operation and maintenance authority and access to the Tijeras Arroyo terminate at the Four Hills Bridge. Therefore, there are no requirements in this SWMP to comply with the activities and schedules related to Impairment for Nutrients in Table 1.b in Part I.C.2.b.(iii). AMAFCA does monitor for nutrients through its Wet Weather Monitoring Program, see Table 10 of the SWMP.	• Impairment for Dissolved Oxygen is addressed in the Endangered Species Act (ESA) section - Part I.C.3. The SWMP section for Part I.C.3 describes the proposed plan and measurable goals. • Impairment for PCBs is addressed in Compliance with Water Quality Standards - PCBs - Part I.C.1.e. The SWMP section for Part I.C.1.e describes the proposed plan and measurable goals. • Impairment for Temperature is addressed in Compliance with Water Quality Standards - Temperature - Part I.C.1.f. The SWMP section for Part I.C.1.f describes the proposed plan and measurable goals. • Compliance monitoring (Part III.A) includes Gross Alpha testing. Future assessment related to the impairment will be based on results of those samples.	**Met FY 2025 Goals.** • AMAFCA addresses this Permit activity in other Permit sections - please refer to these sections of the Annual Report for the FY 2025 status of implementation and performance assessment. -Dissolved Oxygen is addressed in the Endangered Species Act (ESA) section - Part I.C.3.a. - PCBs are addressed in Compliance with Water Quality Standards - PCBs - Part I.C.1.e. - Temperature is addressed in Compliance with Water Quality Standards - Temperature - Part I.C.1.f. - Gross Alpha is part of the Wet Weather Monitoring - Part III.A.
Not Included in NOI	41	Part I.C.2.b.(ii).(a) - The permittee shall: A. Determine whether the MS4 may be a source of the pollutant(s) of concern by referring to the CWA §303(d) list and then determining if discharges from the MS4 would be likely to contain the pollutant(s) of concern at levels of concern. The evaluation of CWA §303(d) list parameters should be carried out based on an analysis of existing data (e.g., IDDE Program) conducted within the permittee's jurisdiction. B. Ensure that the SWMP includes focused BMPs, and corresponding measurable goals, that the permittee will implement, to reduce, the discharge of pollutant(s) of concern that contribute to the impairment of the water body. Only applicable if the permittee determines that the MS4 may discharge the pollutant(s) of concern to an impaired water body without a TMDL. The SWMP submitted with the first Annual Report must include a detailed description of proposed controls to be implemented along with measurable goals. C. Amend the SWMP to include any BMPs to address the pollutant(s) of concern.	Part I.C.2.b.(ii).(a) - Most of the impaired pollutants of concern are specifically addressed in other sections of the MS4 Program and therefore in other sections of the SWMP. Please refer to: Dissolved Oxygen and Endangered Species Act (ESA) section - Part I.C.3; PCBs are addressed in Compliance with Water Quality Standards - PCBs - Part I.C.1.e; and Temperature is addressed in Compliance with Water Quality Standards - Temperature - Part I.C.1.f. Compliance monitoring (Part III.A) includes Gross Alpha testing. The testing will allow the CMC to determine the background level relative to stormwater discharges. Future assessment related to this impairment will be based on results of those samples.	• Refer to other SWMP sections for: - Dissolved Oxygen is addressed in the Endangered Species Act (ESA) section - Part I.C.3. - PCBs are addressed in Compliance with Water Quality Standards - PCBs - Part I.C.1.e. - Temperature is addressed in Compliance with Water Quality Standards - Temperature - Part I.C.1.f. • Compliance monitoring (Part III.A) includes Gross Alpha testing. Future assessment and strategies related to this impairment will be based on results of the stormwater samples.	**Met FY 2025 Goals.** • AMAFCA addresses this Permit activity in other Permit sections. Please refer to these sections of the Annual Report for the FY 2025 status of implementation and performance assessment. -Dissolved Oxygen is addressed in the Endangered Species Act (ESA) section - Part I.C.3.a. - PCBs are addressed in Compliance with Water Quality Standards - PCBs - Part I.C.1.e. - Temperature is addressed in Compliance with Water Quality Standards - Temperature - Part I.C.1.f. - Gross Alpha is addressed in the Wet Weather Monitoring - Part III.A.

NOI Section	ID	Permit Activity Description	Plan SWMP Rev. 7 - July 1, 2024	Measurable Goal SWMP Rev. 7 - July 1, 2024	Status of Implementation and Performance Assessment Permit Year July 2024 to June 2025 (FY 2025)
	42	**Endangered Species Act (ESA) Requirements - Sediment Pollutant Load Reduction Strategy - Part I.C.3.b**			
Not Included in NOI	43	According to the requirements in Part I.C.3.b, the permittee must develop, implement, and evaluate a sediment pollutant load reduction strategy to assess and reduce pollutant loads associated with sediment (e.g., metals, etc. adsorbed to or traveling with sediment, as opposed to clean sediment) into the receiving waters of the Rio Grande. The strategy must include the following elements (see sections below):	Part I.C.3.b - AMAFCA's proposed plan for compliance with the Permit activities are described in the sections below.	AMAFCA's measurable goals for compliance with the Permit activities are described in the sections below.	**See specific Permit activity below.**
Not Included in NOI	44	Part I.C.3.b.(i) - Sediment Assessment: The permittee must identify and investigate areas within its jurisdiction that may be contributing excessive levels (e.g., levels that may contribute to exceedance of applicable Water Quality Standards) of pollutants in sediments to the receiving waters of the Rio Grande as a result of stormwater discharges. The permittee must identify structural elements, natural or man-made topo-graphical and geographical formations, MS4 operations activities, and areas indicated as potential sources of sediments and pollutants in the receiving waters of the Rio Grande. At the time of assessment, the permittee shall record any observed erosion of soil or sediment along ephemeral channels, arroyos, or stream banks, noting the scouring or sedimentation in streams. The assessment should be made using available data from federal, state, or local studies supplemented as necessary with collection of additional data. The permittee must describe, in the first Annual Report, all standard operating procedures, quality assurance plans to assure that accurate data are collected, summarized, evaluated and reported.	Part I.C.3.b.(i) - All AMAFCA projects are regional flood control or water quality projects. Stormwater runoff from other MS4s enter AMAFCA facilities, which function as regional flood control facilities and also function as BMPs to capture sediment from stormwater before the stormwater continues to the Rio Grande. In the MRG MS4, AMAFCA is not adversely contributing to the sediment pollutant load, but rather functioning to capture the sediment pollutant load generated throughout the watershed by MS4s contributing runoff to AMAFCA facilities. A large portion of AMAFCA's routine activities include sediment removal from its facilities. AMAFCA has implemented a crew tracking system to measure the sediment removal quantities at all of its facilities. The data collected will be used by AMAFCA for the required MS4 Sediment Assessment. As part of AMAFCA's regular O&M activities, AMAFCA will continue the sediment assessment phase by tracking and estimating the volume of sediment removed from their stormwater facilities annually. The tracking of this data will continue and will be valuable to AMAFCA as it applies to this program and to future planning activities. AMAFCA has standard operating procedures (SOPs) related to operation and maintenance and a scheduling spreadsheet for inspections. These SOPs and procedures ensure that AMAFCA has accurate data related to sediment removal activities.	• AMAFCA's facilities function as BMPs for sediment removal. AMAFCA's O&M activities, which include sediment removal, will be scheduled, tracked, and evaluated for the Sediment Assessment requirement for this Permit activity. • AMAFCA will continue using a crew tracking system to measure the sediment removal quantities at all of its facilities and use this information for the Sediment Assessment.	**Met FY 2025 Goals.** • In FY 2025, AMAFCA adhered to its current established procedures in the "AMAFCA O&M Manual for Dams" and the "AMAFCA O&M Repair Replacement and Rehabilitation Manual" for sediment removal activities. Refer to the Pollution Retention/Good Housekeeping Control Measure for additional information. • AMAFCA's crew tracking system and database lists each of its stormwater quality facilities by drainage basin. These facilities are also shown on the AMAFCA Maintenance Map, available online: https://amafca.org/gis-maps-data/.
Not Included in NOI	45	Part I.C.3.b.(ii) - Estimate Baseline Loading: Based on the results of the sediment pollutants assessment required in Part I.C.3.b.(i) above, the permittee must provide estimates of baseline total sediment loading and relative potential for contamination of those sediments by urban activities for drainage areas, sub-watersheds, Impervious Areas (IAs), and/or Directly Connected Impervious Area (DCIAs) draining directly to a surface waterbody or other feature used to convey waters of the United States. Sediment loads may be provided for targeted areas in the entire Middle Rio Grande Watershed using an individual or cooperative approach. Any data available and/or preliminary numeric modeling results may be used in estimating loads.	Part I.C.3.b.(ii) - In 2016, the COA, with cooperation from AMAFCA and area MS4s, completed an initial sediment assessment, "City of Albuquerque 2016 Sediment Assessment". This initial study assisted in establishing the baseline for the sediment assessment. In FY 2019, AMAFCA cooperated with Bernalillo County, who led the effort for the watershed to complete the estimated baseline sediment loading evaluation. Sediment loads are provided for targeted areas in the entire Middle Rio Grande Watershed using a cooperative approach. The "Progress Evaluation Report for the Sediment Pollutant Load Reduction Strategy" report, June 25, 2019 summarizes the sediment loading evaluation at five main outfalls into the Rio Grande. The data AMAFCA collected in the Sediment Assessment was used for estimating baseline sediment loading to its facilities. AMAFCA will review the "Progress Evaluation Report for the Sediment Pollutant Load Reduction Strategy" report and discuss the findings with the watershed MS4s. The results of this study may be used to guide the overall program plans and goals.	• AMAFCA will review the "Progress Evaluation Report for the Sediment Pollutant Load Reduction Strategy" report and discuss the findings with the watershed MS4s. The results of this study may be used to guide the overall program plans and goals. Updates to the Sediment Pollutant Load Reduction Strategy will be implemented, as applicable.	**Met FY 2025 Goals.** • AMAFCA has reviewed the "Progress Evaluation Report for the Sediment Pollutant Load Reduction Strategy" report, June 25, 2019 which summarizes the sediment loading evaluation at five main outfalls into the Rio Grande. In FY 2025, there were no updates to report.

NOI Section	ID	Permit Activity Description	Plan SWMP Rev. 7 - July 1, 2024	Measurable Goal SWMP Rev. 7 - July 1, 2024	Status of Implementation and Performance Assessment Permit Year July 2024 to June 2025 (FY 2025)
Not Included in NOI	46	Part I.C.3.b.(iii) - Targeted Controls: Include a detailed description of all proposed targeted controls and BMPs that will be implemented to reduce sediment pollutant loads, calculated in Part I.C.3.b.(ii) above, during the next ten (10) years of permit issuance. For each targeted control, the permittee must include interim measurable goals (e.g., interim sediment pollutant load reductions) and an implementation and maintenance schedule, including interim milestones, for each control measure, and as appropriate, the months and years in which the MS4 will undertake the required actions. Any data available and/or preliminary numeric modeling results may be used in establishing the targeted controls, BMPs, and interim measurable goals. The permittee must prioritize pollutant load reduction efforts and target areas (e. g. drainage areas, sub watersheds, IAs, DCIAs) that generate the highest annual average pollutant loads.	Part I.C.3.b.(iii) - AMAFCA facilities function as regional flood control facilities as well as BMPs to remove sediment from stormwater before the stormwater reaches the Rio Grande. In the MRG MS4, AMAFCA is not adversely contributing to the sediment pollutant load, but rather functioning to capture the sediment pollutant load generated throughout the watershed by MS4s contributing runoff to AMAFCA facilities. As such, AMAFCA does not want to reduce the sediment loads but rather implement targeted controls to increase the capture of sediment in its facilities. The completed analysis of the Sediment Assessment and Estimated Baseline Loading will be used by AMAFCA to improve their program to target and prioritize sediment removal throughout the watershed. AMAFCA will continue to estimate the annual volume of sediment removed from each control facility. The AMAFCA operations and maintenance crew and subcontractors track the volume of floatables, sediment, trash, and debris removed from AMAFCA facilities on a daily basis. This tracking procedure includes the location of removal by facility and watershed. AMAFCA will continue to utilize the 2017 updated, cooperative waste characterization study, updating the "AMAFCA/Albuquerque MS4 Floatable and Gross Pollutant Study" conducted in 2005, to assist with determining needed controls and BMPs that may be implemented to reduce sediment pollutant loads. AMAFCA will continue analyzing, planning, and constructing needed sediment control BMPs. The AMAFCA Project Schedule process may be utilized in part for identifying, ranking, and planning area BMPs. AMAFCA's Mutt Mitt stations program will continue as a targeted BMP to reduce pollutants (specifically E. coli) present in sediment within the MS4.	• AMAFCA will review the "Progress Evaluation Report for the Sediment Pollutant Load Reduction Strategy" report and discuss the findings with the watershed MS4s. The results of this study may be used to guide the overall program plans and goals. Updates to the Sediment Pollutant Load Reduction Strategy will be implemented, as applicable. • AMAFCA will continue to estimate the annual volume of sediment removed from each control facility. The AMAFCA operations and maintenance crew and subcontractors track the volume of floatables, sediment, trash, and debris removed from AMAFCA facilities on a daily basis. This tracking procedure includes the location of removal by facility and watershed. • AMAFCA will continue utilizing the updated, cooperative waste characterization study in the watershed to assist with determining needed controls and BMPs that may be implemented to reduce sediment pollutant loads. • AMAFCA will continue analyzing, planning, and constructing needed sediment control BMPs. The AMAFCA Project Schedule process may be utilized in part for identifying, ranking, and planning area BMPs. • AMAFCA will continue its Mutt Mitt program focusing on reducing pollutants (specifically E. coli) present in sediment within the MS4.	**No Goals Required for FY 2025.** • The "Progress Evaluation Report for the Sediment Pollutant Load Reduction Strategy" report was completed at the end of FY 2019. An important element of the Strategy is the use of targeted controls and BMPs to reduce sediment transport by stormwater into the receiving water of the Rio Grande. In FY 2025, AMAFCA continued to maintain, design, and construct BMPs throughout its jurisdiction to reduce sediment transport by stormwater into the receiving water of the Rio Grande. • In FY 2025, AMAFCA continued use of the crew tracking system and database to estimate the volume of trash, homeless debris, sediment, and vegetation removed from its water quality facilities. Summary information is provided in the Program Summary and additional details are available upon request. • In FY 2025, AMAFCA continued its Mutt Mitt Station Program. Summary information for the Mutt Mitt Stations and bags is provided in the Approved TMDL Program Summary and additional details are available upon request.
Not Included in NOI	47	Part I.C.3.b.(iv) - Monitoring and Interim Reporting: The permittee shall monitor or assess progress in achieving interim measurable goals and determining the effectiveness of BMPs, and shall include documentation of this monitoring or assessment in the SWMP and Annual Reports. In addition, the SWMP must include methods to be used. This program element may be coordinated with the monitoring required in Part III.A.	Part I.C.3.b.(iv) - AMAFCA will annually assess progress for this program. AMAFCA will monitor the volume of sediment captured by each of its facilities by measuring the volume of sediment removed from each facility. Documentation of this monitoring will be done using the tracking spreadsheet and procedure. AMAFCA will incorporate documentation by reference into the Annual Report. In addition, as mentioned above, AMAFCA will use the "Progress Evaluation Report for the Sediment Pollutant Load Reduction Strategy" report to guide the overall program plans and goals. Monitoring and assessment will be considered during the development of future program plans and goals.	• AMAFCA will incorporate documentation by reference into the Annual Report. • Documentation of volume of sediment removed will continue to be done using the crew tracking spreadsheet and procedure.	**Met FY 2025 Goals.** • In FY 2025, AMAFCA continued utilizing the crew tracking system and database for sediment assessment and estimating baseline loading. Additional information is available upon request.

NOI Section	ID	Permit Activity Description	Plan SWMP Rev. 7 - July 1, 2024	Measurable Goal SWMP Rev. 7 - July 1, 2024	Status of Implementation and Performance Assessment Permit Year July 2024 to June 2025 (FY 2025)
Not Included in NOI	48	Part I.C.3.b.(v) - Progress Evaluation and Reporting: The permittee must assess the overall success of the Sediment Pollutant Load Reduction Strategy and document both direct and indirect measurements of program effectiveness in a Progress Report to be submitted with the fifth Annual Report. Data must be analyzed, interpreted, and reported so that results can be applied to such purposes as documenting effectiveness of the BMPs and compliance with the ESA requirements specified in Part I.C.3.b. The Progress Report must include: (a) A list of species likely to be within the action area: (b) Type and number of structural BMPs installed; (c) Evaluation of pollutant source reduction effects; (d) Any recommendation based on program evaluation; (e) Description of how the interim sediment load reduction goals established in Part I.C.3.b.(iii) were achieved; and (f) Future planning activities needed to achieve increase of sediment load reduction required in Part I.C.3.d.(iii).	Part I.C.3.b.(v) - AMAFCA facilities function as regional flood control facilities as well as BMPs to remove sediment from stormwater before the stormwater reaches the Rio Grande. In the MRG MS4, AMAFCA is not adversely contributing to the sediment pollutant load, but rather functioning to capture the sediment pollutant load generated throughout the watershed by MS4s contributing runoff to AMAFCA facilities. AMAFCA's goal is to implement targeted controls to increase the capture of sediment in its facilities rather than reducing sediment loads. AMAFCA worked cooperatively with Bernalillo County, City of Albuquerque, and SSCAFCA to complete this MS4 Permit requirement. The Progress Report on the Sediment Pollutant Load Reduction Strategy. This Progress report meets the MS4 Permit requirements, including: (a) A list of species likely to be within the action area: (b) Type and number of structural BMPs installed; (c) Evaluation of pollutant source reduction effects; (d) Any recommendation based on program evaluation; (e) Description of how the interim sediment load reduction goals established in Part I.C.3.b.(iii) were achieved; and (f) Future planning activities needed to achieve increase of sediment load reduction required in Part I.C.3.d.(iii). Related to the elements required by this Progress report, AMAFCA will continue to 1) maintain a cumulative list of AMAFCA's retrofit BMPs and 2) may utilize the AMAFCA Project Schedule process in part for identifying, ranking, and planning area BMPs to meet recommendations from this program evaluation.	• AMAFCA has completed this report and provided this to EPA with the FY 2019 Annual Report, December 1, 2019, a Progress Report on the Sediment Pollutant Load Reduction Strategy. AMAFCA cooperated with Bernalillo County, who led the effort for the watershed to complete the estimated baseline sediment loading. The City of Albuquerque and SSCAFCA also cooperated on this watershed wide strategy. • Related to requirement (c), AMAFCA will continue to maintain a cumulative list of AMAFCA's retrofit BMPs. AMAFCA will incorporate documentation by reference into the Annual Report and plans to document progress on the AMAFCA website. • Related to requirement (d) AMAFCA's Project Schedule process may be utilized in part for identifying, ranking, and planning area BMPs to meet recommendations from this program evaluation.	**Met FY 2025 Goals.** • The submission of the "Progress Evaluation Report for the Sediment Pollutant Load Reduction Strategy" report, June 25, 2019, with the FY 2019 Annual Report completes and meets the MS4 Permit requirements. Moving forward, future activities (planned, as well as implemented) determined to be needed to achieve improved sediment load reduction will be summarized in the Annual Reports. In FY 2025, there were no updates to report. • A cumulative list of AMAFCA's retrofit BMPs is available in upon request. • Related to requirement (c), the program elements above describe AMAFCA's methods for evaluation of pollutant source reduction effects. • Related to requirement (d), AMAFCA utilized the 2025 AMAFCA Project Schedule to focus on project priority BMPs for the community.
Not Included in NOI	49	Part I.C.3.b.(vi) - Critical Habitat: Verify that the installation of stormwater BMPs will not occur in or adversely affect currently listed endangered or threatened species critical habitat by reviewing the activities and locations of stormwater BMP installation within the location of critical habitat of currently listed endangered or threatened species at the FWS website http://criticalhabitat.fws.gov/crithab/.	Part I.C.3.b.(vi) - AMAFCA considers critical habitat for all of its projects, working closely with the USFWS and USACE, as required, and will continue this practice related to any BMPs installed related to sediment capture and removal.	• AMAFCA will continue its practice of coordination with the USFWS and USACE, as required, related to AMAFCA's facility construction projects.	**Met FY 2025 Goal.** • In FY 2025, AMAFCA considered critical habitat for its current projects related to any BMPs installed related to sediment capture and removal.

NOI Section	ID	Permit Activity Description	Plan SWMP Rev. 7 - July 1, 2024	Measurable Goal SWMP Rev. 7 - July 1, 2024	Status of Implementation and Performance Assessment Permit Year July 2024 to June 2025 (FY 2025)
	50	**Part I.D.5 - Stormwater Management Plan (SWMP) Control Measures**			
	51	**TABLE 2: Construction Site Stormwater Runoff Control - Part I.D.5.a**			
See NOI Sections Below	52	Part I.D.5.a.(i) The permittee shall develop, revise, implement, and enforce a program to reduce pollutants in any stormwater runoff to the MS4 from construction activities that result in a land disturbance of greater than or equal to one acre. Reduction of stormwater discharges from construction activity disturbing less than one acre must be included in the program if that construction activity is part of a larger common plan of development or sale that would disturb one acre or more. Permittees previously covered under permit NMS000101 or NMR040000 must continue existing programs, updating as necessary, to comply with the requirements of this permit. (Note: Highway Departments and Flood Control Authorities may only apply the construction site stormwater management program to the permittee's own construction projects).	Part I.D.5.a.(i) - AMAFCA does not have jurisdiction over COA or Bernalillo County departments responsible for planning, review, permitting, or approval of public and private construction activities. However, AMAFCA does have jurisdiction over AMAFCA construction projects. Therefore, AMAFCA's Construction Site Stormwater Runoff Control Program addresses stormwater management during construction of AMAFCA projects that result in a land disturbance of greater than or equal to one acre, specifically when the construction contract is under AMAFCA.	• Coordinate the Construction Site Stormwater Runoff Control Program requirements (as detailed in the Program and in sections below) for qualifying AMAFCA construction projects, as required under the Construction General Permit (CGP).	**Met FY 2025 Goal.** • AMAFCA staff had continued regular coordination related to construction projects and activities and had discussions at monthly AMAFCA Board meetings. Allowing coordination among AMAFCA staff to ensure that the MS4 program controls are followed for active and upcoming qualifying AMAFCA construction projects. • AMAFCA continued to follow its Construction Site Stormwater Runoff Control Program.
1.1	53	Development of an ordinance or other regulatory mechanism as required in Part I.D.5.a.(ii)(a).	Part I.D.5.a.(ii).(a) - To the extent permitted by law, AMAFCA will comply with the requirements of this section. As applicable, AMAFCA will begin inserting MS4 Permit elements into construction contracts to provide AMAFCA with an enforceable contract mechanism. AMAFCA will also continue to work with the cooperative MS4 Technical Advisory Group (TAG) and other agencies to discuss and help develop regulatory mechanisms. Except for special circumstances, AMAFCA's regular maintenance activities do not disturb more than 5 acres at a time.	• AMAFCA will begin inserting MS4 Permit elements into construction contracts to provide AMAFCA with an improved enforceable contract mechanism. • AMAFCA will continue to work with the MS4 TAG and other agencies to discuss and help develop regulatory mechanisms. • Except for special circumstances, AMAFCA's regular maintenance activities will not disturb more than 5 acres at a time.	**Met FY 2025 Goals.** • AMAFCA contractually requires NPDES compliance with the CGP for qualifying projects, which are construction sites greater than one (1) acre in size located on AMAFCA property for which AMAFCA holds the construction contract. • AMAFCA continued to be involved in the MS4 TAG, facilitating cooperation and coordination with other MS4s in the Middle Rio Grande. • In FY 2025, AMAFCA staff did not report any regular maintenance activities that disturbed more than five (5) acres at a time.
1.2	54	Develop requirements and procedures as required in Part I.D.5.a.(ii)(b) through Part I.D.5.a.(ii)(h). These Permit sections include requirements for AMAFCA to implement and enforce requirements for construction site operators to: Part I.D.5.a(ii).(b) - implement appropriate erosion and sediment control BMPs; Part I.D.5.a(ii).(c) - control waste at the construction site that may cause adverse impacts to water quality; Part I.D.5.a.(ii).(d) - Procedures for site plan review which incorporate consideration of potential water quality impacts; Part I.D.5.a.(ii).(e) - Procedures for receipt and consideration of information submitted by the public; Part I.D.5.a.(ii).(f) - Procedures for site inspection (during construction) and enforcement of control measures, including provisions to ensure proper construction, operation, maintenance, and repair.	Part I.D.5.a.(ii).(b) - As part of AMAFCA's Program, AMAFCA engineers will continue to review all site plans and the SWPPPs to ensure implementation of appropriate BMPs and consistency with federal, state, and local sediment and erosion control requirements for AMAFCA projects. Pre-construction meetings will be held prior to beginning construction and SWPPP BMPs will be reviewed and discussed. Part I.D.5.a.(ii).(c) - AMAFCA ensures control of waste at construction sites during the SWPPP review, in accordance with the MS4 and CGP requirements. Part I.D.5.a(ii).(d) - In a cooperative effort with COA and Bernalillo County, the AMAFCA reviews private development that has a connection to AMAFCA facilities for projects disturbing at least one (1) acre. This review includes stormwater conveyance, water quality, and erosion control. In addition, AMAFCA staff performs and will continue to perform incremental reviews of all AMAFCA projects during design to assure quality control and design efficiency. Part I.D.5.a.(ii).(e) - AMAFCA will post a contact phone number at all required construction sites to ensure the public can contact AMAFCA with information. Part I.D.5.a.(ii).(f) - AMAFCA has procedures for construction site inspections of control measures to ensure compliance with the Construction General Permit (CGP). AMAFCA also has procedures in place to ensure site stabilization after NOT is filed.	• Review site plans and the SWPPPs (using the EPA SWPPP checklist) for AMAFCA projects disturbing at least one (1) acre in order to consider potential water quality impacts and ensure consistency with federal, state, and local sediment and erosion control requirements. • Conduct pre-construction meetings on AMAFCA construction projects disturbing at least one (1) acre prior to beginning earth-disturbing activities in order to discuss the SWPPP and BMPs. • SWPPP review will include ensuring the plans addresses control of waste at construction sites for AMAFCA projects. • In a cooperative effort with COA and Bernalillo County, AMAFCA will review submitted private development that has a connection to AMAFCA facilities for projects disturbing at least one (1) acre. Review may include stormwater conveyance, water quality, and erosion control. • AMAFCA will post a contact phone number at all required construction sites. • AMAFCA will continue to utilize construction inspection procedures for control measures to ensure compliance with the Construction General Permit (CGP).	**Met FY 2025 Goals.** • AMAFCA continued to follow its Construction Site Stormwater Runoff Control Program. • AMAFCA reviewed 100% of the AMAFCA project SWPPPs using the most recent EPA CGP SWPPP checklist/template to guide the reviews. NOIs were submitted for 100% of the FY 2025 CGP qualifying AMAFCA projects. • AMAFCA conducted pre-construction meetings for all qualifying AMAFCA construction projects prior to beginning earth-disturbing activities. • AMAFCA's SWPPP reviews included ensuring the plan addresses control of waste at construction sites. • AMAFCA reviewed private development that had a connection to AMAFCA facilities for projects disturbing at least one (1) acre. Review included stormwater conveyance, water quality, and erosion control. • AMAFCA verified that the Contractors posted an AMAFCA contact phone number, as required, at AMAFCA construction sites. • AMAFCA continued to utilize construction inspection procedures for control measures to ensure compliance with the CGP.

NOI Section	ID	Permit Activity Description	Plan SWMP Rev. 7 - July 1, 2024	Measurable Goal SWMP Rev. 7 - July 1, 2024	Status of Implementation and Performance Assessment Permit Year July 2024 to June 2025 (FY 2025)
	55	Continued...Develop requirements and procedures as required in Part I.D.5.a.(ii)(b) through Part I.D.5.a.(ii)(h). Part I.D.5.a.(ii).(g) - to educate and train permittee personnel and developers, construction site operators, contractors and supporting personnel; and Part I.D.5.a.(ii).(h) - for keeping records of and tracking all regulated construction activities within the MS4 - site reviews, inspections, inspection reports, warning letters and other enforcement documents. A summary of the number and frequency of site reviews, inspections (including inspector's checklist for oversight of sediment and erosion controls and proper disposal of construction wastes) and enforcement activities that are conducted annually and cumulatively during the permit term shall be included in each Annual Report.	Part I.D.5.a.(ii).(g) - AMAFCA will provide MS4 construction site inspection training for its staff and invite other agencies to attend trainings, when possible. In addition, construction site SWPPPs will continue to be discussed regularly by AMAFCA personnel. Part I.D.5.a.(ii).(h) - AMAFCA will maintain records of all AMAFCA-led projects disturbing at least one (1) acre within its rights-of-way. This will include AMAFCA's Construction Site Stormwater Runoff Control Program records, including NOIs, NOI tracking, inspection reports, non-conformance documents, and training documents. AMAFCA's license agreements relative to CGP compliance for non-AMAFCA projects that occur within its rights-of-way are the responsibility of the licensee.	• AMAFCA will continue to provide MS4 construction site inspection training for its staff and invite other agencies responsible for construction projects. In addition, construction site SWPPPs will continue to be discussed at weekly staff meetings, included in daily reports by field personnel, and discussed at AMAFCA Board meetings. • AMAFCA will maintain records of all construction projects disturbing at least one (1) acre within its rights-of-way that do not qualify for a Low Erosivity Waiver (LEW).	**Met FY 2025 Goals.** • AMAFCA continued to maintain all construction project records disturbing at least one (1) acre within its rights-of-way.
1.3	56	Part I.D.5.a.(iii). Annually conduct site inspections of 100 percent of all construction projects cumulatively disturbing one (1) or more acres as required in Part I.D.5.a.(iii).	Part I.D.5.a.(iii) - As part of AMAFCA's Program, AMAFCA staff will continue to perform field inspections of AMAFCA construction projects which disturb at least one (1) acre. At a minimum, each project will be inspected once after filing the NOI (including follow-up inspections for any nonconformances) and at the NOT. An inspection form has been developed and will be used for all inspections. Should the contractor fail to operate, maintain and repair the BMPs and control measures, AMAFCA staff have the contractual authority to temporarily suspend work, withhold/stop payment, or terminate the contract should such issues go uncorrected. AMAFCA's license agreements for non-AMAFCA projects that occur within its rights-of-way are not inspected by AMAFCA and are the responsibility of the licensee. As AMAFCA partners with other MS4s, such as COA, UNM, or ExpoNM on construction projects, AMAFCA will continue to coordinate with those cooperating MS4s in order to assign responsibility of conducting site inspections.	• AMAFCA will complete the inspections per the Construction Site Stormwater Runoff Control Program Plan for 100% of the active construction sites under contract by AMAFCA which disturb at least one (1) acre. • AMAFCA will maintain copies of the completed MS4 construction inspection forms. • AMAFCA will continue membership and involvement in the cooperative MS4 TAG, which will facilitate cooperation and coordination with other MS4s in the Middle Rio Grande.	**Met FY 2025 Goals.** • For qualifying projects - construction sites greater than one (1) acre in size for which AMAFCA holds the construction contract - AMAFCA conducted site inspections for 100% of the projects in accordance with this MS4 Permit in FY 2025. In FY 2025, there was no need to suspend work. • AMAFCA continued to track all AMAFCA projects disturbing at least one (1) acre, including the NOI and NOT filing and MS4 inspections. • AMAFCA maintains copies of all MS4 construction inspections forms. • AMAFCA continued to be involved in the MS4 TAG, facilitating cooperation and coordination with other MS4s in the Middle Rio Grande.
1.4	57	Part I.D.5.a.(iv). Coordinate with all departments and boards with jurisdiction over the planning, review, permitting, or approval of public and private construction projects/activities within the permit area as required in Part I.D.5.a.(iv). Planning documents include, but are not limited to: comprehensive or master plans, subdivision ordinances, general land use plan, zoning code, transportation master plan, specific area plans, such as sector plan, site area plans, corridor plans, or unified development ordinances.	Part I.D.5.a.(iv) - AMAFCA does not have jurisdiction over the planning, review, permitting, or approval of non-AMAFCA public and private construction activities. Therefore, AMAFCA's program is limited to AMAFCA-owned properties. Regular coordination among AMAFCA staff, as well as with Board members, occurs and will continue. In a cooperative effort with COA and Bernalillo County, AMAFCA will continue to coordinate with and to review public and private development that has a connection to AMAFCA facilities for projects disturbing at least one (1) acre.	• AMAFCA will continue regular coordination amongst AMAFCA engineering staff and Board members to verify that BMPs are in place to control erosion during construction on AMAFCA-owned properties. • AMAFCA will continue to meet monthly with the Board and will continue to seek Board approval for jointly funded water quality projects. • In a cooperative effort with COA and Bernalillo County, AMAFCA reviews submitted public and private development that has a connection to AMAFCA facilities for projects disturbing at least one (1) acre. These reviews may include stormwater conveyance, water quality, and erosion control.	**Met FY 2025 Goals.** • AMAFCA staff continued regular coordination related to construction projects and activities. • AMAFCA Board meetings typically occurred monthly during this reporting period. Board agendas and meeting minutes are available online: https://amafca.org/amafca-board-of-directors/ • In addition, AMAFCA reviewed all public and private development through the COA and Bernalillo County review processes that has a connection to AMAFCA facilities. These reviews may have included stormwater conveyance, water quality, and erosion control considerations.

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1.5	58	Evaluation of GI/LID/Sustainable practices in site plan reviews as required in Part I.D.5.a.(v). The site plan review must include an evaluation of opportunities for use of GI/LID/ Sustainable practices and when the opportunity exists, encourage project proponents to incorporate such practices into the site design to mimic the pre-development hydrology of the previously undeveloped site. For purposes of this permit, pre-development hydrology shall be met according to Part I.D.5.b of this Permit (consistent with any limitations on that capture). Include a reporting requirement of the number of plans that had opportunities to implement these practices and how many incorporated these practices.	Part I.D.5.a.(v) - AMAFCA does not have jurisdiction over site plan reviews of public and private construction activities, and AMAFCA does not program any private development type projects. AMAFCA ultimately has no authority to accept or reject public and private development projects. AMAFCA will continue to encourage use of sustainable practices during the review phase of projects within AMAFCA's rights-of-way and turn-key projects that AMAFCA will take over for operation and maintenance after construction. AMAFCA will encourage an evaluation of sustainable GI/LID practice opportunities within the watershed. The reporting requirement for the number of plans that AMAFCA reviews, typically because of a connection to an AMAFCA facility, that had opportunities to implement these practices will be reported annually. Because of lack of jurisdictional authority, AMAFCA is typically not told how many improvements were implemented. Therefore the number of improvements implemented will not be reported in the AMAFCA MS4 Annual Report.	• AMAFCA will continue to encourage use of sustainable practices during the review phase of projects. • AMAFCA will annually report the number of plans that were reviewed within AMAFCA's rights-of-way and turn-key projects that AMAFCA will take over for operation and maintenance after construction that had opportunities to implement GI/LID/Sustainable practices.	**Met FY 2025 Goals.** • AMAFCA continued to encourage use of sustainable practices during the review phase of projects. • AMAFCA's Development Review Engineer reviewed private development that has a connection to AMAFCA facilities. In FY 2025, 230 plans were reviewed by the AMAFCA Development Review Engineer; opportunities to potentially implement GI/LID/ Sustainable practices were considered, as appropriate, during these reviews. A copy of the Development Review Engineer's tracking list is available upon request. • AMAFCA continued to collaborate with Ciudad Soil and Water Conservation District to assist with water quality focused subdivision plan reviews, which are required for developments greater than five (5) acres.
Not Included in NOI	59	Update the SWMP document and annual report as required in Part I.D.5.a.(vi) and in Part I.D.5.a.(vii). Part I.D.5.a.(vi) The permittee must include in the SWMP a description of the mechanism(s) that will be utilized to comply with each of the elements required in Part I.D.5.a.(i) throughout Part I.D.5.a.(v), including description of each individual BMP (both structural or non-structural) or source control measures and its corresponding measurable goal.	Part I.D.5.a.(vi) - The above sections of the SWMP describe the mechanism(s) AMAFCA utilizes to comply with each of the elements required in Part I.D.5.a.(i) throughout Part I.D.5.a.(v) and the corresponding measurable goal(s). AMAFCA will annually evaluate and revise the Construction Site Stormwater Runoff Control Program elements, as necessary, to ensure that AMAFCA's Program meets the MS4 Permit requirements.	• Evaluate and revise the Construction Site Stormwater Runoff Control Program, as necessary, to ensure that AMAFCA's Program meets the MS4 Permit requirements. Update the SWMP, as necessary.	**Met FY 2025 Goal.** • AMAFCA's Program was reviewed by the Storm Water Quality Engineer for this reporting period. The program was reviewed as part of this Annual Report.
Not Included in NOI	60	Update the SWMP document and annual report as required in Part I.D.5.a.(vi) and in Part I.D.5.a.(vii). Part I.D.5.a.(vii) - The permittee shall assess the overall success of the program, and document the program effectiveness in the Annual Report. The permittee must include in each Annual Report: Part I.D.5.a.(vii).(a) - A summary of the frequency of site reviews, inspections and enforcement activities that are conducted annually and cumulatively during the permit term. Part I.D.5.a.(vii).(b) - The number of plans that had the opportunity to implement GI/LID/Sustainable practices and how many incorporated the practices.	Part I.D.5.a.(vii) - AMAFCA will assess the overall success of the program, and document the program effectiveness in the Annual Report. Part I.D.5.a.(vii).(a) - AMAFCA will include in each Annual Report a summary of the number and frequency of site reviews and inspections activities that are conducted annually and cumulatively during the permit term. Part I.D.5.a.(vii).(b) - AMAFCA will include the number of plans that had the opportunity to implement GI/LID/Sustainable practices from the plans that were reviewed within AMAFCA's rights-of-way and turn-key projects that AMAFCA will take over for operation and maintenance after construction. AMAFCA ultimately lacks jurisdictional authority to accept public and private development projects.	• Included in each Annual Report will be a summary of the number and frequency of construction site reviews and inspection activities that are conducted annually and cumulatively during the Permit term. • Included in each Annual Report will be a summary of the plans that had the opportunity to implement GI/LID/Sustainable practices from the plans that were reviewed within AMAFCA's rights-of-way and turn-key projects that AMAFCA will take over for operation and maintenance after construction. This documentation is included above.	**Met FY 2025 Goals.** • This Annual Report documents the program effectiveness and program success in the status of implementation and performance assessment for each MS4 Permit requirements. • There were 2 active AMAFCA construction projects in FY 2025. • The number of plans reviewed by the AMAFCA Development Review Engineer is reported above; opportunities to potentially implement GI/LID/ Sustainable practices were considered, as appropriate, during these reviews.
1.6	61	Enhance the program to include the elements in Part I.D.5.a.(viii) through Part I.D.5.a.(x). These include: Part I.D.5.a.(viii) -Use of stormwater educational materials; Part I.D.5.a.(ix) - Develop or update existing construction handbooks; and Part I.D.5.a.(x) - construction inspections may be carried out in conjunction with other inspections and use a screening prioritization process.	Part I.D.5.a.(viii) - AMAFCA will continue to use stormwater educational materials, either developed locally or provided by EPA, NMED, environmental groups, public interest groups, trade organizations, and/or other MS4s. AMAFCA will continue to host training cooperative sessions with the watershed MS4s. Part I.D.5.a.(ix) - AMAFCA, along with other MS4s, provided external review to NMDOT on their 2020 update of the National Pollutant Discharge Elimination System Manual, Stormwater Management Guidelines for Construction, MS4 and Industrial Activities. Part I.D.5.a.(x) - AMAFCA will continue to incorporate a screening prioritization process for construction inspections relative to regular operational inspections.	• The MRGSQT Outcomes Report will summarize the activities where educational materials were dispersed and shared with the public. This report is available upon request. • AMAFCA will explore opportunities for training cooperative sessions held with the watershed MS4s during the reporting period. • AMAFCA will follow procedures, as applicable, outlined in the 2020 update of the National Pollutant Discharge Elimination System Manual, Stormwater Management Guidelines for Construction, MS4 and Industrial Activities. • AMAFCA will continue to incorporate a screening prioritization process for construction inspections relative to regular operational inspections.	**Met FY 2025 Goals.** • AMAFCA's educational efforts are summarized and included in the MRGSQT Outcomes Report. This report is contained in the Program Summaries section of the Annual Report. • AMAFCA continued to utilize the most recent EPA CGP SWPPP checklist/template to guide the reviews of SWPPP documents. • AMAFCA conducted site inspections for 100% of the AMAFCA construction projects in accordance with this MS4 Permit in FY 2025.
1.7	62	Item from MS4 Permit NOI. Describe other proposed activities to address the Construction Stormwater Management in New Development and Redevelopment Measure.	AMAFCA will continue to utilize the Annual Report and SWMP revision process as a means to perform a self-audit with the goal to improve its MS4 Programs.	• AMAFCA will document progress made, if any, related to the Annual Report and SWMP revision process as a means to perform a self-audit on the MS4 Program elements.	**Met FY 2025 Goals.** • AMAFCA continued to utilize the Annual Report and SWMP revision process as a means to perform a self-audit on the MS4 Program elements.

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	63	**TABLE 3: Post-Construction Stormwater Management in New Development and Redevelopment- Part I.D.5.b**			
See NOI Sections Below	64	Part I.D.5.b.(i) The permittee must develop, revise, implement, and enforce a program to address stormwater runoff from new development and redevelopment projects that disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale, that discharge into the MS4. The program must ensure that controls are in place that would prevent or minimize water quality impacts. Permittees previously covered under NMS000101 or NMR040000 must continue existing programs, updating as necessary, to comply with the requirements of this permit. (Note: Highway Departments and Flood Control Authorities may only apply the post-construction stormwater management program to the permittee's own construction projects).	Part I.D.5.b.(i) - All AMAFCA projects are regional flood control or water quality projects. AMAFCA does not have jurisdiction over private or public (non-AMAFCA) development or redevelopment projects - this responsibility lies with COA, NMDOT, or Bernalillo County. AMAFCA facilities receive stormwater after it flows through new development and redevelopment. As a result, some permit activities in this section do not apply to AMAFCA. AMAFCA's routine operation & maintenance (O&M) activities address post-construction stormwater management at all AMAFCA facilities.	• Coordinate O&M activities at AMAFCA's weekly staff meetings.	**Met FY 2025 Goal.** •AMAFCA O&M activities continued to be discussed and coordinated regularly with AMAFCA staff.
2.1	65	Development of strategies as required in Part I.D.5.b.(ii).(a). Strategies which include a combination of structural and/or non-structural BMPs to control pollutants in stormwater runoff.	Part I.D.5.b.(ii).(a) - All AMAFCA projects are regional flood control or stormwater quality projects - functioning as BMPs. AMAFCA will continue to include both structural and non-structural BMPs to control pollutants in stormwater runoff from AMAFCA owned facilities. AMAFCA may continue to coordinate with watershed MS4s and other entities within its jurisdiction to discuss areas requiring drainage and water quality improvements, project priorities, and multi-agency funding opportunities. As part of the development of the AMAFCA Project Schedule, a system review will be completed. AMAFCA will publish projects, including schedule and cost sharing, in the AMAFCA Project Schedule.	• AMAFCA will continue to include both structural and non-structural BMPs to control pollutants in stormwater runoff from AMAFCA owned facilities. • AMAFCA may coordinate with watershed MS4s as well as other entities within its jurisdiction during project review, complete a system review, and publish projects, including schedule and cost sharing, in the AMAFCA Project Schedule.	**Met FY 2025 Goals.** • AMAFCA continued to include both structural and non-structural BMPs to control pollutants in stormwater runoff from AMAFCA owned facilities. In addition, several structural BMPs have been constructed under the Agency and Area-Wide (A&AW) contract and Miscellaneous contract maintenance activities during the Permit term. A complete list of A&AW by FY can be provided upon request. • AMAFCA continued to work with the watershed MS4s, cooperative MS4 TAG, and other agencies to discuss and help develop strategies, where feasible, to contractually require and/or suggest BMPs on projects that AMAFCA may take over for operation and maintenance after construction. • In FY 2025, AMAFCA completed the 2025 Project Schedule which covers a six-year planning horizon (2025-2030). Coordination meetings with watershed MS4s, TAG members, and other entities occurred during the development of this Project Schedule and included the ranking of stormwater quality projects. • AMAFCA continued to be involved in the MS4 TAG group, facilitating cooperation and coordination with other MS4s in the Middle Rio Grande. • In FY 2025, the MRGSQT members continued discussions and agency implementation related to the Post-Construction Stormwater Quality Design Standards in the Middle Rio Grande Watershed study.
2.2	66	Development of an ordinance or other regulatory mechanism as required in Part I.D.5.b.(ii).(b).	Part I.D.5.b.(ii).(b) - It is not within AMAFCA's jurisdiction to enact ordinances or other legal authority mechanisms. AMAFCA is unable to develop, implement, or enforce any ordinances or regulatory mechanisms required in this section.	• AMAFCA will continue to work with the cooperative MS4 TAG and other agencies to discuss and help develop regulatory mechanisms.	**Met FY 2025 Goal.** • AMAFCA continued to be involved in the MS4 TAG, facilitating cooperation and coordination with other MS4s in the Middle Rio Grande.
2.3	67	Implementation and enforcement, via the ordinance or other regulatory mechanism of site design standards as required in Part I.D.5.b.(ii).(b).	Part I.D.5.b.(ii).(b) - It is not within AMAFCA's jurisdiction to enact ordinances or other legal authority mechanisms. AMAFCA is unable to develop, implement, or enforce any ordinances or regulatory mechanisms required in this section.	• AMAFCA will continue to work with the cooperative MS4 TAG and other agencies to discuss and help develop regulatory mechanisms.	**Met FY 2025 Goal.** • AMAFCA continued to work with the MS4 TAG and other agencies to discuss and help develop strategies, where feasible, to contractually require post-construction BMPs on projects that AMAFCA will take over for operation and maintenance after construction.

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2.4	68	Ensure appropriate implementation of post-construction structural controls as required in Part I.D.5.b.(ii).(c) and Part I.D.5.b.(ii).(d).	Part I.D.5.b.(ii).(c) - AMAFCA will continue to ensure the appropriate implementation of structural BMPs on AMAFCA owned projects through pre-construction design review (see Construction Site Stormwater Runoff Control Measure). For watershed cooperative elements, AMAFCA occasionally partners with other MS4s, such as the COA, UNM, and ExpoNM, on construction of structural BMPs. AMAFCA is also a member of the MS4 TAG. Part I.D.5.b.(ii).(d) - AMAFCA will conduct inspections at the beginning and end of construction, (see Construction Site Stormwater Runoff Control Measure), conduct Post-Construction inspection and maintenance (AMAFCA's routine O&M activities address post-construction stormwater management), and enforce contractual penalty provisions for noncompliance by the Operator during construction.	• AMAFCA will ensure the appropriate implementation of structural BMPs on AMAFCA owned projects through pre-construction design review (see Construction Site Stormwater Runoff Control Measure). • AMAFCA will continue to work with the watershed MS4s, TAG, and other agencies to discuss cooperative implementation of structural BMPs. • AMAFCA will conduct inspections as required during construction, (see Construction Site Stormwater Runoff Control Measure). • AMAFCA's Post-Construction inspections and maintenance will be through the AMAFCA O&M activities (see Pollution Prevention /Good Housekeeping Control Measure).	**Met FY 2025 Goals.** • See the Construction Site Stormwater Runoff Control Measure for pre-construction design review and inspections during construction. • AMAFCA continued to be involved in the MS4 TAG, facilitating cooperation and coordination with other MS4s in the Middle Rio Grande. • See the Pollution Prevention/Good Housekeeping Control Measure for post-construction inspections and maintenance, which are part of AMAFCA O&M activities. These inspections and maintenance continued to be discussed in the AMAFCA staff meetings. • In FY 2025, the MRGSQT members continued discussions and agency implementation related to the Post-Construction Stormwater Quality Design Standards in the Middle Rio Grande Watershed study.
2.5	69	Develop procedures as required in Part I.D.5.b.(ii).(e) - Procedure to develop and implement an educational program for project developers regarding designs to control water quality effects from stormwater, and a training program for plan review staff regarding stormwater standards, site design techniques and controls, including training regarding GI/LID/ Sustainability practices. Training may be developed independently or obtained from outside resources; Part I.D.5.b.(ii).(f) - Procedures for site inspection and enforcement to ensure proper long-term operation, maintenance, and repair of storm water management practices that are put into place as part of construction projects/activities; Part I.D.5.b.(ii).(g) - Procedures to control the discharge of pollutants related to commercial application and distribution of pesticides, herbicides, and fertilizers; and Part I.D.5.b.(ii). (h) - Procedure or system to review and update, as necessary, the existing program to ensure that storm water controls or management practices for new development and redevelopment projects/ activities continue to meet the requirements and objectives of the permit.	Part I.D.5.b.(ii).(e) - As a cooperative program, AMAFCA contributes to the Mid Rio Grande Stormwater Quality Team (MRGSQT), which includes training on GI/LID and sustainability practices. This is achieved by sponsoring conferences featuring GI/LID lectures, such as the annual Land and Water Summit. Reporting on the MRGSQT activities will be part of Public Education and Outreach on Stormwater Impacts Control Measure. Part I.D.5.b.(ii).(f) - AMAFCA is responsible for all long term inspection, operation, maintenance, and repair of its own facilities. AMAFCA will perform inspections, maintenance and repair in accordance with the established procedures in the "AMAFCA O&M Manual for Dams", the "AMAFCA O&M Repair Replacement and Rehabilitation Manual", and Project O&M Plan (Plan No. 7). This is covered in the Pollution Prevention/Good Housekeeping Control Measure. Part I.D.5.b.(ii).(g) - AMAFCA will only allow licensed staff or professionally licensed contractors to apply herbicides and pesticides within AMAFCA rights-of-way (AMAFCA does not apply fertilizers in its operations). This is covered in the Pollution Prevention/Good Housekeeping Control Measure. Part I.D.5.b.(ii).(h) - AMAFCA's routine O&M activities address post-construction stormwater management at all AMAFCA facilities.	• As a cooperative program, AMAFCA contributes to the MRGSQT. AMAFCA's educational efforts are included in the MRGSQT Outcomes Report which will summarize, if applicable, the activities where educational materials were dispersed and shared with project developers. This report is available upon request and ~~AMAFCA plans to share this document on its website~~. • AMAFCA will provide MS4 training for its staff and invite other agencies responsible for construction projects. AMAFCA may participate in other agencies' MS4 trainings. • AMAFCA's Post-Construction inspections and maintenance are conducted following the AMAFCA O&M procedures (see Pollution Prevention /Good Housekeeping Control Measure). • AMAFCA will only allow licensed staff or professionally licensed contractors to apply herbicides and pesticides within AMAFCA rights-of-way (AMAFCA does not apply fertilizers in its operations).	**Met FY 2025 Goals.** • AMAFCA only allows certified staff or professionally licensed contractors to apply herbicides and pesticides within AMAFCA right-of-way. This is also discussed in Pollution Prevention/Good Housekeeping and Public Education and Outreach Control Measures of this Annual Report.
2.6	70	Coordinate internally with all departments and boards with jurisdiction over the planning, review, permitting, or approval of public and private construction projects/ activities within the permit area as required in Part I.D.5.b.(iii) related to developed hydrology mimicking pre-development hydrology.	Part I.D.5.b.(iii) - AMAFCA does not have any internal departments or boards with jurisdiction. AMAFCA will coordinate with all entities as necessary. AMAFCA will coordinate internally and, to the extent possible and applicable, design AMAFCA facilities for compliance with developed hydrology mimicking pre-development hydrology. For AMAFCA led DMPs, Sediment Studies, Facility Plans, and WQ studies, AMAFCA will require, to the extent possible and applicable, that developed hydrology mimic pre-development hydrology. The NM OSE regulates the water delivery to the Rio Grande in order to meet water delivery requirements to Texas; therefore, AMAFCA's objective is to design its facilities to drain within 96 hours per the OSE requirements.	• AMAFCA will coordinate internally on studies and projects for MS4 Permit compliance with developed hydrology mimicking pre-development hydrology. AMAFCA will abide by the NM OSE rule and plan/design its facilities to drain within 96 hours per the OSE requirements. • AMAFCA will continue to follow the standard practice for Drainage Master Plans (DMPs) options development and consider two options for developed condition hydrology flowrates and volumes: 1) determine pond locations and volumes required on a sub-basin by sub-basin basis to mimic pre-development hydrology and, 2) determine pond locations and volumes required on a regional approach basis to mimic pre-development hydrology.	**Met FY 2025 Goals.** • AMAFCA continued to coordinate internally related to developed hydrology mimicking pre-development hydrology. All active AMAFCA Drainage Management and Water Quality Plans considered the MS4 Permit stormwater quality design standard defined in Part I.D.5.b.(ii)(b). • In FY 2025, the MRGSQT members continued discussions and agency implementation related to the Post-Construction Stormwater Quality Design Standards in the Middle Rio Grande Watershed study.

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2.7	71	As required in Part I.D.5.b.(iv), the permittee must assess all existing codes, ordinances, planning documents and other applicable regulations, for impediments to the use of GI/LID/Sustainable practices.	Part I.D.5.b.(iv) - AMAFCA does not have jurisdictional authority pertaining to codes, ordinances, planning documents and other applicable regulations, for impediments to the use of GI/LID/Sustainable practices. AMAFCA will provide information, as requested, and coordinate with other watershed MS4s for assessment of existing codes, ordinances, planning documents and other applicable regulations for impediments to the use of GI/LID/Sustainable practices. The NM OSE regulates the water delivery to the Rio Grande in order to meet water delivery requirements to Texas; therefore, AMAFCA's objective is to design its facilities to drain within 96 hours per the OSE requirements.	• AMAFCA will provide information, as requested, and coordinate and cooperate with other watershed MS4s for the assessment of existing codes, ordinances, planning documents, and other applicable regulations for impediments to the use of GI/LID/Sustainable practices.	**Met FY 2025 Goal.** • This Permit activity was conducted cooperatively with Bernalillo County in FY 2018. FY 2025 continued to focus on understanding the impediments and beginning discussions to address the findings.
2.8	72	As required in Part I.D.5.b.(iv), develop and submit a report of the assessment findings on GI/LID/Sustainable practices.	Part I.D.5.b.(iv) - AMAFCA does not have jurisdictional authority pertaining to codes, ordinances, planning documents and other applicable regulations, for impediments to the use of GI/LID/Sustainable practices. However, to the extent permitted by law, AMAFCA will comply with the requirements of this section. AMAFCA will provide information, as requested, and coordinate with other watershed MS4s for assessment of existing codes, ordinances, planning documents and other applicable regulations for impediments to the use of GI/LID/Sustainable practices.	**Met Permit Requirement - Activity is Complete. No additional measurable goals.** • AMAFCA provided information, as requested, and coordinated and cooperated with other watershed MS4s for the development of a report of the assessment of finding from Part I.D.5.b.(iv). This was completed in March 2017 and was submitted to the EPA with the Annual Report, due Dec. 1, 2017.	**No Goals Required for FY 2025.** **Met Permit Requirement - Activity is Complete.** • This Permit activity was conducted cooperatively with Bernalillo County in FY 2017 and this activity is complete.
Not Included in NOI	73	As required in Part I.D.5.b.(v), Alternative compliance for infeasibility due to Site Constraints. Part I.D.5.b.(v).(a) - Infeasibility to manage the design standard volume specified in Part I.D.5.b.(ii).(b), or a portion of the design standard volume, onsite may result from site constraints including: A. too small a lot outside of the building footprint to create the necessary infiltrative capacity even with amended soils; B. soil instability as documented by a thorough geotechnical analysis; C. a site use that is inconsistent with capture and reuse of storm water; D. other physical conditions; or, E. to comply with applicable requirements for on-site flood control structures leaves insufficient area to meet the standard. Part I.D.5.b.(v).(b) - A determination that it is infeasible to manage the design standard volume specified in Part I.D.5.b.(ii).(b), or a portion of the design standard volume, on site may not be based solely on the difficulty or cost of implementing onsite control measures, but must include multiple criteria that rule out an adequate combination of the practices set forth in Part I.D.5.b.(v).	Part I.D.5.b.(v).(a) and (b) - As previously mentioned, all AMAFCA projects are regional flood control or stormwater quality projects that function as BMPs, and AMAFCA does not have jurisdictional authority pertaining to new development or redevelopment activities. Therefore, AMAFCA itself will likely not have requirements for alternative compliance regarding infeasibility to manage the post construction design standard volume. However, AMAFCA's regional facilities may offer other MS4s an option for alternative compliance to manage the post-construction stormwater quality volume. The on-site stormwater management decisions and feasibility will typically be determined during development by other agencies (COA, Bernalillo County, etc.). AMAFCA will continue coordination with and support these agency decisions, as appropriate. AMAFCA's involvement will typically occur during the development review or stake-holder review.	• AMAFCA will continue to coordinate with and support these agency decisions, as appropriate, related to on-site stormwater management decisions and feasibility. AMAFCA's involvement will typically occur during the development review or stake-holder review. AMAFCA's regional facilities may offer other MS4s an option for alternative compliance to manage the post-construction stormwater quality volume.	**Met FY 2025 Goal.** • AMAFCA coordinated with and supported community agency decisions, as appropriate, related to on-site stormwater management decisions and feasibility. AMAFCA's involvement typically occurred during the development review or stake-holder review.

NOI Section	ID	Permit Activity Description	Plan SWMP Rev. 7 - July 1, 2024	Measurable Goal SWMP Rev. 7 - July 1, 2024	Status of Implementation and Performance Assessment Permit Year July 2024 to June 2025 (FY 2025)
Not Included in NOI	74	Part I.D.5.b.(v) continued - Part I.D.5.b.(v).(c) - This permit does not prevent imposition of more stringent requirements related to flood control. Where both the permittee's site design standard ordinance or policy and local flood control requirements on site cannot be met due to site conditions, the standard may be met through a combination of on-site and off-site controls. Part I.D.5.b.(v).(d) - Where applicable New Mexico water law limits the ability to fully manage the design standard volume on site, measures to minimize increased discharge consistent with requirements under New Mexico water law must still be implemented. Part I.D.5.b.(v).(e) - In instances where an alternative to compliance with the standard on-site is chosen, technical justification as to the infeasibility of on-site management of the entire design standard volume, or a portion of the design standard volume, is required to be documented by submitting to the permittee a site-specific hydrologic and/or design analysis conducted and endorsed by a registered professional engineer, geologist, architect, and/or landscape architect.	Part I.D.5.b.(v).(c) - AMAFCA's primary function is to provide regional flood control; this includes stormwater quality projects that function as BMPs. Flood control requirements will continue to be required. Part I.D.5.b.(v).(d) - The NM ISC/OSE regulates the water delivery to the Rio Grande in order to meet water delivery requirements to Texas; therefore, AMAFCA's objective is to design its facilities to drain within 96 hours per the OSE requirements. Using AMAFCA facilities for off-site mitigation would assure the community that New Mexico water law limits are being met at the AMAFCA facilities. Part I.D.5.b.(v).(e) - Alternatives to compliance for on-site requirements are discussed below. AMAFCA itself will likely not have requirements for alternative compliance regarding infeasibility to manage the post construction stormwater quality volume. However, AMAFCA's regional facilities may offer other MS4s an option for alternative compliance to manage the post construction stormwater quality volume.	• AMAFCA will continue its primary function is to provide regional flood control; this includes stormwater quality projects that function as BMPs. Flood control requirements will continue to be required. • AMAFCA will abide by the NM OSE rule and plan/design its facilities to drain within 96 hours per the ISC/OSE guidance document. Using AMAFCA facilities for off-site mitigation would assure the community that New Mexico water law limits are being met at the AMAFCA facilities. • AMAFCA's regional facilities may offer other MS4s an option for alternative compliance to manage the post construction stormwater quality volume.	**Met FY 2025 Goals.** • AMAFCA continued its primary function to provide regional flood control; this included stormwater quality projects that function as BMPs. Flood control requirements will continue to be required. • AMAFCA abided by the NM ISC/OSE rule and plan/design its facilities to drain within 96 hours per the ISC/OSE requirements and guidelines. • AMAFCA continued discussions with Middle Rio Grande MS4 permittees regarding using AMAFCA's regional facilities as an option for alternative compliance to manage the post construction stormwater quality volume.
Not Included in NOI	75	As required in Part I.D.5.b.(v).(f), when a Permittee determines a project applicant has demonstrated infeasibility due to site constraints specified in Part I.D.5.b.(v) to manage the design standard volume specified in Part I.D.5.b.(ii).(b) or a portion of the design standard volume on-site, the Permittee shall require one of the following mitigation options: A. The off-site mitigation option only applies to redevelopment sites and cannot be applied to new development. Management of the standard volume, or a portion of the volume, may be implemented at another location within the MS4 area, approved by the permittee. The permittee shall identify priority areas within the MS4 in which mitigation projects can be completed and shall determine who will be responsible for long-term maintenance on off-site mitigation projects. B. Implementation of a project that has been determined to provide an opportunity to replenish regional ground water supplies at an offsite location. C. Payment in lieu may be made to the permittee, who will apply the funds to a public storm water project. MS4s shall maintain a publicly accessible database of approved projects for which these payments may be used.	Part I.D.5.b.(v).(f) - AMAFCA may continue to coordinate with watershed MS4s and other entities within its jurisdiction to discuss areas requiring drainage and water quality improvements, project priorities, and multi-agency funding opportunities. Off-site stormwater quality mitigation projects will be included in these discussions. As part of the development of the AMAFCA Project Schedule, a system review will be completed. AMAFCA will publish projects, including schedule and cost sharing, in the AMAFCA Project Schedule. AMAFCA, as part of the MS4 TAG, has discussed with EPA Region 6 (verbally and in writing) the MS4 Permit language for this section. The MS4 TAG members and EPA discussed how some of the terms/language of the Permit may limit the flexibility of the MS4s to allow off-site stormwater mitigation. The MS4s identified terms in the Permit which restrict the flexibility to achieve stormwater quality objectives by using alternate methods of compliance with post-construction permit requirements. The MS4 TAG provided this in writing to EPA on August 19, 2017 (letter from Dave Gatterman, SSCAFCA, "August 8, 2016 Meeting Follow-up"). This letter included scanned page 30 of Permit No. NMR04A000 to illustrate language changes the MS4 TAG think would allow the permittees to move forward and comply with both the Permit and state statute. Removing these limitations relative to post construction runoff will better allow the permittees flexibility to comply with New Mexico water law, protect the quality of the river, and not overly constrict development of our arid watershed. AMAFCA will continue discussions with EPA Region 6 regarding Permit language related to off-site stormwater mitigation.	• AMAFCA may coordinate with watershed MS4s as well as other entities during project review, complete a system review, and publish projects, including schedule and cost sharing, in the AMAFCA Project Schedule. Off-site stormwater quality mitigation projects may be included in these discussions. • AMAFCA will continue discussions with EPA Region 6 regarding Permit language related to off-site stormwater mitigation. Removing these Permit limitations relative to post construction runoff will better allow the permittees flexibility to comply with New Mexico water law, protect the quality of the river, and not overly constrict development of our arid watershed.	**Met FY 2025 Goals.** • In FY 2025, AMAFCA completed the 2025 Project Schedule which covers a six-year planning horizon (2025-2030). Coordination meetings with watershed MS4s, TAG members, and other entities occurred during the development of this Project Schedule and included the ranking of stormwater quality projects. • AMAFCA continued discussions with stakeholders regarding Permit language related to off-site stormwater quality mitigation. Utilizing the Permit opportunities relative to post construction runoff will better allow the permittees flexibility to comply with New Mexico water law, protect the quality of the river, and not overly constrict development of our arid watershed.
2.9	76	Estimation of the number of acres of IA and DCIA as required in Part I.D.5.b.(vi).	Part I.D.5.b.(vi) - AMAFCA will estimate the Impervious Area (IA) and Directly Connected Impervious Area (DCIA) within AMAFCA's jurisdiction and/or rights of way.	• AMAFCA will estimate the IA and DCIA within AMAFCA's jurisdiction and/or rights of way. AMAFCA will update this estimate, as appropriate, given development in the watersheds. This will be a cooperative effort with other watershed MS4s.	**Met FY 2025 Goal.** • This Permit activity was conducted cooperatively in FY 2025.

NOI Section	ID	Permit Activity Description	Plan SWMP Rev. 7 - July 1, 2024	Measurable Goal SWMP Rev. 7 - July 1, 2024	Status of Implementation and Performance Assessment Permit Year July 2024 to June 2025 (FY 2025)
2.10	77	Inventory and priority ranking as required in Part I.D.5.b.(vii) for MS4-owned property and infrastructure (including public right-of-way) that may have the potential to be retrofitted with control measures designed to control the frequency, volume, and peak intensity of stormwater discharges to and from its MS4. The NM Office of the State Engineer (OSE) regulates the water delivery to the Rio Grande in order to meet water delivery requirements to Texas; therefore, AMAFCA's objective is to design its facilities to drain within 96 hours per the OSE requirements.	Part I.D.5.b.(vii) - AMAFCA will continue to keep an inventory and develop a priority ranking of AMAFCA owned properties and facilities that may have the potential for retrofitted control measures and stormwater quality facilities and BMPs. AMAFCA may continue to coordinate with watershed MS4s and other entities within its jurisdiction to discuss areas requiring drainage and water quality retrofits, project priorities, and multi-agency funding. AMAFCA will publish projects, including schedule and cost sharing, in the AMAFCA Project Schedule. As part of the development of the AMAFCA Project Schedule, a system review will be completed. Internally, using the Project Schedule, water quality projects and water quality retrofit projects may be ranked and tabulated. AMAFCA may evaluate the existing BMPs based on their effectiveness and capacity in order to identify where additional BMPs are needed. AMAFCA is also a member of the cooperative MS4 TAG, facilitating cooperation and coordination with other watershed MS4s. AMAFCA will complete, as allowed, updated hydrologic analyses for the Rio Grande watersheds to assist with determining priority ranking.	• AMAFCA may continue to coordinate with watershed MS4s and other entities within its jurisdiction to discuss the areas requiring drainage and water quality retrofitting within the Middle Rio Grande Watershed, project priorities, and multi-agency funding contributions. • AMAFCA will publish the AMAFCA-funded projects, including the schedule and proposed cost-sharing, in the AMAFCA Project Schedule. As part of the development of the AMAFCA Project Schedule, a system review will be completed. AMAFCA may utilize the Project Schedule, in part, to rank and tabulate water quality projects and water quality retrofit projects. • AMAFCA will continue membership and involvement in the cooperative MS4 TAG which will facilitate cooperation and coordination with other MS4s in the Middle Rio Grande. • AMAFCA will complete updated hydrologic analyses, utilizing the AMAFCA White Paper Methodology, for the NDC watersheds, to assist with determining priority ranking.	**Met FY 2025 Goals.** • In FY 2025, AMAFCA completed the 2025 Project Schedule which covers a six-year planning horizon (2025-2030). Coordination meetings with watershed MS4s, TAG members, and other entities occurred during the development of this Project Schedule and included the ranking of stormwater quality projects. • In FY 2025, AMAFCA continued working on Drainage Management Plans (DMPs) and Water Quality Plans to plan for flood protection and water quality volumes.
2.11	78	Incorporate watershed protection elements into regular planning or policy documents as required in Part I.D.5.b.(viii). As applicable to each permittee's MS4 jurisdiction, policy and/or planning documents must include the following: Part I.D.5.b.(viii).(a) - A description of master planning and project planning procedures to control the discharge of pollutants to and from the MS4. Part I.D.5.b.(viii).(b) - Minimize the amount of impervious surfaces (roads, parking lots, roofs, etc.) within each watershed, by controlling the unnecessary creation, extension and widening of impervious parking lots, roads and associated development. Part I.D.5.b.(viii) (c) - Identify environmentally and ecologically sensitive areas that provide water quality benefits and serve critical watershed functions within the MS4 and ensure requirements to preserve, protect, create and/or restore these areas are developed and implemented during the plan and design phases of projects in these identified areas.	Part I.D.5.b.(viii).(a) - AMAFCA will continue to produce and publish the AMAFCA Project Schedule for all regional drainage and water quality projects within AMAFCA's jurisdiction that will either be led or partly funded by AMAFCA. For the projects led by AMAFCA, watershed protection elements may be incorporated, when feasible, into drainage management plans, as appropriate, in order to identify watersheds which can be retrofitted with regional water quality facilities. Part I.D.5.b.(viii).(b) - This section is not applicable to AMAFCA's projects, which are regional flood control or water quality projects. Part I.D.5.b.(viii).(c) - During planning of AMAFCA projects, environmentally and ecologically sensitive areas that provide water quality benefits are considered.	• Produce and publish the AMAFCA Project Schedule. • AMAFCA may coordinate with MS4s to provide input for project planning of infrastructure retrofitting. • For projects led by AMAFCA, watershed protection elements may be incorporated into Drainage Management Plans, as appropriate, in order to identify watersheds which potentially can be retrofitted with regional water quality facilities. • All AMAFCA projects will obtain USFWS, USACE, and/or pueblo consultation, if required.	**Met FY 2025 Goals.** • In FY 2025, AMAFCA completed the 2025 Project Schedule which covers a six-year planning horizon (2025-2030). Coordination meetings with watershed MS4s, TAG members, and other entities occurred during the development of this Project Schedule and included the ranking of stormwater quality projects. • In FY 2025, AMAFCA continued working on Drainage Management Plans (DMPs) and Water Quality Plans to plan for watershed flood protection and water quality volumes.

NOI Section	ID	Permit Activity Description	Plan SWMP Rev. 7 - July 1, 2024	Measurable Goal SWMP Rev. 7 - July 1, 2024	Status of Implementation and Performance Assessment Permit Year July 2024 to June 2025 (FY 2025)
2.11	79	Continuation of incorporate watershed protection elements into regular planning or policy documents as required in Part I.D.5.b.(viii). Part I.D.5.b.(viii).(d) - Implement stormwater management practices that minimize water quality impacts to streams, including disconnecting direct discharges to surface waters from impervious surfaces such as parking lots. Part I.D.5.b.(viii).(e) - Implement stormwater management practices that protect and enhance groundwater recharge as allowed under the applicable water rights laws. Part I.D.5.b.(viii).(f) - Seek to avoid or prevent hydromodification of streams and other water bodies caused by development, including roads, highways, and bridges. Part I.D.5.b.(viii).(g) - Develop and implement policies to protect native soils, prevent topsoil stripping, and prevent compaction of soils. Part I.D.5.b.(viii).(h) - The program must be specifically tailored to address local community needs (e.g. protection to drinking water sources, reduction of water quality impacts) and must be designed to attempt to maintain pre-development runoff conditions.	Part I.D.5.b.(viii).(d) - This section is rarely applicable to AMAFCA's projects. In the arid southwest, direct discharges to surface waters are rare. Part I.D.5.b.(viii).(e) - The NM OSE regulates the water delivery to the Rio Grande in order to meet water delivery requirements to Texas; therefore, AMAFCA's objective is to design its facilities to drain within 96 hours per the OSE requirements. Part I.D.5.b.(viii).(f) - AMAFCA projects, to the extent feasible and as consistent with O&M of sediment removal, will continue to seek to avoid or prevent hydromodification of streams and other water bodies. Part I.D.5.b.(viii).(g) - AMAFCA projects and those in coordination with other MS4s, will, to the extent possible, protect native soils, prevent topsoil stripping, and prevent compaction of soils. Part I.D.5.b.(viii).(h) - AMAFCA does not have jurisdictional authority pertaining to development or redevelopment activities. However, through AMAFCA's involvement with the MRGSQT and TAG, AMAFCA will support programs tailored to address local community needs and that are designed to attempt to maintain pre-development runoff conditions.	• AMAFCA will develop written procedures that include applicable watershed protection elements in Part I.D.5.b.(viii).(f), (g) and (h) as required in the MS4 Permit and as applicable to AMAFCA. • AMAFCA will continue to contribute and participate in the MRGSQT, which supports programs tailored to address local community needs and are designed to attempt to maintain pre-development runoff conditions. • AMAFCA will complete updated hydrologic analyses, utilizing the AMAFCA White Paper Methodology, for the NDC watersheds, to assist with understanding options for maintaining pre-development runoff conditions.	**Met FY 2025 Goals.** • Many of these applicable Permit activities are being conducted cooperatively. • AMAFCA continued to contribute and participate in the MRGSQT, which supports programs tailored to address local community needs and are designed to attempt to maintain pre-development runoff conditions.
Not Included in NOI	80	Update the SWMP document and annual report as required in Part I.D.5.b.(ix) and Part I.D.5.b.(x). The permittee must update the SWMP as necessary to include a description of the mechanism(s) utilized to comply with the permit elements listed above as well as the citations/descriptions of design standards for structural and non-structural controls to control pollutants in runoff. The following information must be included in each Annual Report: Part I.D.5.b.(x).(a) - Include a summary and analysis of all maintenance, inspections and enforcement, and the number and frequency of inspections performed annually. Part I.D.5.b.(x).(b) - A cumulative listing of the annual modifications made to the Post-Construction Stormwater Management Program, and Part I.D.5.b.(x).(c) - According to the schedule presented in Table 3, the permittee must: A. Report the no. of MS4-owned properties and infrastructure that have been retrofitted with control measures designed to control the frequency, volume, and peak intensity of stormwater discharges. B. As required in Part I.D.5.b.(vi), report the tabulated results for IA & DCIA and its estimation methodology.	Part I.D.5.b.(ix) - AMAFCA will update the SWMP as necessary to comply with the permit elements listed above as well as the citations and descriptions of design standards for structural and non-structural controls to control pollutants in stormwater runoff, including discussion of the methodology used during design for estimating impacts to water quality and selecting structural and non-structural controls. Part I.D.5.b.(x).(a) - AMAFCA tracks all crew activity related to maintenance of all water quality structures. Part I.D.5.b.(x).(b) - AMAFCA does not have any development or redevelopment projects - all AMAFCA projects are regional flood control or water quality projects. AMAFCA will continue to maintain a cumulative listing of the annual modifications made to the Post-Construction Stormwater Management Program. Part I.D.5.b.(x).(c).A - AMAFCA will continue to maintain a list of properties and infrastructure within AMAFCA rights-of-way that have been retrofitted with control measures designed to control frequency, volume and peak intensity of stormwater discharges. Part I.D.5.b.(x).(c).B - AMAFCA will estimate the Impervious Area (IA) and Directly Connected Impervious Area (DCIA) within AMAFCA's jurisdiction and/or rights of way (refer to ID 76).	• AMAFCA will update the SWMP as necessary to comply with the permit elements listed above. • AMAFCA will continue to annually inspect and track all crew activity related to maintenance of all AMAFCA owned water quality structures. • AMAFCA will continue to maintain a cumulative listing of the annual modifications made to the Post-Construction Stormwater Management Program. • AMAFCA will continue to provide a cumulative list of AMAFCA's retrofit BMPs. AMAFCA will incorporate documentation by reference into the Annual Report and plans to document progress on the AMAFCA website. • AMAFCA will estimate the IA and DCIA within AMAFCA's jurisdiction and/or rights of way. AMAFCA will update this estimate, as appropriate, given development in the watersheds. This will be a cooperative effort with other watershed MS4s (refer to ID 76).	**Met FY 2025 Goals.** • AMAFCA conducted site inspections for 100% of the AMAFCA construction projects in accordance with this MS4 Permit in FY 2025. • Lists of MS4 program modifications and facility modifications/retrofits are available upon request.

NOI Section	ID	Permit Activity Description	Plan SWMP Rev. 7 - July 1, 2024	Measurable Goal SWMP Rev. 7 - July 1, 2024	Status of Implementation and Performance Assessment Permit Year July 2024 to June 2025 (FY 2025)
2.12	81	Enhance the program to include the elements in Part I.D.5.b.(xi) and Part I.D.5.a.(xii). These include: Part I.D.5.b.(xi) - Use of stormwater educational materials; and Part I.D.5.b.(xii) - When choosing appropriate BMPs, the permittee may participate in locally-based watershed planning efforts, which attempt to involve a diverse group of stakeholders including interested citizens. and Part I.D.5.b.(xiii) - The permittee may incorporate the following elements in the Post-Construction Stormwater Management in New Development and Redevelopment program required in Part I.D.5.b.(ii)(b): (a) Provide requirements and standards to direct growth to identified areas to protect environmentally and ecologically sensitive areas such as floodplains and/or other areas with endangered species and historic properties concerns; (b) Include requirements to maintain and/or increase open space/buffers along sensitive water bodies, minimize impervious surfaces, and minimize disturbance of soils and vegetation; and (c) Encourage in fill development in higher density urban areas, and areas with existing storm sewer infrastructure.	Part I.D.5.b.(xi) - As part of the MRGSQT, AMAFCA will continue to use stormwater educational materials, either developed locally or provided by EPA, NMED environmental groups, public interest groups, trade organizations, and/or other MS4 as well as utilizing the MRGSQT. Part I.D.5.b.(xii) - AMAFCA may continue to participate in the watershed-planning efforts with other MS4s in order to publish the AMAFCA Project Schedule. AMAFCA will continue membership and involvement in the cooperative MS4 TAG, which will facilitate cooperation and coordination with other MS4s in the Middle Rio Grande watershed. Part I.D.5.b.(xiii) - These program enhancements are outside the AMAFCA's authority and mission. However, AMAFCA will cooperate with other watershed MS4s, as applicable, to support this program enhancement.	• AMAFCA will continue to contribute and participate in the MRGSQT. The MRGSQT Outcomes Report will summarize the activities where educational materials were dispersed and shared with the public. This report is available upon request. • AMAFCA may coordinate with MS4s for project planning of infrastructure retrofitting. AMAFCA will continue to produce and publish the AMAFCA Project Schedule. • AMAFCA will continue membership and involvement in the cooperative MS4 Technical Advisory Group (MS4 TAG) which will facilitate cooperation and coordination with other MS4s in the Middle Rio Grande.	**Met FY 2025 Goals.** • AMAFCA continued to contribute and participate in the MRGSQT, which supports post-construction education and outreach programs. The Outcomes Report is contained in the Program Summaries section of the Annual Report. • In FY 2025, AMAFCA completed the 2025 Project Schedule which covers a six-year planning horizon (2025-2030). Coordination meetings with watershed MS4s, TAG members, and other entities occurred during the development of this Project Schedule and included the ranking of stormwater quality projects. • AMAFCA continued to be involved in the MS4 TAG group, facilitating cooperation and coordination with other MS4s in the Middle Rio Grande. • AMAFCA participated as a review partner for the Bernalillo County's updated technical standards, which includes the Green Stormwater Infrastructure/Low Impact Development (GSI/LID) Standards document. During 2024, Bernalillo County completed updating its Technical Standards. Integration of GSI/LID into the Technical Standards and review process was a key focus of this update. As a part of this update, the County developed a stand-alone GSI/LID Standards document that identifies GSI/LID BMPs that are arid-appropriate and support Bernalillo County's Stormwater Quality Ordinance, representing an increased commitment from the County toward the goal of broad implementation of GSI/LID in the MRG watershed.
2.13	82	Item from MS4 Permit NOI. Describe other proposed activities to address the Post-Construction Stormwater Management in New Development and Redevelopment Measure.	Because AMAFCA is a flood control authority, the legal authority and jurisdiction granted to it by the State of New Mexico is limited. AMAFCA has begun requiring, and will continue to require, MS4 permit elements into construction contracts.	• AMAFCA will continue, as appropriate, to insert MS4 Permit elements into construction contracts to provide AMAFCA with a contractual mechanism for MS4 elements.	**Met FY 2025 Goals.** • AMAFCA continued to, as appropriate, insert MS4 Permit elements into construction contracts to provide AMAFCA with a contractual mechanism for MS4 elements.

NOI Section	ID	Permit Activity Description	Plan SWMP Rev. 7 - July 1, 2024	Measurable Goal SWMP Rev. 7 - July 1, 2024	Status of Implementation and Performance Assessment Permit Year July 2024 to June 2025 (FY 2025)
	83	**TABLE 4: Pollution Prevention/Good Housekeeping for Municipal/Co-permittee Operations - Part I.D.5.c**			
3.1	84	Develop or update the Pollution Prevention/Good Housekeeping program to include the elements in Part I.D.5.c.(i). Elements include: Part I.D.5.c.(i).(a) - Employee training program to incorporate pollution prevention and good housekeeping, including a tracking procedure; Part I.D.5.c.(i).(b) - O&M activities, schedules, and long term inspections procedures for structural and non-structural stormwater controls; Part I.D.5.c.(i).(c) - Controls for reducing or eliminating the discharge of pollutants from AMAFCA maintenance and storage yards and shop; Part I.D.5.c.(i).(d) - Procedures for properly disposing of waste removed from separate storm sewers and facilities listed in Part I.D.5.c.(i).(c) (such as dredged spoil, accumulated sediments, floatables, and other debris); Part I.D.5.c.(i).(e) - Procedures to ensure that new flood management projects assess the impacts on water quality and examine existing projects for incorporating additional water quality protection devices or practices .	Part I.D.5.c.(i) - AMAFCA will continue its Pollution Prevention/Good Housekeeping Program. Part I.D.5.c.(i).(a) - AMAFCA will continue employee training as it becomes available to incorporate pollution prevention and good housekeeping; Part I.D.5.c.(i).(b) - AMAFCA will adhere to its current O&M and Safety procedures, which include employee training for maintenance of AMAFCA flood control and water quality facilities and BMPs. Part I.D.5.c.(i).(c) - AMAFCA will implement and maintain controls for reducing the discharge of pollutants from AMAFCA maintenance and storage yards and shop; Part I.D.5.c.(i).(d) - AMAFCA will develop procedures, where appropriate, for properly disposing of waste removed from AMAFCA facilities (sediment, floatables, and other debris); Part I.D.5.c.(i).(e) - AMAFCA ensures that new projects will assess the impacts on water quality and existing projects will be examined for retrofit opportunities as part of AMAFCA's Post Construction Control Measures.	• AMAFCA will document training provided to its employees & include pollution prevention and good housekeeping into training, as needed. • AMAFCA encourages that crew members are trained in spill prevention & control, as well as truck fueling activities during the Permit term. • AMAFCA will adhere to its current O&M and Safety Procedures. • In the Annual Report, AMAFCA will consider projected costs for the operation and maintenance of its stormwater quality facilities. • AMAFCA will review new projects to assess the impacts on water quality and will examine existing projects for retrofit opportunities as part of AMAFCA's Post Construction Control Measure.	**Met FY 2025 Goals.** • In FY 2025, stormwater continued to be a topic at the staff and crew meetings, including discussions related to pollution prevention and good housekeeping. • Training records for AMAFCA staff & crew are available upon request. • In FY 2025, AMAFCA adhered to its current O&M and Safety Procedures. • The FY 2025 annual cost for maintenance of its stormwater quality facilities is available upon request. • Refer to AMAFCA's Post Construction Control Measure in this Annual Report for additional information on new and retrofit project assessments for impacts on water quality. • In FY 2025, AMAFCA completed the 2025 Project Schedule which covers a six-year planning horizon (2025-2030). Coordination meetings with watershed MS4s, TAG members, and other entities occurred during the development of this Project Schedule and included the ranking of stormwater quality projects.
3.2	85	The program will include the elements in Part I.D.5.c.(ii). These include: Part I.D.5.c.(ii).(a) - Develop or update the existing list of all stormwater quality facilities by drainage basin, including location and description;	Part I.D.5.c.(ii).(a) - As part of the Program, AMAFCA will continue to up-date a map of all stormwater quality facilities by drainage basin, including location and description.	• AMAFCA will continue to up-date a map of all AMAFCA stormwater quality facilities by drainage basin, including location and description.	**Met FY 2025 Goal.** • AMAFCA's crew tracking system and database lists each of its stormwater quality facilities by drainage basin. These facilities are also shown on AMAFCA Maintenance Map, available online: https://amafca.org/gis-maps-data/
3.2	86	Part I.D.5.c.(ii).(b) - Develop or modify existing operational manual for de-icing activities addressing alternate materials and methods to control impacts to stormwater quality;	Part I.D.5.c.(ii).(b) - N/A - AMAFCA only has jurisdiction to maintain its facilities; AMAFCA does not engage in the following: de-icing, roadway debris control, street sweeping, or roadway pollutant removal.	N/A	N/A
3.2 & 3.4	87	Part I.D.5.c.(ii).(c) - Develop or modify existing program to control pollution in stormwater runoff from equipment and vehicle maintenance yards and maintenance center operations located within the MS4;	Part I.D.5.c.(ii).(c) - For compliance with this section of the MS4 Permit, AMAFCA's focus is to evaluate and modify, where necessary, the existing program to control pollution in stormwater runoff from AMAFCA's equipment and vehicle maintenance yard and satellite facilities.	• AMAFCA will continue to implement and maintain administrative and structural BMPs.	**Met FY 2025 Goals.** • AMAFCA continued to review the Good Housekeeping Assessments for AMAFCA facilities.
3.2	88	Part I.D.5.c.(ii).(d) - Develop or modify existing street sweeping program. Assess possible benefits from changing frequency or timing of sweeping activities or utilizing different equipment for sweeping activities;	Part I.D.5.c.(ii).(d) - N/A - AMAFCA only has jurisdiction to maintain its facilities; AMAFCA does not engage in the following: de-icing, roadway debris control, street sweeping, or roadway pollutant removal.	N/A	N/A
3.2	89	Part I.D.5.c.(ii).(e) - A description of procedures used by permittees to target roadway areas most likely to contribute pollutants to and from the MS4 (i.e., runoff discharges directly to sensitive receiving water, roadway receives majority of de-icing material, roadway receives excess litter, roadway receives greater loads of oil and grease);	Part I.D.5.c.(ii).(e) - AMAFCA only has jurisdiction to maintain its facilities; AMAFCA does not engage in the following: de-icing, roadway debris control, street sweeping, or roadway pollutant removal. AMAFCA will continue coordination, as applicable, with other MS4s in the watershed related to illicit discharge detection and elimination from roadways - refer to the Illicit Discharges and Improper Disposal Control Measure.	N/A	N/A

NOI Section	ID	Permit Activity Description	Plan SWMP Rev. 7 - July 1, 2024	Measurable Goal SWMP Rev. 7 - July 1, 2024	Status of Implementation and Performance Assessment Permit Year July 2024 to June 2025 (FY 2025)
3.2	90	Part I.D.5.c.(ii).(f) - Develop or revise existing standard operating procedures for collection of used motor vehicle fluids (at a minimum oil and antifreeze) and toxics (including paint, solvents, fertilizers, pesticides, herbicides, and other hazardous materials) used in permittee operations or discarded in the MS4, for recycle, reuse, or proper disposal.	Part I.D.5.c.(ii).(f) - For compliance with this section of the MS4 Permit, AMAFCA's focus is to evaluate and modify, where necessary, the existing program to control pollution in stormwater runoff from the equipment and vehicle maintenance yard.	• AMAFCA will maintain the existing program to control polluted stormwater runoff from its equipment and maintenance yard. • AMAFCA will continue to implement and maintain BMPs.	**Met FY 2025 Goals.** • AMAFCA continued the existing program to control pollutants to stormwater runoff from its equipment and maintenance yard. • AMAFCA coordinated with local landfills for appropriate testing requirements for material disposal as a result of maintaining agency equipment, as needed. • AMAFCA continued to review the Good Housekeeping Assessments for AMAFCA facilities.
3.2	91	Part I.D.5.c.(ii).(g) - Standard operating procedure for disposal of accumulated sediments, floatables, and debris;	Part I.D.5.c.(ii).(g) - AMAFCA performs waste disposal for sediment, floatables, and other debris in accordance with the "AMAFCA Operations and Maintenance Manual for Dams" and "AMAFCA Operation and Maintenance Repair Replacement and Rehabilitation Manual" (OMRRR). As a cooperative program, AMAFCA is a participant in an OMRRR with Bernalillo County, the MRGCD, and the Bureau of Reclamation related to facilities that are connected to MRGCD ditches (primarily in the SW Valley of Albuquerque).	• Continue to perform all waste disposal for sediment, floatables, and other debris in accordance with the operation and maintenance manuals and direct vendor contractors to collect and dispose of trash, floatables, and debris. • AMAFCA will develop standard operating procedures, as applicable, for these disposal activities. • AMAFCA will continue to participate, as appropriate, in the Operation Maintenance Repair, Replacement, and Rehabilitation (OMRRR) - Southwest Valley Flood Reduction Project cooperative program with MRGCD, Bernalillo County, and Bureau of Reclamation.	**Met FY 2025 Goals.** • AMAFCA continued to perform all waste disposal for sediment, floatables and other debris in accordance with the O&M manuals and direct vendor contractors to collect and dispose of trash, floatables, and debris. • AMAFCA continued to follow standard operating procedures, as applicable. • AMAFCA coordinated with local landfills for appropriate testing requirements for material disposal as a result of maintaining agency equipment, as needed. • AMAFCA continued to participate in the OMRRR - cooperative program with MRGCD, Bernalillo County, and Bureau of Reclamation.
3.2	92	Part I.D.5.c.(ii).(h) - litter source control program, include targeted public awareness campaign;	Part I.D.5.c.(ii).(h) - Through involvement in the MRGSQT, AMAFCA will continue to collaborate with the MS4 permittees to improve upon the existing litter source control program, including a targeted public awareness campaign.	• AMAFCA will continue its involvement with and financial support of the MRGSQT. • AMAFCA will continue to collaborate with the MS4 permittees to improve upon the existing litter source control program. • The MRGSQT Outcomes Report is available upon request.	**Met FY 2025 Goals.** • AMAFCA continued to contribute and participate in the MRGSQT, which supports litter source control public awareness programs. The MRGSQT Outcomes Report is contained in the Program Summaries section of the Annual Report. A summary of trash removed from all AMAFCA facilities is provided in a Program Summary and information related to each AMAFCA facility is available upon request.
3.2	93	Part I.D.5.c.(ii).(i) - Develop or review and revise, as necessary, the criteria, procedures and schedule to evaluate existing flood control devices, structures and drainage ways to assess the potential of retrofitting to provide additional pollutant removal from stormwater. Implement routine review to ensure new and/or innovative practices are implemented where applicable.	Part I.D.5.c.(ii).(i) - AMAFCA may continue to coordinate with watershed MS4s and other entities within its jurisdiction to discuss areas requiring drainage and water quality retrofits, project priorities, and multi-agency funding. AMAFCA will publish projects, including schedule and cost sharing, in the-AMAFCA Project Schedule. Operation and Maintenance procedures, inspections, repairs, and retrofits are evaluated through the annual cooperative Agency and Area Wide and Miscellaneous contracts.	• AMAFCA may continue to coordinate with watershed MS4s and other entities within its jurisdiction to discuss the areas requiring drainage and water quality retrofitting within the Middle Rio Grande Watershed, project priorities, and multi-agency funding contributions. AMAFCA will continue to produce and publish the AMAFCA Project Schedule, which includes projects for retrofitting existing flood control devices, structures and drainage ways to provide additional pollutant removal from stormwater. • AMAFCA will continue to participate in the cooperative Agency and Area Wide contract and utilize the Miscellaneous contract to address rehabilitation, repair, and retrofit activities for AMAFCA structures.	**Met FY 2025 Goals.** • In FY 2025, AMAFCA completed the 2025 Project Schedule which covers a six-year planning horizon (2025-2030). Coordination meetings with watershed MS4s, TAG members, and other entities occurred during the development of this Project Schedule and included the ranking of stormwater quality projects. • AMAFCA continued to utilize the Agency and Area Wide and Miscellaneous contracts to address rehabilitation, repair, and retrofit activities for AMAFCA structures and cooperative maintenance projects.

NOI Section	ID	Permit Activity Description	Plan SWMP Rev. 7 - July 1, 2024	Measurable Goal SWMP Rev. 7 - July 1, 2024	Status of Implementation and Performance Assessment Permit Year July 2024 to June 2025 (FY 2025)
3.2	94	Part I.D.5.c.(ii).(j) -Enhance inspection and maintenance programs by coordinating with maintenance personnel to ensure that a target number of structures per basin are inspected and maintained per quarter;	Part I.D.5.c.(ii).(j) - AMAFCA has in place a well-defined and implemented routine inspection and O&M program that includes both formal and informal inspections and maintenance schedules. This program will be enhanced to ensure a target number of structures per basin are inspected and maintained per quarter, as required by the MS4 Permit, for annual compliance with the MS4 Permit. AMAFCA will enhance its inspection and maintenance programs, as required by the MS4 Permit, through improved coordination. AMAFCA will, depending on funding available, utilize the Agency and Area Wide and Miscellaneous contracts to address portions of the required inspection and maintenance.	• AMAFCA will continue coordination between maintenance personnel and staff to ensure that, on average, two (2) structures per basin are inspected and maintained per quarter. • AMAFCA will, depending on funding available, utilize the Agency and Area Wide and Miscellaneous contracts to address portions of the required inspection and maintenance.	**Met FY 2025 Goals.** • AMAFCA O&M activities are regularly discussed and coordinated with AMAFCA Staff and the operations team meetings. • In this Permit term, AMAFCA inspected AMAFCA structures as required by the MS4 Permit. • AMAFCA continued to participate in the Agency and Area Wide contract and issue tasks under the annual Miscellaneous contract to address rehabilitation, repair, and retrofit activities for AMAFCA structures and cooperative maintenance projects.
3.2	95	Part I.D.5.c.(ii).(k) - Enhance the existing program to control the discharge of floatables and trash from the MS4 by implementing source control of floatables in industrial and commercial areas;	Part I.D.5.c.(ii).(k) - AMAFCA does not have jurisdiction over industrial and commercial areas in the MS4. AMAFCA will continue coordination with the MRG MS4s, as well as involvement with the MRGSQT and the MS4 TAG, to enhance the program to control the discharge of floatables and trash from the MS4 by implementing source control of floatables in industrial and commercial areas.	• AMAFCA will continue its involvement with and financial support of the MRGSQT. • AMAFCA will continue to collaborate with the MS4 permittees to improve upon the source control of floatables in industrial and commercial areas. • AMAFCA will continue membership and involvement in the cooperative MS4 TAG.	**Met FY 2025 Goals.** • AMAFCA continued to contribute and participate in the MRGSQT, which supports trash and litter control public awareness programs. • AMAFCA continued to be involved in the MS4 TAG group, facilitating cooperation and coordination with other MS4s in the Middle Rio Grande.

NOI Section	ID	Permit Activity Description	Plan SWMP Rev. 7 - July 1, 2024	Measurable Goal SWMP Rev. 7 - July 1, 2024	Status of Implementation and Performance Assessment Permit Year July 2024 to June 2025 (FY 2025)
3.2	96	Part I.D.5.c.(ii).(l) - Include in each Annual Report, a cumulative summary of retrofit evaluations conducted during the permit term on existing flood control devices, structures and drainage ways to benefit water quality. Update the SWMP to include a schedule (with priorities) for identified retrofit projects;	Part I.D.5.c.(ii).(l) - AMAFCA may continue to coordinate with watershed MS4s and other entities within its jurisdiction to discuss areas requiring drainage and water quality retrofits, project priorities, and multi-agency funding. As part of the development of the AMAFCA Project Schedule, a system review will be completed. AMAFCA will publish projects, including schedule and cost sharing, in the AMAFCA Project Schedule. Using the Project Schedule process, water quality projects and water quality retrofit projects may be ranked and prioritized.	• AMAFCA will continue to provide a cumulative list of AMAFCA's retrofit BMPs. AMAFCA will incorporate documentation by reference into the Annual Report - refer to the Post-Construction Control Measure. • AMAFCA will continue including facility evaluations as part of AMAFCA studies, including drainage management plans, facility plans, and other analysis projects, as appropriate. • AMAFCA will continue to include BMP/water quality facility retrofit projects in the Project Schedule.	**Met FY 2025 Goals.** • In FY 2025, AMAFCA completed the 2025 Project Schedule which covers a six-year planning horizon (2025-2030). Coordination meetings with watershed MS4s, TAG members, and other entities occurred during the development of this Project Schedule and included the ranking of stormwater quality projects.
3.2	97	Part I.D.5.c.(ii).(m) - Flood management projects: review and revise, as necessary, technical criteria guidance documents and program for the assessment of water quality impacts and incorporation of water quality controls into future flood control projects. The criteria guidance document must include the following elements: Part I.D.5.c.(ii).(m).A. - Describe how new flood control projects are assessed for water quality impacts. Part I.D.5.c.(ii).(m).B. - Provide citations and descriptions of design standards that ensure water quality controls are incorporated in future flood control projects. Part I.D.5.c.(ii).(m).C. - Include method for permittees to update standards with new and/or innovative practices. Part I.D.5.c.(ii).(m).D. - Describe master planning and project planning procedures and design review procedures.	Part I.D.5.c.(ii).(m).A. - AMAFCA, through its processes, will assess new flood control projects for water quality impacts. As new flood control projects are constructed, AMAFCA will consider the appropriate time and location for the collection of water quality data to assess project water quality impacts. During facility planning, AMAFCA will adhere to current and future drainage and water quality management plans passed by the AMAFCA Board of Directors, Bernalillo County Commission, or Albuquerque City Council. AMAFCA will continue its proactive policy of incorporating stormwater quality BMPs into new flood control projects when feasible. AMAFCA will publish projects, including schedule and cost sharing, in the AMAFCA Project Schedule. Using the Project Schedule process, water quality projects and water quality retrofit projects may be ranked and prioritized. Part I.D.5.c.(ii).(m).B. - AMAFCA is assessing the use of National design standards related to water quality controls. Part I.D.5.c.(ii).(m).C. - AMAFCA will continually assess design standards and practices, technical specifications, and BMPs and implement them, as applicable. Part I.D.5.c.(ii).(m).D. - AMAFCA has established procedures for master planning through its Drainage Master Plan development, project planning procedures using its Project Schedule, and design review procedures.	• AMAFCA has all of the elements of the Technical Criteria Guidance Document as part of their various programs but not as part of one document. Many of these elements are done in cooperation with watershed MS4s. • AMAFCA's Project Schedule process includes, in part, coordination with watershed MS4s, TAG members, and other entities within its jurisdiction and may include the ranking of flood control and stormwater quality projects. • AMAFCA is assessing the use of National design standards related to water quality controls. • AMAFCA will continually assess design standards and practices and implementing them, as applicable. • AMAFCA will continue to follow its established procedures for Drainage Master Plan development, project planning procedures using its Project Schedule, and design review procedures.	**Met FY 2025 Goals.** • In FY 2025, AMAFCA completed the 2025 Project Schedule which covers a six-year planning horizon (2025-2030). Coordination meetings with watershed MS4s, TAG members, and other entities occurred during the development of this Project Schedule and included the ranking of stormwater quality projects. • AMAFCA is assessing the use of ASCE's "Standard Guidelines for the Design of Urban Stormwater Systems, Standard Guidelines for Installation of Urban Stormwater Systems, and Standard Guidelines for the Operation and Maintenance of Urban Stormwater Systems" for national design standards related to water quality controls. • AMAFCA continued to follow its established procedures for Drainage Master Plan development, project planning procedures using its Project Schedule (refer to the Post-Construction section of the Annual Report for additional information), and design review procedures used by its Development Review Engineer.
3.2	98	Part I.D.5.c.(ii).(n) -Develop procedures to control the discharge of pollutants related to the storage and application of pesticides, herbicides, and fertilizers applied, by the permittee's employees or contractors, to public rights-of-way, parks, and other municipal property. The permittee must provide an updated description of the data monitoring system for all permittee departments utilizing pesticides, herbicides and fertilizers.	Part I.D.5.c.(ii).(n) - AMAFCA will only allow licensed staff or professionally licensed contractors to apply herbicides and pesticides within AMAFCA rights-of-way (AMAFCA does not apply fertilizers in its operations). In addition, AMAFCA will review, as necessary, leases and licenses, to ensure wording is included addressing the control of discharge of pollutants related to the storage and application of pesticides, herbicides, and fertilizers applied by entities leasing or licensed to use AMAFCA lands. AMAFCA will develop a tracking system to monitor herbicides and pesticides within AMAFCA rights-of-way (AMAFCA does not apply fertilizers in its operations). AMAFCA will store all herbicides and pesticides according to direction by product vendors.	• AMAFCA personnel will typically not apply fertilizers in its operations. • AMAFCA will only allow professional licensed contractors or licensed crew members to apply herbicides and pesticides within AMAFCA rights-of-way. • AMAFCA will be reviewing, as necessary, leases and licenses, to ensure wording is included addressing the control of discharge of pollutants related to the storage and application of herbicides, pesticides, and fertilizers applied by entities leasing or licensed to use AMAFCA lands. • AMAFCA will continue developing a tracking system to monitor herbicide and pesticide applications within AMAFCA ROW. • AMAFCA will store all herbicides and pesticides according to direction by product vendors.	**Met FY 2025 Goals.** • In FY 2025, the AMAFCA licensed crew members or professional licensed contractors were used when herbicide and/or pesticide application was necessary. • Herbicide and pesticide storage was reviewed as part of the Good Housekeeping assessment. • AMAFCA has a tracking system for the herbicide and pesticide inventory.
3.3	99	Develop or update a list and a map of industrial facilities owned or operated by the permittee as required in Part I.D.5.c.(iii).	Part I.D.5.c.(iii) - N/A - No EPA Multi Sector General Permit (MSGP) facilities within AMAFCA rights-of-way. This has been discussed and confirmed with NMED. This was submitted to EPA in AMAFCA's NOI and accepted.	N/A	N/A

NOI Section	ID	Permit Activity Description	Plan SWMP Rev. 7 - July 1, 2024	Measurable Goal SWMP Rev. 7 - July 1, 2024	Status of Implementation and Performance Assessment Permit Year July 2024 to June 2025 (FY 2025)
Not Included in NOI	100	Update the SWMP document and annual report as required in I.D.5.c.(iv) and Part I.D.5.c.(v). Part I.D.5.c.(iv) - The permittee must include in the SWMP a description of the mechanism(s) utilized to comply with each of the elements required in Part I.D.5.c.(i) throughout Part I.D.5.c.(iii) and its corresponding measurable goal. and Part I.D.5.c.(v) - The permittee shall assess the overall success of the program, and document the program effectiveness in the Annual Report.	Part I.D.5.c.(iv) - AMAFCA's Stormwater Quality Engineer will review the program requirements for the above-mentioned SWMP elements during the Annual Report process. The measurable goals in this section of the SWMP are the mechanisms used to comply with the Permit elements. A strategy to implement any new program requirements will be developed as needed. Part I.D.5.c.(v) - The Annual Report will serve as the progress report for this program, if applicable. AMAFCA will incorporate documentation by reference into the Annual Report.	• As part of the Annual Report process, the Stormwater Quality Engineer will review the program requirements listed in Part I.D.5.c, for the above-mentioned SWMP elements and develop a strategy to implement any new program requirements. • The Annual Report will serve as the progress report for this program, if applicable. AMAFCA will incorporate documentation by reference into the Annual Report.	**Met FY 2025 Goals.** • During the Annual Report preparation, AMAFCA's Storm Water Quality Engineer reviewed the program requirements listed in Part I.D.5.c, for the program SWMP elements, and considered program needs and requirements. • This Annual Report documents the program effectiveness and program success in the status of implementation and performance assessment for each MS4 Permit requirement.

NOI Section	ID	Permit Activity Description	Plan SWMP Rev. 7 - July 1, 2024	Measurable Goal SWMP Rev. 7 - July 1, 2024	Status of Implementation and Performance Assessment Permit Year July 2024 to June 2025 (FY 2025)
	101	**TABLE 5: Industrial and High Risk Runoff - Part I.D.5.d**			
4	102	As described in Part I.D.5.d, the permittees shall: (i) control through ordinance, permit, contract, order or similar means, the contribution of pollutants to the municipal storm sewer by stormwater discharges associated with industrial activity and the quality of stormwater discharged from sites of industrial activity as defined in 40 CFR 122.26(b)(14)(i)-(ix) and (xi). If no such industrial activities are in a permittees jurisdiction, that permittee may certify that this program element does not apply.	Part I.D.5.d - Activity removed from AMAFCA's SWMP (Rev. 0, December 1, 2015). AMAFCA certifies with submittal of this SWMP that no such industrial activities are in AMAFCA's jurisdiction and this program element does not apply. This was submitted to EPA in AMAFCA's NOI and accepted.	N/A	N/A

NOI Section	ID	Permit Activity Description	Plan SWMP Rev. 7 - July 1, 2024	Measurable Goal SWMP Rev. 7 - July 1, 2024	Status of Implementation and Performance Assessment Permit Year July 2024 to June 2025 (FY 2025)
	103	**TABLE 6: Illicit Discharges and Improper Disposal - Part I.D.5.e**			
See NOI Sections Below	104	As described in Part I.D.5.e.(i), the permittee shall develop, revise, implement, and enforce a program to detect and eliminate illicit discharges (as defined at 40 CFR 122.26(b)(2)) entering the MS4. Permittees previously covered under NMS000101 or NMR040000 must continue existing programs while updating those programs, as necessary, to comply with the requirements of this permit. The permittee must (see required items listed below):	Part I.D.5.e.(i) - AMAFCA has developed a program to detect and eliminate illicit discharges. The program elements, as they relate to the permit requirements, are described in detail below.	• The AMAFCA Stormwater Quality Engineer will continue to review, revise, and implement the Illicit Discharge Detection and Elimination Program requirements, as needed.	**Met FY 2025 Goals.** • In FY 2025, AMAFCA followed its policy of immediate coordination with downstream MS4 permittees and/or appropriate local, state, tribal, or federal regulatory agencies when such discharges were detected by AMAFCA personnel. The Illicit Discharge Response Plan specifies that AMAFCA alert the proper agency, if required.
5.1	105	Mapping as required in Part I.D.5.e.(i).(a). Develop, if not already completed, a storm sewer system map, showing the names and locations of all outfalls as well as the names and locations of all waters of the United States that receive discharge from those outfalls. Identify all discharges points into major drainage channels draining more than twenty (20) percent of the MS4 area;	Part I.D.5.e.(i).(a) - AMAFCA will continue to update its Maintenance Responsibilities for Drainage Facilities in the Albuquerque Metropolitan Area (Map). This is a color coded, detailed maintenance map showing all AMAFCA facilities (water quality BMPs, channels, large diameter storm drains, ponds, berms or dikes, dams, and receiving waters) and AMAFCA outfalls. AMAFCA cooperates with COA, NMDOT, Bernalillo County, SSCAFCA, Village of Los Ranchos, and MRGCD to collect their data for AMAFCA's map. This map is available on the AMAFCA website: http://www.amafca.org/maps-2/	• AMAFCA will continue to keep this maintenance map up-to-date for AMAFCA facilities and other MS4 permittee facilities, as information is provided. Cooperation with other MS4s will continue related to this map. • AMAFCA will continue to update the map and publish this map on-line.	**Met FY 2025 Goals.** • In FY 2025, AMAFCA updated the GIS and webpage Interactive Map. This map is available online: https://amafca.org/gis-maps-data/
5.2	106	Ordinance (or other control method) as required in Part I.D.5.e.(i)(b).	Because AMAFCA is a flood control authority, the legal authority and jurisdiction granted to it by the State of New Mexico is limited. Part I.D.5.e.(i)(b) - AMAFCA will contractually and/or administratively require the control of non-stormwater discharges from third-party operations within AMAFCA's jurisdiction and/or rights of way to the extent allowable under State, Tribal, or local law.	• AMAFCA will contractually and/or administratively requiring the control of non-stormwater discharges on turn-key projects that AMAFCA will take over for operation and maintenance after construction to the extent allowable under State, Tribal, or local law.	N/A
5.3	107	Develop and implement a IDDE plan as required in Part I.D.5.e.(i).(c). The permittee must include the following elements in the plan: A. Procedures for locating priority areas likely to have illicit discharges including field tests for selected pollutant indicators (ammonia, boron, chlorine, color, conductivity, detergents, E. coli, enterococci, total coliform, fluoride, hardness, pH, potassium, conductivity, surfactants), and visually screening outfalls during dry weather; B. Procedures for enforcement, including enforcement escalation procedures for recalcitrant or repeat offenders; C. Procedures for removing the source of the discharge; D. Procedures for program evaluation and assessment; and E. Procedures for coordination with adjacent municipalities and/or state, tribal, or federal regulatory agencies to address situations where investigations indicate the illicit discharge originates outside the MS4 jurisdiction.	Part I.D.5.e.(i).(c) - AMAFCA will continue to assess its IDDE program, as appropriate.	• AMAFCA will continue to implement the updated IDDE program elements. • AMAFCA will continue membership and involvement in the cooperative MS4 Technical Advisory Group (MS4 TAG) which will facilitate cooperation and coordination with other MS4s in the Middle Rio Grande related to the IDDE program.	**Met FY 2025 Goals.** • AMAFCA continued its membership and involvement in the cooperative MS4 TAG, which facilitated cooperation and coordination with other MS4s in the Middle Rio Grande related to the IDDE program. • AMAFCA received and reviewed the monthly DMR forms from ABCWUA. These reports are available upon request. No evidence of adverse health/environmental impacts were documented in FY 2025. ABCWUA's CMOM Annual Report (which includes the Overflow Emergency Response Plan) is available upon request to the ABCWUA. • AMAFCA continued utilizing established IDDE screening procedures, protocols, and response plan.

NOI Section	ID	Permit Activity Description	Plan SWMP Rev. 7 - July 1, 2024	Measurable Goal SWMP Rev. 7 - July 1, 2024	Status of Implementation and Performance Assessment Permit Year July 2024 to June 2025 (FY 2025)
5.4	108	Develop an education program as required in Part I.D.5.e.(i).(d). Develop an education program to promote, publicize, and facilitate public reporting of illicit connections or discharges, and distribution of outreach materials. The permittee shall inform public employees, businesses and the general public of hazards associated with illegal discharges and improper disposal of waste.	Part I.D.5.e.(i).(d) - AMAFCA will continue to participate in the MRGSQT and collaborate with the MS4 permittees to provide educational information regarding stormwater quality to the community. This information will promote, publicize, and facilitate public reporting of illicit connections or discharges, and distribution of outreach materials. This program informs the public of hazards associated with illicit discharges and improper waste disposal, as well as proper ways to dispose of hazardous wastes.	• AMAFCA will continue work with the MRGSQT to inform the general public of the hazards associated with illegal discharges and improper disposal of waste. • AMAFCA will continue its involvement with and financial support of BEMP and through the MRGSQT. • The MRGSQT Outcomes Report is available upon request. • AMAFCA will continue an in-house training program for its administrative, engineering, and field employees regarding illegal discharges and improper disposal of waste.	**Met FY 2025 Goals.** • AMAFCA continued its partnership with the MRGSQT to inform the general public of the hazards associated with illegal discharges and improper disposal of waste. • In FY 2025, AMAFCA continued its involvement with and financial support of BEMP for educational outreach through the MRGSQT. • The MRGSQT Outcomes Report summarizes the educational and outreach programs for FY 2025. This report is contained in the Program Summaries section of the Annual Report. • AMAFCA staff and operations team continued regular coordination related to Stormwater, including discussions related to pollution prevention and good housekeeping. In addition, pertaining to AMAFCA employees, AMAFCA continues utilizing the IDDE Incident Report Form.
5.5	109	Establish a hotline as required in Part I.D.5.e.(i).(e).	Part I.D.5.e.(i).(e) - MS4s that are members of the MRGSQT benefit from the Albuquerque 311 Citizen Contact Center. The 311 service is a single telephone number for all non-emergency inquiries and services. This program includes citizen calls regarding illicit discharges.	• MS4s in the watershed will continue to participate in the 311 call in program.	**Met FY 2025 Goal.** • AMAFCA continued to participate in the MS4 311 call in program. Complaints were communicated with the appropriate agency regarding these notifications. AMAFCA also coordinated regarding complaints received directly by AMAFCA staff through email, phone, or received through ABCWUA's monthly DMR Sanitary Sewer Overflow Report provided to AMAFCA. AMAFCA continued use of the IDDE Incident Report Form, which is used to report illicit discharges that were witnessed by or reported to AMAFCA staff. The 311 complaints that are not in AMAFCA's jurisdiction are directed to the appropriate jurisdictional agency. • AMAFCA continued to discuss illicit discharges (events, issues, and follow-up) at staff meetings. • A copy of the IDDE Incident Report Form as well as the current Illicit Discharge Response Plan and testing procedures are available upon request.
5.6	110	Investigate suspected significant/severe illicit discharges as required in Part I.D.5.e.(i).(f). Investigate suspected significant/severe illicit discharges within forty-eight (48) hours of detection and all other discharges as soon as practicable; elimination of such discharges as expeditiously as possible; and, requirement of immediate cessation of illicit discharges upon confirmation of responsible parties. Illicit Discharge is defined in 40 CFR 122.26(b)(2)as "Illicit discharge means any discharge to a municipal separate storm sewer that is not composed entirely of stormwater except discharges pursuant to a NPDES permit (other than the NPDES permit for discharges from the municipal separate storm sewer) and discharges resulting from fire fighting activities."	Part I.D.5.e.(i).(f) - AMAFCA will continue its policy of investigation of suspected significant/severe illicit discharges within forty-eight (48) hours of detection/reporting and all other discharges as soon as practicable. AMAFCA plans to continue removing/treating such discharges as expeditiously as possible and requiring immediate cessation of illicit discharges upon confirmation of responsible parties. AMAFCA will continue its procedures for illicit discharge investigation and use of its IDDE Incident Report Form. "Illicit discharge" also covers illegal or improper disposal or dumping of wastes into AMAFCA facilities. For AMAFCA, "illicit discharges" typically fall into two categories: (1) liquid discharge, or (2) solid discharge (dumped trash, debris, dirt/sediment, tires). Liquid discharges are considered urgent in order to quickly determine if they are significant/severe illicit discharges and are investigated within forty-eight (48) hours of detection. Solid discharge are investigated and identified for clean-up during the weekly staff meetings.	• AMAFCA will continue its policy of investigation of suspected significant/severe illicit discharges within 48 hours of detection and all other discharges as soon as practicable. • MS4s in the watershed will continue to participate in the 311 call in program. • AMAFCA will continue membership and involvement in the cooperative MS4 Technical Advisory Group (MS4 TAG) which will facilitate cooperation and coordination with other MS4s in the Middle Rio Grande related to investigation of illicit discharges.	**Met FY 2025 Goals.** • In FY 2025, AMAFCA continued its policy of investigation of suspected significant/severe illicit discharges within 48 hours of detection and all other discharges as soon as practicable. • In addition, in FY 2025, AMAFCA continued to participate in the MS4 311 call in program. Complaints were communicated with the appropriate agency regarding these notifications. AMAFCA also coordinated regarding complaints received directly by AMAFCA staff through email, phone, or received through ABCWUA's monthly DMR Sanitary Sewer Overflow Report provided to AMAFCA. The 311 complaints that are not in AMAFCA's jurisdiction are directed to the jurisdictional agency. • AMAFCA continued to be involved in the MS4 TAG group, facilitating cooperation and coordination with other MS4s in the Middle Rio Grande.

NOI Section	ID	Permit Activity Description	Plan SWMP Rev. 7 - July 1, 2024	Measurable Goal SWMP Rev. 7 - July 1, 2024	Status of Implementation and Performance Assessment Permit Year July 2024 to June 2025 (FY 2025)
5.7	111	Review complaint records and develop a targeted source reduction program as required in Part I.D.5.e.(i).(g). Review complaint records for the last permit term and develop a targeted source reduction program for those illicit discharge /improper disposal incidents that have occurred more than twice in two (2) or more years from different locations.	Part I.D.5.e.(i).(g) - AMAFCA will continue its policy of reviewing complaint records. In addition, complaint records that are determined to be illicit discharges will be added to the AMAFCA GIS database. The location, date, type of illicit discharge, and source (if known) will be documented. This database was developed in 2014 and is updated annually. To meet the Permit requirements in Table 1.a (Part I.C.2), regarding discharges to impaired waters with a TMDL (E. coli), AMAFCA's review of complaint records will include a focus on illicit discharges contributing bacteria to the MS4. AMAFCA will develop a targeted source reduction program for those illicit discharge/improper disposal incidents that have occurred more than twice in 2 or more years from different locations. AMAFCA coordinates with COA and the Albuquerque Bernalillo Water Utility Authority (ABCWUA) for notification of illicit discharges.	• AMAFCA will continue its policy of reviewing complaint records. This will include a focus on illicit discharges contributing bacteria to the MS4. • Annually, AMAFCA will reevaluate its targeted source reduction program. Potential future targets will be determined and cooperative efforts for targeted source reduction programs with MRGSQT members will be considered. • AMAFCA will continue adding illicit discharge complaint records for the Permit term to the AMAFCA GIS database to help identify sources and trends. • AMAFCA will continue coordination with other agencies for this program element.	**Met FY 2025 Goals.** • In FY 2025, AMAFCA continued to participate in the MS4 311 call in program. Complaints were communicated with the appropriate agency regarding these notifications. • AMAFCA received and reviewed the monthly DMR forms from ABCWUA. These reports are available upon request. No evidence of adverse health/environmental impacts were documented in FY 2025. ABCWUA's CMOM Annual Report (which includes the Overflow Emergency Response Plan) is available upon request from the ABCWUA.
Not Included in NOI	112	As required in Part I.D.5.e.(ii), the permittee shall address the following categories of non-stormwater discharges or flows (e.g., illicit discharges) only if they are identified as significant contributors of pollutants to the MS4: water line flushing, landscape irrigation, diverted stream flows, rising ground waters, uncontaminated ground water infiltration (as defined at 40 CFR 35.2005(90)), uncontaminated pumped ground water, discharges from potable water sources, foundation drains, air conditioning condensation, irrigation water, springs, water from crawl space pumps, footing drains, lawn watering, individual residential car washing, flows from riparian habitats and wetlands, dechlorinated swimming pool discharges, and street wash water. Note: Discharges or flows from fire fighting activities are excluded from the effective prohibitions against non-stormwater and need only be addressed where they are identified a significant sources of pollutants to water of the United States).	Part I.D.5.e.(ii) - Any such discharge that is identified as a significant contributor of pollutants to the AMAFCA MS4, or is causing or contributing to a water quality standards violation, will be addressed as an illicit discharge pursuant to Part I.D.5.e of the MS4 Permit. The Permit lists authorized non-stormwater discharges in Part I.D.5.e.(ii). Many of these authorized non-stormwater discharges are not applicable to AMAFCA and none of these discharges are expected to be significant contributors of pollutants to the MS4. The AMAFCA Stormwater Quality Engineer will continue coordination & communication with ABCWUA regarding well flushing and rehabilitation schedules to ensure that AMAFCA is aware of authorized non-stormwater discharges into its facilities.	• The AMAFCA Stormwater Quality Engineer will review this list annually to check that the categories of authorized non-stormwater discharges are still not considered significant contributors of pollutants to the MS4. • The AMAFCA Stormwater Quality Engineer will communicate with ABCWUA regarding well flushing and rehabilitation schedules to ensure that AMAFCA is aware of authorized non-stormwater discharges into its facilities.	**Met FY 2025 Goals.** • The AMAFCA Storm Water Quality Engineer reviewed this list as part of the Annual Report preparation to check that the categories of authorized non-stormwater discharges are still not considered significant contributors of pollutants to the MS4. • The AMAFCA Storm Water Quality Engineer continued coordination & communication with ABCWUA regarding well, tank, and line flushing schedules to ensure that AMAFCA was aware of authorized non-stormwater discharges into its facilities.
5.8	113	As required in Part I.D.5.e.(iii), the permittee must screen the entire jurisdiction at least once every five (5) years and high priority areas at least once every year. High priority areas include any area where there is ongoing evidence of illicit discharges or dumping, or where there are citizen complaints on more than five (5) separate events within twelve (12) months. The permittee must: (a) Include in its SWMP document a description of the means, methods, quality assurance and controls protocols, and schedule for successfully implementing the required screening, field monitoring, laboratory analysis, investigations, and analysis evaluation of data collected. (b) Comply with the dry weather screening program established in Table 6 and the monitoring requirements specified in Part III.A.2. (c) If applicable, implement the priority ranking system developed in previous permit term.	AMAFCA will continue to make progress with its IDDE activities and program. Much of this effort may be in coordination with MS4 permittees COA, Bernalillo County, and NMDOT, as the AMAFCA facilities are stormwater collectors for the basins that are primarily controlled by other MS4 programs, rules, and regulations. Part I.D.5.e.(ii).(a) - IDDE screening methods and protocols for implementing the required screening, field monitoring, laboratory analysis, investigations, and analysis evaluation of data collected has been developed. AMAFCA has in place a well-defined and implemented routine inspection and O&M program that includes both formal and informal inspections. These O&M inspections are part of the IDDE screening program. Part I.D.5.e.(ii).(b) - AMAFCA screening procedures and protocols will comply with the dry weather screening program monitoring requirements specified in Part III.A.2 of the MS4 Permit. COA and AMAFCA have a cooperative dry weather screening program. Part I.D.5.e.(ii).(c) - For AMAFCA, facility screening is part of AMAFCA's routine O&M activities. All areas are screened and there are no low priority areas.	• AMAFCA has developed screening procedures, protocols, and plan. • AMAFCA will continue routine inspections through its O&M program, including both formal and informal inspections. These O&M inspections are part of the IDDE screening program. • As a cooperative program, COA will continue to perform dry weather screening. • AMAFCA will continue membership and involvement in the cooperative MRGSQT and TAG, which will facilitate cooperation and coordination with other MS4s in the Middle Rio Grande related to screening for illicit discharges.	**Met FY 2025 Goals.** • AMAFCA continued utilizing established IDDE screening procedures, protocols, and plan. • In FY 2025, AMAFCA continued routine inspections through its O&M program, including both formal and informal inspections. These O&M inspections were part of the IDDE screening program. • As a cooperative program, COA continued to perform dry weather screening. Additional information for this is provided in the Dry Weather Screening section of the Annual Report. • AMAFCA continued membership and involvement in the cooperative MRGSQT and TAG, both which facilitated cooperation and coordination with other MS4s in the Middle Rio Grande related to screening for illicit discharges.
5.9	114	Develop, update, and implement a Waste Collection Program as required in Part I.D.5.e.(iv).	Part I.D.5.e.(iv) - Activity removed from AMAFCA's SWMP. Public waste collection is the responsibility of the municipalities. AMAFCA does not have the jurisdictional authority to perform these activities. AMAFCA will continue to regularly collect waste within its rights-of-way. This was submitted to EPA in AMAFCA's NOI and accepted.	N/A	N/A

NOI Section	ID	Permit Activity Description	Plan SWMP Rev. 7 - July 1, 2024	Measurable Goal SWMP Rev. 7 - July 1, 2024	Status of Implementation and Performance Assessment Permit Year July 2024 to June 2025 (FY 2025)
5.10	115	Develop, update and implement a Spill Prevention and Response program to prevent, contain, and respond to spills that may discharge into the MS4 as required in Part I.D.5.e.(v). The Spill Prevention and Response program shall include: (a) Where discharge of material resulting from a spill is necessary to prevent loss of life, personal injury, or severe property damage, the permittee(s) shall take, or ensure the party responsible for the spill takes, all reasonable steps to control or prevent any adverse effects to human health or the environment: and (b) The spill response program may include a combination of spill response actions by the permittee (and/or another public or private entity), and legal requirements for private entities within the permittee's municipal jurisdiction.	Part I.D.5.e.(v) - AMAFCA will continue its Spill Prevention and Response program. This program element relates to Illicit Discharge, reporting requirements, crew training, spill response materials on hand (in maintenance vehicles), and good housekeeping. For AMAFCA facilities, AMAFCA encourages that crew members are trained in spill prevention and control (refer to Pollution Prevention/Good Housekeeping Control Measure).	• AMAFCA will continue development of its cooperative Spill Response Program with agency partners. • AMAFCA encourages that crew members are trained in spill prevention and control (refer to Pollution Prevention/Good Housekeeping Control Measure). • AMAFCA will continue membership and involvement in the cooperative MS4 TAG and the MRGSQT, which will facilitate cooperation and coordination with other MS4s in the Middle Rio Grande related to spill prevention and response.	**Met FY 2025 Goals.** • AMAFCA continued to follow the Spill Prevention and Response Plan. • AMAFCA continued development of its cooperative Spill Prevention and Response Program with agency partners. As part of this cooperative, MS4s have established contracts with an environmental clean-up company to assist the Middle Rio Grande MS4s with IDDE response. • AMAFCA continued to be involved in the MS4 TAG group, facilitating cooperation and coordination with other MS4s in the Middle Rio Grande.
Not Included in NOI	116	Part I.D.5.e.(vi) - The permittee must include in the SWMP a description of the mechanism(s) utilized to comply with each of the elements required in Part I.D.5.e.(i) throughout Part I.D.5.e.(v) and its corresponding measurable goal. A description of the means, methods, quality assurance and controls protocols, and schedule for successfully implementing the required screening, field monitoring, laboratory analysis, investigations, and analysis evaluation of data collected; and Part I.D.5.e.(vii) - The permittee shall assess the overall success of the program, and document the program effectiveness in the Annual Report.	Part I.D.5.e.(vi) - AMAFCA's Stormwater Quality Engineer will review the program requirements listed for the above-mentioned program elements, during the Annual Report process. A review of the screening completed and the data collected, if any, will be available upon request and AMAFCA will incorporate documentation by reference into the Annual Report. Part I.D.5.e.(vii) - AMAFCA will document the program effectiveness and program success. AMAFCA will incorporate documentation by reference into the Annual Report.	• As part of the Annual Report process each year, the Stormwater Quality Engineer will review the program requirements listed in Part I.D.5.e, for the above-mentioned SWMP elements, and develop a strategy, if applicable, to implement any new program requirements. • A review of the screening completed and the data collected, if any, will be available upon request and AMAFCA will incorporate documentation by reference into the Annual Report. • AMAFCA will document the program effectiveness and program success. AMAFCA will incorporate documentation by reference into the Annual Report.	**Met FY 2025 Goals.** • AMAFCA's Program was reviewed by the Storm Water Quality Engineer for the reporting period as part of the Annual Report and SWMP revision process. • This Annual Report and associated Program Summaries document the program effectiveness and program success in the status of implementation and performance assessment for each MS4 Permit requirement.
5.11	117	Enhance the program to include requirements in Part I.D.5.e.(ix). The permittee may: (a) Divide the jurisdiction into assessment areas where monitoring at fewer locations still provides sufficient information; (b) Downgrade high priority areas after the area has been screened at least once and there are citizen complaints on no more than 5 separate events within a 12 month period; (c) Rely on a cooperative program with other MS4s for detection and elimination of illicit discharges and illegal dumping; (d) If cooperative program, required detection program frequencies may be based on the combined jurisdictional area rather than individual jurisdictional areas to reduce total number of screening locations; (e) After screening a non-high priority area once, adopt an "in response to complaints only" IDDE for that area (no more than 2 separate events within a 12 month period); (f) Enhance the program to utilize methodologies consistent with those described in "Illicit Discharge Detection and Elimination, A Guidance Manual for Program Development and Technical Assessments."	Part I.D.5.e.(ix).(a) - AMAFCA operates and maintains rainfall gauges for the NDC watershed to better understand runoff and evaluate monitoring locations. Future telemetry project will add screening capabilities for other outfalls. Part I.D.5.e.(ix).(b) - This enhancement may be considered and included in the future. Part I.D.5.e.(ix).(c) - AMAFCA currently coordinates with MS4s, as appropriate, and the ABCWUA for notification of illicit discharges. AMAFCA will continue to pursue developing similar cooperative coordination with other agencies. Part I.D.5.e.(ix).(d) and (e) - These cooperative elements may be considered in the future. Part I.D.5.e.(ix).(f) - AMAFCA had a consultant evaluate the AMAFCA IDDE program and develop recommendations for improving the program in order to comply with the MS4 Permit. The report included evaluating the procedures and methodologies described in "IDDE, A Guidance Manual for Program Development and Technical Assessments", for incorporation into AMAFCA's IDDE program. AMAFCA will continue to implement recommendations from this report, as appropriate.	• AMAFCA will document progress made, if any, with these program enhancement activities.	**Met FY 2025 Goals.** • In FY 2025, AMAFCA worked with COA and ABCWUA for notification of illicit discharges. AMAFCA also cooperated with Bernalillo County and NMDOT related to IDDE in FY 2025.
5.12	118	Item from MS4 Permit NOI. Describe other proposed activities to address the Illicit Discharges and Improper Disposal Measure.	AMAFCA will continue to utilize the Annual Report process as a means to perform a self-audit with the goal to improve its MS4 Programs.	• AMAFCA will annually document progress made, if any, related to the Annual Report and SWMP revision process as a means to perform a self-audit on the MS4 Program elements.	**Met FY 2025 Goal.** • AMAFCA continued to utilize the Annual Report and SWMP revision process as a means to perform a self-audit on the MS4 Program elements.

NOI Section	ID	Permit Activity Description	Plan SWMP Rev. 7 - July 1, 2024	Measurable Goal SWMP Rev. 7 - July 1, 2024	Status of Implementation and Performance Assessment Permit Year July 2024 to June 2025 (FY 2025)
	119	**TABLE 7: Control of Floatables Discharges - Part I.D.5.f**			
6.1	120	As required in Part I.D.5.f.(i), the permittee must develop, update, and implement a program to address and control floatables in discharges into the MS4. The floatables control program shall include source controls and, where necessary, structural controls. Permittees previously covered under NMS000101 or NMR04A000 must continue existing programs while updating those programs, as necessary, to comply with the requirements of this permit. The permittee shall develop or update a schedule to implement as required in Part I.D.5.f.(i).(a). Note: AMAFCA and COA should update the schedule according to the findings of the 2005 AMAFCA/COA Floatable and Gross Pollutant Study and other studies.	Part I.D.5.f.(i) and (i).(a) - AMAFCA will continue to implement a program to address and control floatables in discharges into the MS4. AMAFCA will continue to install stormwater quality features to control floatables, such as ported risers, trash racks, and screened inlets in both new construction and retrofits where appropriate. AMAFCA will continue to coordinate with COA relative to structural BMPs within AMAFCA rights-of-way.	• The AMAFCA Stormwater Quality Engineer will continue to review, revise, and implement a program to address and control floatables in discharges into the MS4. • AMAFCA will continue to cooperate and coordinate with COA relative to structural BMPs within AMAFCA rights-of-way. • AMAFCA will continue membership and involvement in the cooperative MS4 Technical Advisory Group (MS4 TAG), which will facilitate cooperation and coordination with other MS4s in the Middle Rio Grande related control of floatables discharges. • AMAFCA will continue utilizing the manual trash collection contracts. • AMAFCA is pursuing developing a cooperative program for this program element.	**Met FY 2025 Goals.** • The AMAFCA Storm Water Quality Engineer continued to implement a program to address and control floatables in discharges into the MS4. • AMAFCA continued to be involved in the MS4 TAG, facilitating cooperation and coordination with other MS4s in the Middle Rio Grande. • AMAFCA continued utilizing the manual trash collection contracts in FY 2025. • Photos of AMAFCA operations to remove floatables and sediment in FY 2025 are provided in the Pollution Prevention/ Good Housekeeping Program & Control of Floatables Program Summary.
6.2	121	Estimate the annual volume of floatables and trash removed from each control facility and characterize the floatable type as required in Part I.D.5.f.(i).(b).	Part I.D.5.f.(i).(b) - AMAFCA will continue to estimate the annual volume of floatables and trash removed from each control facility as well as to characterize the floatable type. The AMAFCA operations and maintenance crew and subcontractors track the volume of floatables, sediment, trash, and debris removed from AMAFCA facilities. This tracking procedure includes the location of removal by facility and watershed.	• AMAFCA will continue to estimate the annual volume of floatables and trash removed from each control facility and characterize the floatable type. • AMAFCA will continue to utilize crew activity tracking, allowing AMAFCA to better and more easily determine the volume of floatables and sediment removed from each AMAFCA facility. • AMAFCA has updated, cooperative waste characterization study in the watershed during the Permit term.	**Met FY 2025 Goals.** • In FY 2025, AMAFCA continued to implement its crew tracking system and database. A summary of trash, sediment, and vegetation removed within AMAFCA's jurisdiction is included in the relevant Program Summary.
6.3	122	Item from MS4 Permit NOI. Describe other proposed activities to address the Control of Floatables Discharges Measure.	AMAFCA will continue to utilize the Annual Report and SWMP revision process as a means to perform a self-audit with the goal to improve its MS4 Programs.	• AMAFCA will document progress made, if any, related to the Annual Report and SWMP revision process as a means to perform a self-audit on the MS4 Program elements.	**Met FY 2025 Goal.** • AMAFCA continued to utilize the Annual Report and SWMP revision process as a means to perform a self-audit on the MS4 Program elements.
Not Included in NOI	123	Update the SWMP document and Annual Report as required in Part I.D.5.f.(ii) and Part I.D.5.f.(iii). Part I.D.5.f.(ii) - The permittee must include in the SWMP a description of the mechanism(s) utilized to comply with each of the elements required in Part I.D.5.f.(i). Part I.D.5.f.(iii) - The permittee shall assess the overall success of the program, and document the program effectiveness in the Annual Report.	Part I.D.5.f.(ii)- AMAFCA's Stormwater Quality Engineer will review the program requirements listed for the above-mentioned program elements, during the Annual Report process. A strategy to implement any new program requirements or improve the compliance with program requirements will be developed as needed. Part I.D.5.f.(iii) - AMAFCA will document the program effectiveness and program success. AMAFCA will incorporate documentation by reference into the Annual Report.	• As part of the Annual Report process each year, the Stormwater Quality Engineer will review the program requirements listed in Part I.D.5.f, for the above-mentioned SWMP elements, and assess the overall success of the program. AMAFCA will document the program effectiveness and program success. AMAFCA will incorporate documentation by reference into the Annual Report.	**Met FY 2025 Goals.** • In FY 2025, as part of the Annual Report development, AMAFCA's Storm Water Quality Engineer reviewed the program requirements listed in Part I.D.5.f for this section. • This Annual Report and associated Program Summaries document the program effectiveness and program success in the status of implementation and performance assessment for each MS4 Permit requirement. Additional documentation available upon request.

NOI Section	ID	Permit Activity Description	Plan SWMP Rev. 7 - July 1, 2024	Measurable Goal SWMP Rev. 7 - July 1, 2024	Status of Implementation and Performance Assessment Permit Year July 2024 to June 2025 (FY 2025)
	124	**TABLE 8: Public Education and Outreach on Stormwater Impacts - Part I.D.5.g**			
7.1	125	Develop, revise, implement, and maintain an education and outreach program as required in Part I.D.5.g.(i) and Part I.D.5.g.(ii). This comprehensive stormwater program should educate the community, employees, businesses, and the general public of hazards associated with the illegal discharges and improper disposal of waste and about the impact that stormwater discharges on local waterways, as well as the steps that the public can take to reduce pollutants in stormwater.	Part I.D.5.g.(i) - Through involvement in the MRGSQT and Bernalillo County, AMAFCA will continue to collaborate with the MS4 permittees to implement and improve upon the existing Public Education and Outreach program. The MRGSQT has a consulting firm under contract to act as Stormwater Coordinator and assist the team in providing public education and outreach on stormwater impacts. Included in the Stormwater Coordinator scope is to provide an Outcomes Report to the team members to summarize the yearly outreach activities through different media and methods, target audiences, and estimate of people reached. In addition to the cooperative elements with MRGSQT, AMAFCA will continue to conduct education and outreach presentations to the community specific to AMAFCA facilities and water quality.	• AMAFCA will continue to contribute to and participate in the MRGSQT. • AMAFCA will continue to conduct education and outreach presentations to the community specific to AMAFCA facilities and water quality. AMAFCA's efforts will be included in the MRGSQT Outcomes Report. This report is available upon request.	**Met FY 2025 Goals.** • AMAFCA continued to contribute to and participate in the MRGSQT. • AMAFCA's efforts are included in the MRGSQT Outcomes Report. This report is contained in the Program Summaries section of the Annual Report.
Not Included in NOI	126	Part I.D.5.g.(ii), the permittee must implement a public education program to distribute educational knowledge to the community or conduct equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff. The permittee must: Part I.D.5.g.(ii).(a),Define the goals and objectives of the program based on high priority community-wide issues; Part I.D.5.g.(ii)(b),Develop or utilize appropriate educational materials, such as printed materials, billboard and mass transit advertisements, signage at select locations, radio advertisements, television advertisements, and websites.	Part I.D.5.g.(ii).(a) - The MRGSQT has developed a matrix to define the Public Education and Outreach objectives, priorities, and target audiences. The matrix will be reviewed and updated, as necessary, throughout the Permit term. Part I.D.5.g.(ii).(b) - The MRGSQT will continue to develop and utilize appropriate educational materials such as brochures, media campaigns, public presentations/events, giveaways, display booths/kiosks, signage at select locations, and postings on social media sites (Facebook) and websites. The types of materials utilized by the MRGSQT are summarized in the annual Outcomes Report.	• AMAFCA, through its participation in the MRGSQT will review, throughout the Permit term, and update, as necessary, the program matrix to define the Public Education and Outreach and Public Involvement and Participation objectives, priorities, and target audiences. • The MRGSQT will continue to develop and utilize appropriate educational materials such as brochures, media campaigns, public presentations/events, giveaways, display booths/kiosks, signage at select locations, and postings on social media sites (Facebook) and websites.	**Met FY 2025 Goals.** • The MRGSQT continued to use the matrix this year to guide the Public Education and Outreach and Public Involvement and Participation objectives, priorities, and target audiences. • The types of materials utilized are summarized in the attached Program Summary MRGSQT Outcomes Report. The Facebook page and website (www.keeptheriogrande.org) remained active in FY 2025. • MRGSQT continued to distribute BMP brochures in English and Spanish for specific industries (Contractors, Food Preparation or Service, Parking Lots and Drive Through Lanes, Fueling Stations, Vehicle and Equipment Repair, Carpet and Upholstery Cleaning, Scrap Metal Recycling, and Landscaping). These materials are available upon request.
Not Included in NOI	127	Part I.D.5.g.(ii).(c), Inform individuals and households about ensuring proper septic system maintenance, ensuring the proper use and disposal of landscape and garden chemicals including fertilizers and pesticides, protecting and restoring riparian vegetation, and properly disposing of used motor oil or household hazardous wastes;	Part I.D.5.g.(ii).(c) - The MRGSQT's program matrix and Public Education and Outreach programs include proper septic system maintenance, proper use and disposal of landscape and garden chemicals including fertilizers and pesticides, and properly disposing of household hazardous wastes.	• The MRGSQT will continue to include these specific educational areas in their program matrix and reporting on these areas in their annual Outcomes Report.	**Met FY 2025 Goal.** • The MRGSQT Outcomes Report typically includes a table summarizing the MS4 Permit Public Education and Outreach Component/reference with the MRGSQT activities, as well as including the type of audiences reached. In addition, information on these topics is available on the MRGSQT website (www.keeptheriogrande.org). • In FY 2025, the MRGSQT continued distribution of brochures targeting septic system education. • AMAFCA and Bernalillo County continued to distribute BMPs brochures for specific industries. Landscaping was one industry area of focus. • Both COA and Bernalillo County sponsor Household Hazardous Waste (HHW) collection events throughout the year.

NOI Section	ID	Permit Activity Description	Plan SWMP Rev. 7 - July 1, 2024	Measurable Goal SWMP Rev. 7 - July 1, 2024	Status of Implementation and Performance Assessment Permit Year July 2024 to June 2025 (FY 2025)
Not Included in NOI	128	Part I.D.5.g.(ii).(d), Inform individuals and groups how to become involved in local stream and beach restoration activities as well as activities that are coordinated by youth service and conservation corps or other citizen groups.	Part I.D.5.g.(ii).(d) - The MRGSQT, which AMAFCA is a member, utilizes volunteers throughout communities within the watershed to assist with park, open space, trail, and river cleanup projects. Communication for Public Education and Outreach and Public Involvement and Participation is achieved by activities organized with youth service groups, conservation corps, and other citizen groups. In addition, AMAFCA will continue to foster Public Education and Outreach and Public Involvement and Participation programs, including Earth Force - Keep it Clean student outreach, Talking Talons Youth Leadership Activities, and Rocky Mountain Youth Corps programs.	• The MRGSQT will continue communication for public involvement and participation activities as well as assist with communication for Public Education and Outreach and Public Involvement and Participation activities organized by youth service groups, conservation corps, and other citizen groups. These volunteer activities will be summarized in the annual MRGSQT Outcomes Report. The MRGSQT Outcomes Report is available upon request. • Through the MRGSQT, two partner education programs, BEMP and , are supported. is an innovative, long-term outreach program that integrates water resource topics with computer technology, student writing, and a hands-on curriculum to meet specific, measurable outcomes. The main objective of the Stormwater Science outreach education program BEMP is to teach students that the health of the Rio Grande is directly related to the health of the surrounding watershed. • AMAFCA will continue to foster Public Education and Outreach and Public Involvement and Participation programs, including Earth Force, Talking Talons Youth Leadership Activities, and Rocky Mountain Youth Corps programs.	**Met FY 2025 Goals.** • The MRGSQT Outcomes Report typically documents volunteer participation in park, open space, trail, and river cleanup projects. The Keep the Rio Grande website has been updated to better assist with implementation of this activity. • Through the MRGSQT, partner education and student involvement programs, such as Arroyo Classroom and RiverXchange were supported in FY 2025.
Not Included in NOI	129	Part I.D.5.g.(ii).(e), Use tailored public education program, using a mix of locally appropriate strategies, to target specific audiences and communities. Examples of strategies include distributing brochures or fact sheets, sponsoring speaking engagements before community groups, providing public service announcements, implementing educational programs targeted at school age children, and conducting community-based projects such as storm drain stenciling, and watershed cleanups;	Part I.D.5.g.(ii).(e) - The MRGSQT will continue to organize comprehensive Public Education and Outreach programs with appropriate strategies to target specific audiences in the Middle Rio Grande community.	• The MRGSQT will continue to include comprehensive education programs with appropriate strategies to target specific audiences in the Middle Rio Grande community. The target audiences for the educational programs will be identified in the Outcomes Report.	**Met FY 2025 Goal.** • The MRGSQT Outcomes Report includes information on the comprehensive Public Education and Outreach programs, community events, presentations, and participation activities in FY 2025. The MRGSQT participated in a wide variety of community events. Through the MRGSQT, partner education and student involvement programs, such as Arroyo Classroom and RiverXchange, were supported in FY 2025. The target audiences for these activities are typically identified in the Outcomes Report. The Keep the Rio Grande website has been updated to better assist with implementation of this activity.
Not Included in NOI	130	Part I.D.5.g.(ii).(f), Use materials or outreach programs directed toward targeted groups of commercial, industrial, and institutional entities likely to have significant stormwater impacts. For example, providing information to restaurants on the impact of grease clogging storm drains and to garages on the impact of oil discharges. The permittee may tailor the outreach program to address the viewpoints and concerns of all communities, particularly minority and disadvantaged communities, as well as any special concerns relating to children. The permittee must make information available for non-English speaking residents, where appropriate.	Part I.D.5.g.(ii).(f) - The MRGSQT will continue to include Public Education and Outreach programs directed toward commercial, industrial, engineering/contractors, and other institutional entities to meet the MS4 Permit requirements. Where outreach target groups include Spanish-speaking residents, MRGSQT may have Spanish-translations available of public meeting announcements and data sheets. The need for bi-lingual outreach will be assessed by the MRGSQT as needed.	• The MRGSQT cooperative programs will continue to include information on Public Education and Outreach and Public Involvement and Participation programs directed toward commercial, industrial, engineering/contractors, and other institutional entities. • Where outreach target groups include Spanish-speaking residents, MRGSQT may have Spanish-translations available of public meeting announcements and data sheets. The need for bi-lingual outreach will be assessed by the MRGSQT as needed.	**Met FY 2025 Goals.** • The MRGSQT Outcomes Report includes information on Public Education and Outreach and Public Involvement and Participation programs directed toward commercial, industrial, engineering/contractors, and other institutional entities. • The MRGSQT continued to distribute BMP brochures in English and Spanish for specific industries (Contractors, Food Preparation or Service, Parking Lots and Drive Through Lanes, Fueling Stations, Vehicle and Equipment Repair, Carpet and Upholstery Cleaning, Scrap Metal Recycling, and Landscaping). These materials are available upon request.

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7.2	131	Update the SWMP document and Annual Report as required in Part I.D.5.g.(iii) and Part I.D.5.g.(iv). Part I.D.5.g.(iii), The permittee must include the following information in the SWMP document: (a) A description of a program to promote, publicize, facilitate public reporting of the presence of illicit discharges or water quality associated with discharges from MS4s; (b) A description of the education activities, public information activities, and other appropriate activities to facilitate the proper management and disposal of used oil and toxic materials; (c) A description of the mechanism(s) utilized to comply with each of the elements required in Part I.D.5.g.(i) and Part I.D.5.g.(ii) and its corresponding measurable goal. Part I.D.5.g.(iv), The permittee must assess the overall success of the program, and document both direct and indirect measurements of program effectiveness in the Annual Report.	Part I.D.5.(g).(iii) - (a) MS4s that are members of the MRGSQT benefit from the Albuquerque 311 Citizen Contact Center. Reports for illicit discharge can be done by phone, on-line, e-mail, or through an app on cellular phones. (b) Educational and public outreach activities are primarily handled through the MRGSQT. (c) This SWMP, AMAFCA's Annual Reports, and the MRGSQT outreach coordinator contract all serve an mechanisms to comply with the elements in this section of the permit. Refer to the above SWMP program elements for additional information. AMAFCA's Stormwater Quality Engineer will review the program requirements listed for the above-mentioned program elements during the SWMP update and Annual Report process. A strategy to implement any new program requirements or improve compliance with the program requirements will be discussed with the MRGSQT and developed as needed. Part I.D.5.(g).(iv) - AMAFCA will document the program effectiveness and program success. AMAFCA will incorporate documentation by reference into the Annual Report.	• The AMAFCA Stormwater Quality Engineer will review and include the program requirements listed in Part I.D.5.g during the SWMP update and Annual Report process. • AMAFCA will document the program effectiveness and program success. AMAFCA will incorporate documentation by reference into the Annual Report. • AMAFCA (both through the MRGSQT and individually) will use surveys to assist with determining the effectiveness of programs.	**Met FY 2025 Goals.** • The SWMP was reviewed during the FY 2025 Annual Report development. • The MRGSQT website (www.keeptheriogrande.org) has links related reporting illicit discharge and the COA website promotes the 311 Citizen Contact Center. • AMAFCA projects require SWPPP Management boards for all their construction projects to provide the public with contact information for reporting indicators of stormwater discharges. • This Annual Report and the MRGSQT Outcomes Report document the program effectiveness and program success in the status of implementation and performance assessment for each MS4 Permit requirement in this section of the Permit. • The MRGSQT utilized updated stormwater surveys to assess the effectiveness of the Public Education and Outreach and Public Involvement and Participation program elements. An example of the MRGSQT/AMAFCA survey, as well as survey results trendline data, are available upon request.
7.2	132	Enhance the program to include Program Flexibility Elements in Part I.D.5.g.(v) through Part I.D.5.g.(viii). Part I.D.5.g.(v), Where necessary to comply with the MS4 Permit, the permittee should develop a program or modify/revise an existing education and outreach program to: (a) Promote, publicize, and facilitate the use of GI/LID/Sustainability practices; and (b) Include an integrated public education program regarding litter reduction, reduction in pesticide/herbicide use, recycling, and disposal (including yard waste, hazardous waste materials, and used motor vehicle fluids), and GI/ LID/ Sustainable practices (as allowed by the NM OSE).	Part I.D.5.g.(v).(a) and (b) - AMAFCA will continue to include in its (and in the cooperative MRGSQT) Public Education and Outreach program: GI/LID/sustainability practices, litter reduction, herbicide and pesticide proper use and reduction (AMAFCA does not apply fertilizers in its operations), recycling, proper disposal of hazardous waste, proper disposal motor vehicle fluids, and proper disposal of yard waste.	• AMAFCA will document progress made with these program enhancement activities.	**Met FY 2025 Goal.**
Not Included in NOI	133	Enhance the program to include Program Flexibility Elements in Part I.D.5.g.(v) through Part I.D.5.g.(viii) [continued] Part I.D.5.g.(vi), The permittee may collaborate or partner with other MS4 operators to maximize the program and cost effectiveness of the required outreach.	Part I.D.5.g.(vi) - The MRGSQT is a cooperative effort allowing watershed MS4 participants to maximize their education, outreach, participation, and involvement programs in a cost effective manner. Through involvement in the MRGSQT, AMAFCA will continue to collaborate with the MS4 permittees to implement and improve upon the existing Public Education and Outreach and Public Involvement and Participation programs.	• AMAFCA will continue to contribute to and participate in the MRGSQT in order to maximize their Public Education and Outreach and Public Involvement and Participation programs in a cost effective manner.	**Met FY 2025 Goal.** • AMAFCA continued to contribute to and participate in the MRGSQT.
Not Included in NOI	134	Enhance the program to include Program Flexibility Elements in Part I.D.5.g.(v) through Part I.D.5.g.(viii). [continued] Part I.D.5.g. (vii), The education and outreach program may use citizen hotlines as a low-cost strategy to engage the public in illicit discharge surveillance.	Part I.D.5.g.(vii) - MS4s that are members of the MRGSQT benefit from the Albuquerque 311 Citizen Contact Center. The 311 service is a single telephone number for all non-emergency inquiries and services. This program includes citizen calls regarding illicit discharges and notifies AMAFCA of such calls within its jurisdiction.	• MS4s that are members of the MRGSQT benefit from the Albuquerque 311 Citizen Contact Center. This is discussed in more detail in the Illicit Discharges and Improper Disposal Control Measure.	**Met FY 2025 Goal.** • AMAFCA continued to participate in the 311 citizen hotline as well as the Illegal Dumping Partnership, which has various jurisdictional reporting contacts. The MRGSQT website (https://keeptheriograndg.org/resources/) has additional information. This is discussed in more detail in the Illicit Discharges and Improper Disposal section of the Annual Report.

NOI Section	ID	Permit Activity Description	Plan SWMP Rev. 7 - July 1, 2024	Measurable Goal SWMP Rev. 7 - July 1, 2024	Status of Implementation and Performance Assessment Permit Year July 2024 to June 2025 (FY 2025)
Not Included in NOI	135	Enhance the program to include Program Flexibility Elements in Part I.D.5.g.(v) through Part I.D.5.g.(viii). [continued] Part I.D.5.g. (viii), The permittee may use stormwater educational materials provided by the State, Tribe, EPA, environmental groups, public interest or trade organ., or other MS4s. The permittee may also integrate the education and outreach program with existing education and outreach programs in the MRG area. Examples of existing programs include: Classroom education on stormwater that allows students to develop watershed map to help students visualize area impacted and develop pet specific education. As well as education and outreach programs for commercial activities, lawn and garden activities, sustainable practices, pet waste management, proper disposal of household waste, trash management, water conservation practices designed to reduce pollutants in stormwater for home residences. Existing programs should include regular employee trainings with industry groups and contribute and participate in Stormwater Quality Team.	Part I.D.5.g.(viii) - The MRGSQT may utilize educational materials provided by the State, Tribe, EPA, environmental groups, public interest or trade organizations, or other MS4s.	• The MRGSQT may utilize materials, as appropriate, provided by the State, Tribe, EPA, environmental groups, public interest or trade organizations, or other MS4s. The types of materials and program focus for the materials utilized will be summarized in the annual MRGSQT Outcomes Report. This report is available upon request.	**Met FY 2025 Goal.** • Educational materials are provided on the MRGSQT website (https://keeptheriogrand.org) and are typically summarized in the MRGSQT Outcomes Report.

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	136	**TABLE 9: Public Involvement and Participation - Part I.D.5.h**			
8.1	137	Develop (or update), implement, and maintain a public involvement and participation plan as required in Part I.D.5.h.(ii). This plan should provide opportunities for participation in the review, modification and implementation of the SWMP; develop and implement a process by which public comments to the plan are received and reviewed by the person(s) responsible for the SWMP; and make the SWMP available to the public and to the operator of any MS4 or Tribal authority receiving discharges from the MS4.	Part I.D.5.h.(ii) - AMAFCA will continue its Public Involvement and Participation program to encourage public involvement in the review, modification and implementation of the AMAFCA SWMP.	• AMAFCA will post the draft SWMP, any SWMP amendments or modifications, and draft Annual Reports to the www.amafca.org website with an explanation of the public comment period and instructions on how to submit comments. The posted documents will provide explanations of substantial changes, if applicable. • At least 30-days prior to submission of each updated SWMP, AMAFCA will provide public notice and make a draft copy of the updated SWMP available for public review and comment. • At least 45-days prior to submission of each Annual Report, AMAFCA will provide public notice and make a draft copy of the Annual Report available for public review and comment, as required in Part III.B of the MS4 Permit.	**Met FY 2025 Goals.** • AMAFCA posted the availability of a draft Annual Report on the www.AMAFCA.org website with an explanation of the public comment period and instructions on how to submit comments. • AMAFCA met the Permit required 45-day notice period for the draft FY 2025 Annual Report.
8.1	138	As required in Part I.D.5.h.(iii), the Public Involvement and Participation Plan shall include a comprehensive planning process which involves public participation and where necessary intergovernmental coordination. The permittee must include the following elements in the plan: (a) A detailed description of the general plan for informing the public of involvement and participation opportunities, including types of activities; target audiences; how interested parties may access the SWMP; and how the public was involved in development of the SWMP; (b) The development and implementation of at least one (1) assessment of public behavioral change following a public education and/or participation event; (c) A process to solicit involvement by environmental groups, environmental justice communities, civic organizations or other neighborhoods /organizations interested in water quality-related issues; and (d) An evaluation of opportunities to utilize volunteers for stormwater pollution prevention activities and awareness throughout the area.	Part I.D.5.h.(iii) - As allowed in this Permit section's "Program Flexibility Elements", AMAFCA, through its involvement with the MRGSQT, has integrated this section of the Public Involvement and Participation program with the existing Public Education and Outreach programs in the Middle Rio Grande area. The program includes: (a) A general plan for public of involvement and participation opportunities, including types of activities; target audiences; how interested parties may access the SWMP; and how to encourage public involvement in development and updates of the SWMP; (b) The development and implementation of water quality surveys to assess public knowledge and behavioral change following a public education and/or participation event; (c) A process to solicit involvement in development and updates of the SWMP through following the 45-day Annual Report and 30-day SWMP public comment period; and (d) An evaluation of opportunities to utilize volunteers for stormwater pollution prevention activities, including maintaining Mutt Mitt stations.	• AMAFCA will contribute and participate in the MRGSQT, which participates in public events and solicits public participation and feedback by way of volunteer participation and water quality surveys. Both the BEMP and program include participation metrics. In addition, the MRGSQT has developed and will include surveys for public behavior changes and feedback at their events. • AMAFCA will continue to follow the 45-day Annual Report and 30-day SWMP public comment period during the term of this Permit. • AMAFCA will continue to provide Mutt Mitt stations and seek volunteers to maintain the stations. AMAFCA will continue tracking this activity and reviewing metrics during the term of this Permit.	**Met FY 2025 Goal.** • AMAFCA continued to contribute to and participate in the MRGSQT; the Outcomes Report is contained in the Program Summaries section of the Annual Report. BEMP, River Xchange, and Arroyo Classroom programs continued in FY 2025. • AMAFCA met the Permit required notice period for the FY 2025 Annual Report documents public review. • When appropriate, AMAFCA held project specific project meetings to solicit involvement from organization interested in water quality related issues. In addition, AMAFCA participates in the Water Protection Advisory (WPAB) Board Public Involvement Committee (PIC) and presented to the Board in FY 2025. • AMAFCA continued its focus on reducing pet waste through providing Mutt Mitt Stations and bags, maintained by community volunteers. Summary information for the Mutt Mitt Stations Program is available upon request. Information on the Mutt Mitt station program to reduce pet waste and increase public awareness, with the goal of reducing E. coli within the watershed is provided in the Discharges to Water Quality Impaired Water Bodies with an Approved TMDL Program Summary.
8.2	139	Comply with State, Tribal, and local notice requirements when implementing a Public Involvement and Participation Program as required in Part I.D.5.h.(iv). Reporting notification requirements also in Part III.D.4.	Part I.D.5.h.(iv) & Part III.D.4 - AMAFCA will provide digital copies of all MS4 compliance reporting documents to the NMED, Pueblos of Sandia and Isleta as required of the MS4 Permit. The SWMP and Annual Reports are also available on the amafca.org website.	• AMAFCA will provide digital copies of MS4 compliance reporting documents, as appropriate, to the NMED, Pueblos of Sandia and Isleta as required here and in Part III.D.4 of the MS4 Permit. • AMAFCA will continue to post the SWMP and Annual Reports on the www.amafca.org website.	**Met FY 2025 Goal.** • AMAFCA provided copies of the FY 2025 Annual Report to the NMED, Pueblo of Sandia, and Pueblo of Isleta as required here and in Part III.D.4 of the MS4 Permit. • AMAFCA continued its process of posting the current SWMP and the most recent Annual Report on the www.keeptheriograndorg and/or the www.amafca.org websites.

NOI Section	ID	Permit Activity Description	Plan SWMP Rev. 7 - July 1, 2024	Measurable Goal SWMP Rev. 7 - July 1, 2024	Status of Implementation and Performance Assessment Permit Year July 2024 to June 2025 (FY 2025)
8.3	140	Include elements as required in Part I.D.5.h.(v). The public participation process must reach out to all economic and ethnic groups. Opportunities for members of the public to participate in program development and implementation include serving as citizen representatives on a local stormwater management panel, attending public hearings, working as citizen volunteers to educate other individuals about the program, assisting in program coordination with other preexisting programs, or participating in volunteer monitoring efforts.	Part I.D.5.h.(v) - As allowed in this Permit section's "Program Flexibility Elements", AMAFCA, through its involvement with the MRGSQT cooperative programs, has integrated this section of the Public Involvement and Participation program with existing Public Education and Outreach programs in the Middle Rio Grande area. AMAFCA will continue to include stormwater quality information for the public at events, including public meetings. AMAFCA may have Spanish translations, as needed, of public meeting announcements and data sheets.	• AMAFCA will continue to include (along with the cooperative MRGSQT programs) water quality information for the public at events, including public meetings. Where neighborhoods include Spanish-speaking residents, MRGSQT may have Spanish-translations available of public meeting announcements and data sheets. By attending a variety of events at widespread locations throughout the area and by using the leading area newspaper (Albuquerque Journal) to advertise events, the MRGSQT ensures that a wide-range of economic and ethnic groups are reached, as documented in the Outreach Report. • AMAFCA will use the Watershed Protection Advisory Board, Public Involvement Committee as a mechanism to reach out to the community for volunteers and to solicit input through public meetings and discussions.	**Met FY 2025 Goals.** • AMAFCA participated in the Watershed Protection Advisory Board (WPAB) Public Involvement Committee (PIC).
8.4	141	Update the SWMP document and Annual Report as required in Part I.D.5.h.(vi), Part I.D.5.h.(vii), and Part I.D.5.h.(viii). The permittee must include in the SWMP a description of the mechanisms utilized to comply with each of the elements required in Parts I.D.5.h.(i) throughout part I.D.5.h.(iv) and its corresponding measurable goal. The permittee shall assess the overall success of the program, and document the program effectiveness in the Annual Report. The permittee must provide public accessibility of the SWMP and Annual Reports online via the Internet and during normal business hours at the MS4 operator's main office for public inspection and copying consistent with any applicable federal, state, tribal, or local open records requirements. Upon a showing of significant public interest, the MS4 operator is encouraged to hold a public meeting (or include in the agenda of in a regularly scheduled city council meeting, etc.) on the NOI, SWMP, and Annual Reports.	Part I.D.5.h.(vi) - AMAFCA's Stormwater Quality Engineer will review the program requirements listed for the above-mentioned program elements during the SWMP update and Annual Report process. A strategy to implement any new program requirements or improve compliance with the program requirements will be discussed with the MRGSQT, if applicable, and developed as needed. Part I.D.5.h.(vii) - AMAFCA will document the program effectiveness and program success. AMAFCA will incorporate documentation by reference into the Annual Report. Part I.D.5.h.(viii) - AMAFCA will provide public accessibility of the SWMP and Annual Reports online via the Internet on the www.amafca.org website. At least 30-days prior to submission of each updated SWMP, AMAFCA will provide public notice and make a draft copy of the updated SWMP available for public review and comment and at least 45-days prior to submission of each Annual Report, AMAFCA will provide public notice and make a draft copy of the Annual Report available for public review and comment, as required in Part III.B of the MS4 Permit.	• The AMAFCA Stormwater Quality Engineer will review and include the program requirements listed in Part I.D.5.g during the SWMP update and Annual Report process. • AMAFCA will document the program effectiveness and program success. AMAFCA will incorporate documentation by reference into the Annual Report. • AMAFCA will provide public accessibility of the current SWMP document and the most recent Annual Report online via the Internet on the www.amafca.org website.	**Met FY 2025 Goals.** • AMAFCA continued to utilize the Annual Report and SWMP revision process as a means to perform a self-audit on the MS4 Program elements. • This Annual Report and the MRGSQT Outcomes Report document the program effectiveness and program success in the status of implementation and performance assessment for each MS4 Permit requirement. The MRGSQT Outcomes Report is contained in the Program Summaries section of the Annual Report. • AMAFCA continued to provide public accessibility of the current SWMP document and the most recent Annual Report online via the Internet (www.amafca.org and/or www.keeptheriogrand.org) and during normal business hours at the AMAFCA office. AMAFCA is located at 2600 Prospect Avenue NE, Albuquerque, NM 87107. The phone number is 505-884-2215. • AMAFCA met the Permit required 45-day notice period for the FY 2025 Annual Report. Documentation for the public review notices are provided in this section of the Annual Report.
8.5	142	Enhance the program to include requirements in Part I.D.5.h.(ix). The permittee may integrate the public involvement and participation program with existing education and outreach programs in the Middle Rio Grande area. Example of existing programs include: Adopt-A-Stream Programs; Attitude Surveys; Community Hotlines (e.g. establishment of a '311'-type number and system established to handle storm-water-related concerns, setting up a public tracking/reporting.	Part I.D.5.h.(ix) - AMAFCA will continue to include in its (and in the cooperative MRGSQT programs) public involvement and participation programs: funds toward groups which include public participation, such as Boy or Girl Scouts of America, , the Bosque Ecosystem Monitoring Program (BEMP), Earth Force - Keep it Clean student outreach, Talking Talons Youth Leadership Activities, and Youth Corps programs. MS4s that are members of the MRGSQT benefit from the Albuquerque 311 Citizen Contact Center.	• AMAFCA will document progress made with these program enhancement activities. AMAFCA and the MRGSQT will continue to review, update, and enhance public involvement and participation programs. The MRGSQT Outcomes Report will provide the documentation for this Permit activity. This report is available upon request. • MS4s that are members of the MRGSQT benefit from the Albuquerque 311 Citizen Contact Center. This is discussed in more detail in the Illicit Discharges and Improper Disposal Control Measure.	**Met FY 2025 Goals.** • The MRGSQT Outcomes Report summarizes the public involvement and participation programs and activities for FY 2025. This report is contained in the Program Summaries section of the Annual Report. • AMAFCA continued to participate in the 311 call in program. This is discussed in more detail in the Illicit Discharges and Improper Disposal Control Measure section.
8.6	143	Item from MS4 Permit NOI. Describe other proposed activities to address the Public Involvement and Participation Measure.	AMAFCA will continue to utilize the Annual Report and SWMP revision process as a means to perform a self-audit with the goal to improve its MS4 Programs.	• AMAFCA will document progress made, if any, related to the Annual Report and SWMP revision process as a means to perform a self-audit on the MS4 Program elements.	**Met FY 2025 Goal.** • AMAFCA continued to utilize the Annual Report and SWMP revision process as a means to perform a self-audit on the MS4 Program elements.

NOI Section	ID	Permit Activity Description	Plan SWMP Rev. 7 - July 1, 2024	Measurable Goal SWMP Rev. 7 - July 1, 2024	Status of Implementation and Performance Assessment Permit Year July 2024 to June 2025 (FY 2025)
	144	**Part III - Monitoring, Assessment and Reporting Requirements**			
	145	**TABLE 10: Wet Weather Monitoring Program - Part III.A.1**			
See NOI Sections Below	146	According to the requirements in Part III.A.1., The permittee must develop, in consultation with NMED and EPA (and affected Tribes if monitoring locations would be located on Tribal lands), and implement a comprehensive monitoring and assessment program. The permittees shall conduct wet weather monitoring to gather information on the response of receiving waters to wet weather discharges from the MS4 during both wet season (July 1 through October 31) and dry season (November 1 through June 30). Wet Weather Monitoring shall be conducted at outfalls, internal sampling stations, and/or in-stream monitoring locations at each water of the US that runs in each entity or entities' jurisdiction(s).	Part III.A.1 - Wet weather screening is synonymous with compliance monitoring. In the MRG MS4 Permit area, stormwater runoff discharges to the Rio Grande at outfall locations via major drainage channels, storm drains, and pump stations. The Rio Grande, the only perennial river in the watershed, enters the MRG Watershed in one location (North of Albuquerque) and leaves the MRG Watershed south of Albuquerque. Details for this program are provided in the SWMP sections below.	The program details and measurable goals are described below. The Final Sampling Plan for Cooperative Compliance Monitoring (CMC) was submitted to EPA on May 5, 2016. The sampling plan was accepted by the EPA and NMED. The current 2014 Middle Rio Grande Watershed Based Municipal Separate Storm Sewer System (MS4) Permit, NPDES Permit No. NMR04A000, expired on December 19, 2019. The MRG Watershed Based MS4 Permit entered into administrative continuance in Dec. 2019 when EPA Region 6 did not issue a new MS4 Permit before the current MS4 Permit expirations date. The MS4 TAG sent EPA an Administrative Continuance letter dated October 15, 2019. Until a new MS4 Permit is issued, there are no wet and dry weather monitoring requirements in the Rio Grande. However, during administrative continuance, the CMC members will evaluate and may choose to continue sampling to support their MS4 program needs, demonstrate program progress, or gather additional data in support of the future Permit compliance.	**See specific Permit activity below.**
IV	147	Part III.A.3.1.b. Option B: Cooperative Monitoring Program Develop a cooperative wet weather monitoring program with other permittees in the Middle Rio Grande Watershed. The program will monitor waters coming into the watershed (upstream) and leaving the watershed (downstream). The program must include sampling for TSS, TDS, COD, BOD5, DO, oil and grease, E. coli, pH, total kjeldahl nitrogen, nitrate plus nitrite, dissolved phosphorus, total ammonia plus organic nitrogen, total phosphorus, PCBs and Gross alpha. Monitoring of temperature shall be also conducted at outfalls and/or Rio Grande monitoring locations. Permittees must include additional parameters from monitoring conducted under permits NMS000101, NMR04A000 or/and NMR040001 whose mean values are at or above a WQS. The monitoring program must sample the pollutants for a minimum of 7 storm events per location during the permit term with at least 3 events in the wet season and 2 events in the dry season.	Part III.A.3.1.b. Option B: Cooperative Monitoring Program -The cooperative wet weather compliance monitoring will monitor waters coming into the watershed (upstream) and leaving the watershed (downstream) for a minimum of 7 storm events per location during the Permit term with at least 3 in the events in the wet season and 2 events in the dry season. The wet season is defined in the permit as July 1 through October 31 and the dry season as November 1 through June 30. AMAFCA joined the Compliance Monitoring Cooperative (CMC) group, which includes 12 watershed partners. The participatory permittees have developed a cooperative wet weather compliance monitoring program to assess the effect of stormwater discharges on the receiving water, the Middle Rio Grande. This monitoring plan was reviewed and discussed with NMED and EPA during its development. The cooperative sampling plan was accepted by EPA and permittees submitted the sampling plan on May 5, 2016 and sampling certification to EPA on June 28, 2016. At the end of FY 2019, all Permit required samples have been obtained by the CMC.	• If the CMC does continue wet weather compliance monitoring during administrative continuance of this Permit, the monitoring program will follow the Permit requirements for parameters tested (TSS, TDS, COD, BOD5, DO, oil and grease, E. coli, pH, total kjeldahl nitrogen, nitrate plus nitrite, dissolved phosphorus, total ammonia plus organic nitrogen, total phosphorus, PCBs, Gross alpha, and temperature). In addition, parameters from stormwater monitoring conducted under Permit NMS000101, whose mean values were at or above a WQS, will also be tested. The complete list of parameters is listed in the CMC sampling plan. In addition, DO, pH, conductivity, and temperature will be analyzed in the field within 15 minutes of sample collection. • If the CMC does continue wet weather compliance monitoring during administrative continuance of this Permit, the parameter list may be modified based on a review of the results obtained within the watershed and the program assessment needs for the permittees. AMAFCA will document, as applicable, any wet weather monitoring activity. AMAFCA will incorporate documentation by reference into the Annual Report and plans to document progress on the AMAFCA website. • If the CMC does continue wet weather compliance monitoring during administrative continuance of this Permit, the monitoring program will be conducted according to the approved Sampling Plan for Compliance Monitoring.	**Met FY 2025 Goals.** • The required CMC sampling for the MS4 Permit term in the Rio Grande (2016 to 2019) was completed in FY 2019. The MRG Watershed Based MS4 Permit entered into administrative continuance in Dec. 2019 when EPA Region 6 did not issue a new MS4 Permit before the current MS4 Permit expired. The MS4 TAG sent EPA an Administrative Continuance letter dated October 15, 2019, acknowledging that until a new MS4 Permit is issued, there are no compliance monitoring requirements in the Rio Grande. Although compliance sampling is currently not required, the CMC has opted to continue collecting samples while the permit is in administrative continuance. Two (2) CMC monitoring and sampling events were conducted in FY 2025. The CMC sampled the wet season storm events on July 17-19, 2024 and June 4-5, 2025. • The CMC continued to maintain a database of the analysis results from the collected samples for the approved parameters. This database is available upon request. The E. coli loading and load allocation calculations related to the CMC monitoring program are available upon request for the cooperative sampling completed in FY 2016 – FY 2025.
IV	148	As required in Part III.A.1.e. and Table 10, the permittees shall submit wet weather monitoring preference Option A or Option B to EPA (i.e., individual monitoring program vs. cooperative monitoring program) with NOI submittals.	Part III.A.1.e, Table 10 - AMAFCA submitted its NOI in compliance with the permit requirements and schedule. AMAFCA will participate in Option B - cooperative monitoring program.	• This Permit activity is complete.	**Permit Activity is Complete.**

NOI Section	ID	Permit Activity Description	Plan SWMP Rev. 7 - July 1, 2024	Measurable Goal SWMP Rev. 7 - July 1, 2024	Status of Implementation and Performance Assessment Permit Year July 2024 to June 2025 (FY 2025)
Not Included in NOI	149	Part III.A.1.e, Table 10 - Submit a detailed description of the monitoring scheme to EPA and NMED for approval. The monitoring scheme should include: a list of pollutants; a description of monitoring sites with an explanation of why those sites were selected; and a detailed map of all proposed monitoring sites. In addition, as required in Part III.A.1.h, the monitoring program must include a contingency plan for collecting additional monitoring data within the MS4 or at additional appropriate instream locations should monitoring results indicate that MS4 discharges may be contributing to instream exceedances of WQS. The purpose of this additional monitoring effort would be to identify sources of elevated pollutant loadings so they could be addressed by the SWMP.	Part III.A.1.e, Table 10 - AMAFCA joined the Compliance Monitoring Cooperative (CMC) group, which includes 12 watershed partners. The participatory permittees have developed a wet weather cooperative monitoring program to assess the effect of stormwater discharges on the receiving water, the Middle Rio Grande. This monitoring plan was reviewed and discussed with NMED and EPA during its development. Multiple drafts were submitted to EPA and NMED by the CMC, including drafts on Sept. 16, 2015 and Dec. 21, 2015. The cooperative monitoring plan was accepted by EPA and permittees submitted the sampling plan on May 5, 2016 and sampling certification to EPA on June 28, 2016. Modifications to this sampling may be submitted to the EPA in the future, as needed for approval.	• This Permit activity is complete. • The CMC members have met all requirements for wet weather compliance monitoring. If the CMC does continue wet weather monitoring during administrative continuance of this Permit, the monitoring program will be conducted according to the EPA/NMED approved monitoring plan.	**Permit Activity is Complete.**
Not Included in NOI	150	Part III.A.1.e, Table 10 - Submit certification that all wet weather monitoring sites are operational and begin sampling.	Part III.A.1.e, Table 10 - AMAFCA submitted its sampling certification to EPA on June 28, 2016.	• This Permit activity is complete. • AMAFCA, with its cooperative partners, has submitted certifications to the EPA that all wet weather compliance monitoring sites are operational and the CMC has begun sampling, according to the Permit requirements.	**Permit Activity is Complete.**
Not Included in NOI	151	As required in Part III.A.1.e, update SWMP document and submit Annual Reports. The results of the Wet Weather Monitoring must be provided in each Annual Report. As required in Part III.D.1 -Monitoring results obtained during the reporting period running from July 1st to June 30th shall be submitted on discharge monitoring report (DMR) forms along with the Annual Report required by Part III.B. A separate DMR form is required for each monitoring period (season) specified in Part III.A.l. If any individual analytical test result is less than the minimum quantification level (MQL) listed for that parameter, then a value of zero (0) may be used for that test result for the DMR calculations and reporting requirements. The Annual Report shall include the actual value obtained, if test result is less than the MQL.	Part II.A.1.e, Table 10 - AMAFCA's Stormwater Quality Engineer will review the program requirement for the above-mentioned program elements, during the Annual Report process. A strategy to implement any new program requirements or improve compliance with the program requirements will be developed as needed. Part III.D.1 - The wet weather compliance monitoring results obtained by the CMC from July 1st to June 30th will be submitted as required by the EPA using the (No Suggestions) online website or as otherwise approved by EPA as part of the cooperative sampling program. EPA has required that the NetDMR online system be used to submit DMR results. Since this Permit will be in administrative continuance, and all required compliance monitoring results have been obtained, AMAFCA anticipates additional coordination with EPA relative to future samples uploaded to the NetDMR system. Monitoring results obtained from any continued CMC stormwater quality monitoring are available upon request.	• As part of the Annual Report process each year, the Stormwater Quality Engineer will review the program requirements listed in Part III.A.1, for the above-mentioned SWMP elements, and assess the overall success of the program. AMAFCA will document the program effectiveness and program success. AMAFCA will incorporate documentation by reference into the Annual Report. • The CMC members have met all requirements for wet weather compliance monitoring. If the CMC does continue wet weather monitoring during administrative continuance of this Permit, the wet weather compliance monitoring results obtained from July 1st to June 30th will be submitted as required by the EPA using the NetDMR online website or as otherwise approved by EPA as part of the cooperative sampling program. Since this Permit is in administrative continuance, and all required compliance monitoring results have been obtained, AMAFCA anticipates additional coordination with EPA relative to future samples uploaded to the NetDMR system. • Monitoring results obtained from any continued CMC stormwater quality monitoring are available upon request.	**Met FY 2025 Goals.** • Refer to ID # 30 above for monitoring program updates for FY 2025.

NOI Section	ID	Permit Activity Description	Plan SWMP Rev. 7 - July 1, 2024	Measurable Goal SWMP Rev. 7 - July 1, 2024	Status of Implementation and Performance Assessment Permit Year July 2024 to June 2025 (FY 2025)
	152	**Dry Weather Discharge Screening of MS4 - Part III.A.2**			
Not Included in NOI	153	According to the requirements in Part III.A.2., Each permittee shall identify, investigate, and address areas within its jurisdiction that may be contributing excessive levels of pollutants to the Municipal Separate Storm Sewer System as a result of dry weather discharges (i.e., discharges from separate storm sewers that occur without the direct influence of runoff from storm events, e.g. illicit discharges, allowable non-stormwater, groundwater infiltration, etc.). Due to the arid and semi-arid conditions of the area, the dry weather discharges screening program may be carried out during both wet season (July I through October 31) and dry season (November 1 through June 30). Results of the assessment shall be provided in each Annual Report.	Part III.A.2 - The program details and measurable goals are described below, in the Pollution Prevention/Good Housekeeping Control Measure, and in the Illicit Discharge and Improper Disposal Control Measure. There are no perennial streams in the Albuquerque area that contribute to the Rio Grande. As such, the dry weather screening program serves a dual purpose as an illicit discharge screening analysis.	• The program details and measurable goals are described below, in the Pollution Prevention/Good Housekeeping Control Measure, and in the Illicit Discharge and Improper Disposal Control Measure.	**Met FY 2025 Goal.** • The program details and measurable goals are described below, in the Pollution Prevention/Good Housekeeping Control Measure, and in the Illicit Discharge and Improper Disposal Control Measure.
Not Included in NOI	154	Part III.A.2 -This program may be coordinated with the illicit discharge detection and elimination program required in Part I.D.5.e. The dry weather screening program shall be described in the SWMP and comply with the schedules contained in Part I.D.5.e.(iii). The permittee shall: a) Include sufficient screening points to adequately assess pollutant levels from all areas of the MS4. b) Screen for, at a minimum, BOD5, sediment or a parameter addressing sediment (e.g., TSS or turbidity), E. coli, Oil and Grease, nutrients, any pollutant that has been identified as cause of impairment of a waterbody receiving discharges from that portion of the MS4, including temperature. c) Specify the sampling and non-sampling techniques to be issued for initial screening and follow-up purposes. d) Perform monitoring only when an antecedent dry period of at least 72 hours after a rain event greater than 0.1 inch in magnitude is satisfied. Monitoring methodology shall consist of collecting a minimum of 4 grab samples spaced at a minimum interval of 15 minutes each.	Part III.A.2 - AMAFCA will continue with the existing, cooperative Dry Weather Screening program in place under MS4 Permit NMS000101. The existing Dry Weather Screening program cooperative program with COA includes screening various locations, which screen 100% of COA/AMAFCA jurisdiction and targets industrial areas. Should any discharge be present in a quantity sufficient for analysis, it will be screened for BOD5, sediment (e.g., TSS or turbidity), E. coli, oil and grease, and nutrients. Any discharge collected will be a grab sample according to the Permit monitoring methodology. In addition, AMAFCA has in place a well-defined and implemented routine inspection and O&M program that includes both formal and informal inspections and maintenance schedules for its watershed protection elements. AMAFCA will continue membership and involvement in the cooperative MS4 Technical Advisory Group (MS4 TAG), which will facilitate cooperation and coordination with other MS4s in the Middle Rio Grande related to screening for illicit discharges.	• Under MS4 Permit NMR04A000, COA has taken the lead on this program and is responsible for the dry weather screening and documentation for this existing program. Screening results collected by the COA can be provided upon request. • AMAFCA will continue to perform inspections according to the applicable O&M Manuals and Plans. These inspections also function as dry weather inspections. • AMAFCA will continue membership and involvement in the cooperative MS4 Technical Advisory Group (MS4 TAG) which will facilitate cooperation and coordination with other MS4s in the Middle Rio Grande related to screening for illicit discharges.	**Met FY 2025 Goals.** • In cooperation with the COA, the Dry Weather Screening for 40 locations throughout the Middle Rio Grande Watershed, including the AMAFCA MS4, was completed and shared with AMAFCA by COA. The screening followed the requirements in (a) through (d) for this Permit element. The screening report is included as a Program Summary for the Annual Report. • In FY 2025, AMAFCA continued to implement routine inspections and maintenance that included both formal and informal inspections and maintenance schedules for its watershed protection elements. These inspections also functioned as dry weather inspections. Refer to the Pollution Prevention/Good Housekeeping Control Measure for additional information. In FY 2025, AMAFCA continued to perform inspections according to the applicable Manuals and Plans. • AMAFCA continued to be involved in the MS4 TAG group in FY 2025.

NOI Section	ID	Permit Activity Description	Plan SWMP Rev. 7 - July 1, 2024	Measurable Goal SWMP Rev. 7 - July 1, 2024	Status of Implementation and Performance Assessment Permit Year July 2024 to June 2025 (FY 2025)
	155	**Floatables Monitoring - Part III.A.3**			
Not Included in NOI	156	According to the requirements in Part III.A.3., The permittees shall establish locations for monitoring/assessing floatable material in discharges to and/or from their MS4. A cooperative monitoring program may be established in partnership with other MS4s to monitor and assess floatable material in discharges to and/or from a joint jurisdictional area or watershed basis. Floatable material shall be monitored at least twice per year at priority locations and at minimum of two (2) stations. The amount of collected material shall be estimated in cubic yards. a) One (1) station should be located in the North Diversion (only applicable to COA and AMAFCA).	Part III.A.3 - AMAFCA will continue to monitor floatable material and the amount collected in participation with other MS4s. AMAFCA will monitor floatable material in the settling area of the NDC and at the I-25/SDC Baffle Chute Stormwater Quality Facility. Note the NDC settling area is within the AMAFCA easement on Sandia Pueblo property, but that is where AMAFCA has monitored floatables for many years. The requirements in this Permit section will be completed in conjunction with the requirements in TABLE 7: Control of Floatables Discharges - Part I.D.5.f. AMAFCA monitors and tracks collection of floatables at all AMAFCA facilities.	• AMAFCA will continue to monitor floatable material and estimate the amount collected at least twice per year at a minimum of 2 stations. • AMAFCA will maintain its 5 drying stations, locations where floatable material, sediment and debris is hauled, separated, and properly disposed of. These stations help AMAFCA meet the requirements for this activity.	**Met FY 2025 Goals.** • AMAFCA continued to monitor floatables and the amount collected in the settling area of the NDC and at the I-25/SDC Baffle Chute Stormwater Quality Facility. In addition to these two locations, AMAFCA continued the task of determining the amount of floatables collected from each of the AMAFCA water quality facilities. In FY 2025, AMAFCA continued to use its crew tracking system and database created internally, specifically to meet the MS4 Permit needs. AMAFCA has estimated quantities for the volume of trash, sediment, and vegetation removed from its water quality facilities in FY 2025. Refer to the Annual Report Program Summary for additional information related to control of floatables.

NOI Section	ID	Permit Activity Description	Plan SWMP Rev. 7 - July 1, 2024	Measurable Goal SWMP Rev. 7 - July 1, 2024	Status of Implementation and Performance Assessment Permit Year July 2024 to June 2025 (FY 2025)
	157	**Industrial and High Risk Runoff Monitoring - Part III.A.4**			
4	158	The permittees shall monitor stormwater discharges from Type 1 and 2 industrial facilities which discharge to the MS4 provided such facilities are located in their jurisdiction. (Note: if no such facilities are in the permittee's jurisdiction, the permittee must certify that this program element does not apply).	Activity removed from AMAFCA's SWMP (Rev. 0, December 1, 2015). AMAFCA certifies with submittal of this SWMP that no such industrial activities are located in AMAFCA's jurisdiction and this program element does not apply. This was submitted to EPA in AMAFCA's NOI and accepted.	N/A	N/A

Summary of AMAFCA's MS4
Dissolved Oxygen Program
FY 2025 (July 1, 2024 – June 30, 2025)

NPDES Permit No. NMR04A000
Part I.C.1.d - Special Conditions, Compliance with Water Quality Standards and
Part I.C.3.a - Endangered Species Act (ESA) Requirements - Dissolved Oxygen Strategy

AMAFCA monitors and evaluates the potential effect of stormwater discharges related to dissolved oxygen (DO) in the Rio Grande. The DO of stormwater discharges to the Rio Grande at the North Diversion Channel (NDC) outfall has been monitored by AMAFCA and cooperative Municipal Separate Storm Sewer System (MS4) agencies, with communication with the United States Fish and Wildlife Service (USFWS) and EPA, since 2004. Several strategies and constructed modifications to the NDC Embayment were implemented from 2011-2016. Currently, in normal river flow conditions, water from the Rio Grande will not stagnate in the NDC Embayment and create low DO conditions. These improvement projects provided control measures to eliminate conditions that cause or contribute to exceedances of applicable DO water quality standards.

In FY 2025, AMAFCA continued to follow the updated quality assurance project plan (QAPP), the field sampling plan (FSP), and related Standard Operating Procedures (SOPs) for AMAFCA's stormwater quality monitoring program. The format and contents of these documents are modeled after the New Mexico Environment Department (NMED) Surface Water Quality Bureau (SWQB) water quality management programs to facilitate sharing of data between the agencies. These documents provide a framework and detailed methods for the collection and analysis of environmental data as well as provide guidance for generating data that is of the precision, accuracy, and completeness necessary for AMAFCA's program.

In accordance with AMAFCA's Stormwater Management Program (SWMP), AMAFCA has and will continue to assess the potential effect of stormwater discharges into the Rio Grande by collecting and evaluating DO data.

AMAFCA MS4 Sonde Program Summary

The purpose of AMAFCA's Sonde Monitoring Program is to obtain surface water quality data within the Rio Grande to support AMAFCA and the cooperative MS4 agencies with the assessment of surface water quality parameters, as required by the Endangered Species Act requirements incorporated into the MS4 Permit. In addition, the Sonde Monitoring Program data supports determination of long-term surface water quality trends, related to stormwater impacts and impairments, within the Middle Rio Grande. The sondes monitor temperature, barometric pressure, pH, turbidity, DO, DO saturation (%), and water depth above each sonde. AMAFCA has improved the Sonde Program through the years with current access to real-time online data using the HydroVu data management application, allowing quicker response and solutions to maintenance issues.





Photos of AMAFCA Sondes

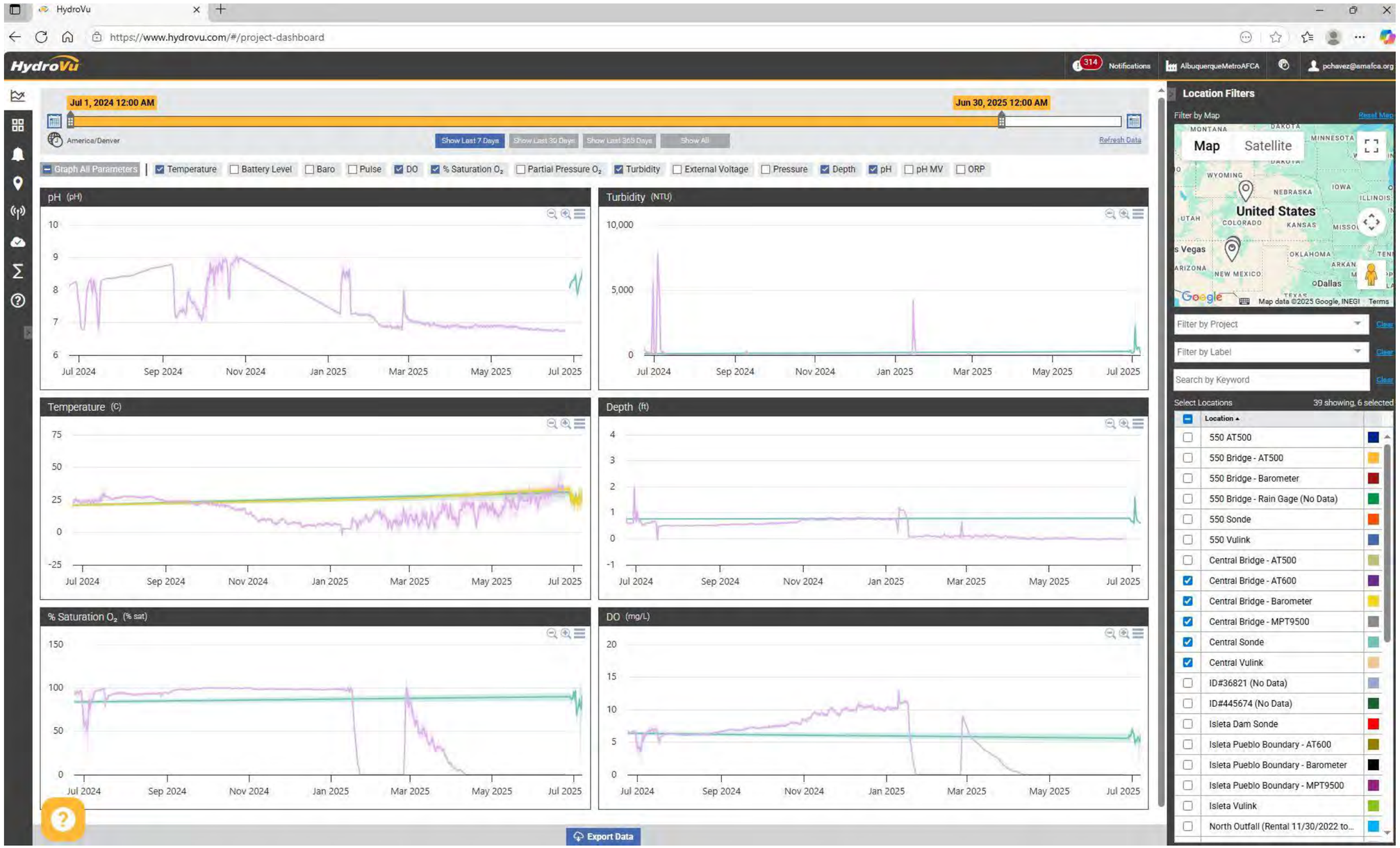


Image of Online HydroVu Portal View.

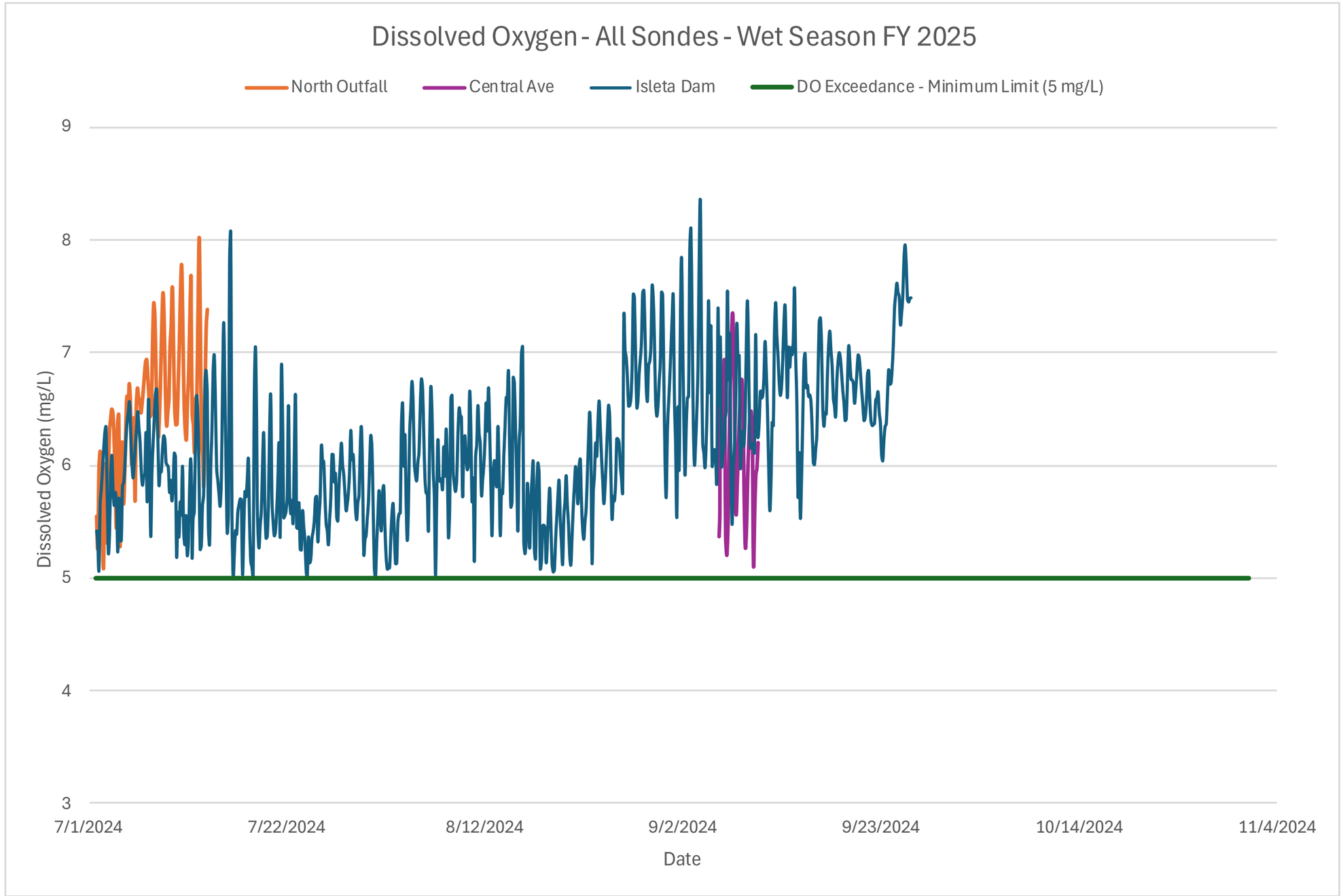
HydroVu Provides AMAFCA with Access to Real-Time Sonde Data in the Rio Grande

From the AMAFCA FY 2025 In-Stream Water Quality Monitoring Memos, which report on the AMAFCA sonde data, the DO fell slightly below 5 mg/L related to storm events within the watershed for the following locations:

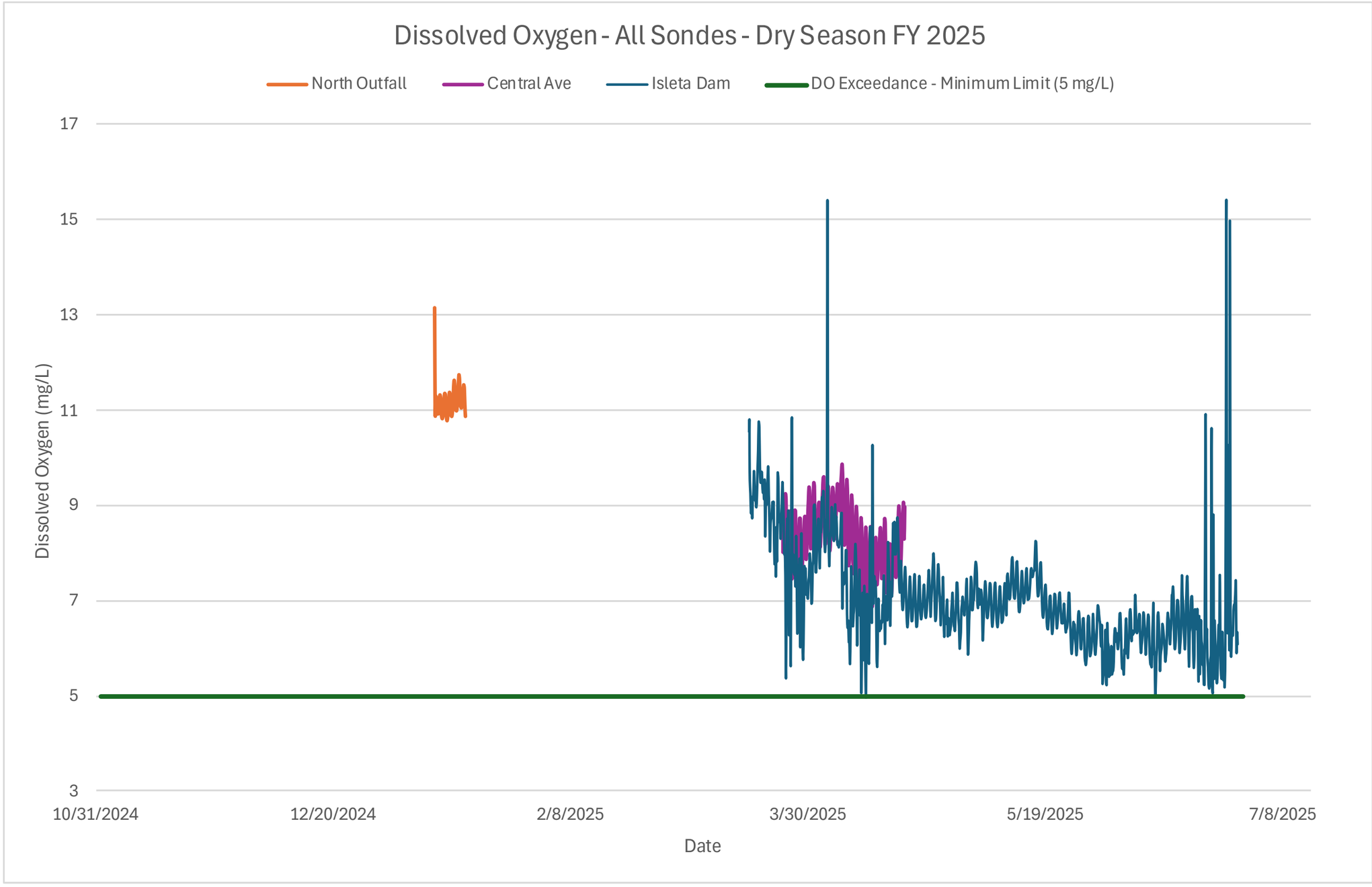
- North Outfall Sonde– No instances in FY 2025 with DO levels below 5 mg/L at this location. This sonde was offline due to low water levels from July 2024 – June 2025, except for 10 days in the month of January 2025.

- Central Ave. Bridge – No instances in FY 2025 with DO levels below 5 mg/L at this location. This sonde was offline due to low water levels from October 2024 – March 2025.

- Isleta Dam – No instances in FY 2025 with DO levels below 5 mg/L at this location. This sonde was offline due to low water levels from November 2024 – March 2025.



Plot of DO Data Collected from Sondes Deployed During FY 2025 Wet Season



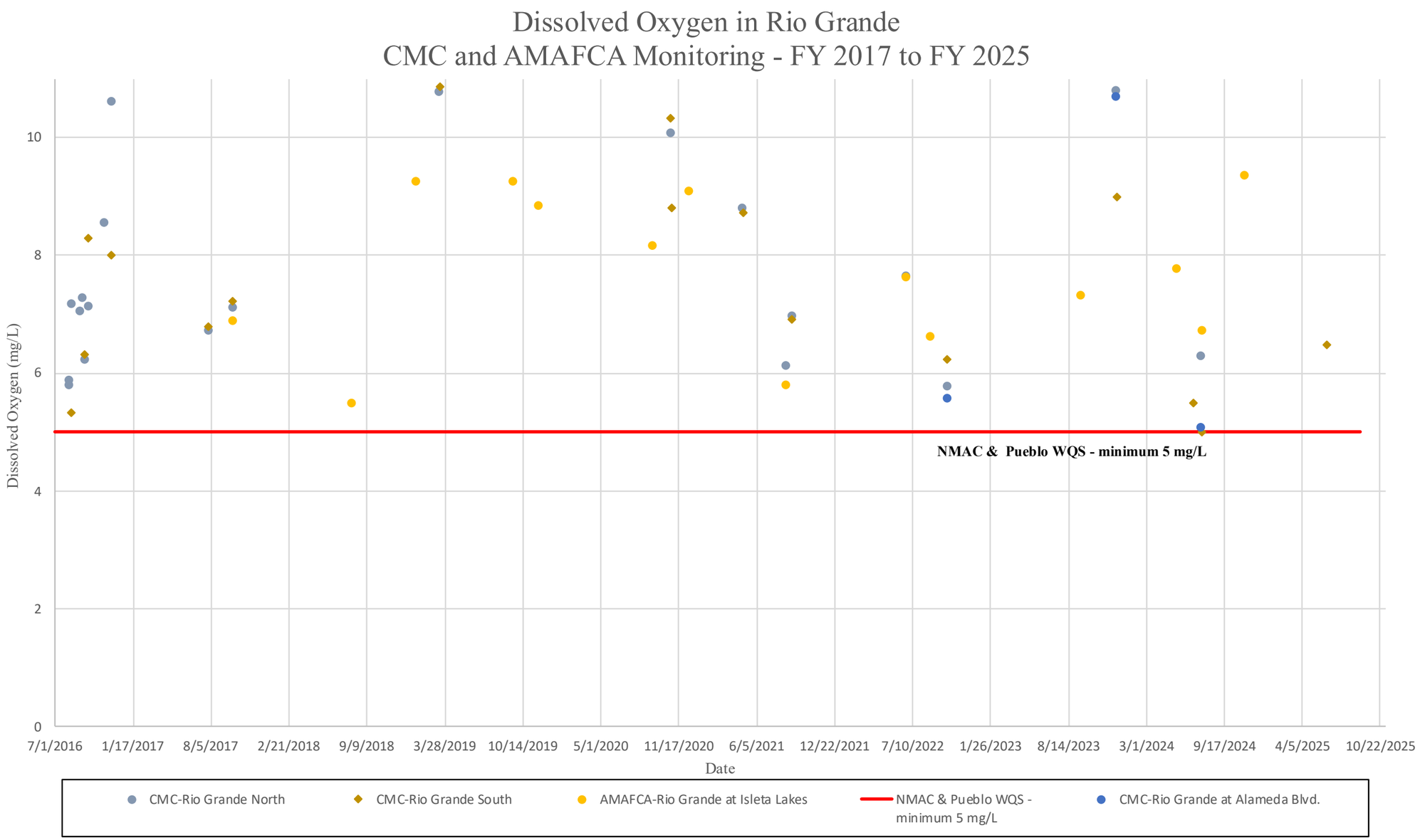
Plot of DO Data Collected from Sondes Deployed During FY 2025 Dry Season

CMC and AMAFCA Water Quality Monitoring Program Summary for DO

In addition to the Sonde Program, both AMAFCA and the Middle Rio Grande Compliance Monitoring Cooperative (CMC) collect grab samples within the Rio Grande during storm events. Field data is measured, including DO, for these samples. For MS4 Permit compliance, the Middle Rio Grande CMC has two monitoring points where DO field measurements are collected, north and south of the urbanized portion of the river. The AMAFCA Monitoring Program collects samples in the Rio Grande at the downstream (south) end of the watershed (Rio Grande at Isleta Lakes). The graph on page 8 shows the DO data from all AMAFCA and CMC samples collected from July 2016 – June 2025. None of the correctly collected field DO data from these programs from 2016 to 2025 have recorded DO in the Rio Grande during stormwater discharge events below the water quality standard of 5 mg/L for the Rio Grande (NMAC 20.6.4).



Collecting a CMC sample from the Rio Grande at Angostura Diversion at the upstream (north) end of the Middle Rio Grande Watershed



Plot of DO Data Collected from Grab Samples in the Rio Grande Through the AMAFCA and CMC Monitoring Programs

AMAFCA Annual Incidental Take Report Summary

The Annual Incidental Take Report estimates the potential Rio Grande Silvery Minnow (RGSM) harassments and lethality near the North Diversion Channel (NDC) outfall, using the method defined by the USFWS for the Biological Opinion (BO) completed in August 2014. This analysis calculates the frequency (number) of anoxic and hypoxic events and determines if the events meet the measurable goals provided in the December 2014 MS4 Permit No. NMR04A000. It also determines the number of RGSM mortalities and harassments using the BO specified methodology.

The incidental take report summary for FY 2025 is provided on p. 10. For the entire MS4 Permit term up through June 2025, including during administrative continuance, zero anoxic events and one hypoxic event have been identified during the incidental take analysis. During FY 2022, in June 2022, the flow conditions in the Rio Grande through Albuquerque were near dry conditions which led to the first, and only, hypoxic event (on June 22, 2022) reported during the permit term (refer to table below). Hypoxic events occur when the oxygen percent saturation in the river is less than 54.3%. Anoxic events occur when the oxygen percent saturation drops below 8.7%.

MRG Watershed MS4 Permit (issued 2014)	Annual Report Year	Measurable Goals Frequency of Anoxic Events/year	Actual No. of Anoxic Events for Year	Measurable Goals Frequency of Hypoxic Events/year	Actual No. of Hypoxic Events for Year
Permit Year 1	July 2015 - June 2016	18	0	36	0
Permit Year 2	July 2016 - June 2017	18	0	36	0
Permit Year 3	July 2017 - June 2018	9	0	18	0
Permit Year 4	July 2018 - June 2019	9	0	18	0
Permit Year 5	July 2019 - June 2020	9	0	18	0
Admin. Continuance	July 2020 - June 2021	9*	0	18*	0
Admin. Continuance	July 2021 - June 2022	9*	0	18*	1
Admin. Continuance	July 2022 - June 2023	9*	0	18*	0
Admin. Continuance	July 2023 - June 2024	9*	0	18*	0
Admin. Continuance	July 2024 - June 2025	9*	0	18*	0
Values in this table are from Table 1.c from MS4 Permit (p. 21 of part 1).					
* MS4 Permit expired and is in administrative continuance. The same measurable goals as Permit Year 5 are assumed.					

Table Summarizing the Incidental Take Analysis Compared to the MS4 Permit Measurable Goals from FY 2016 – FY 2025

Incidental Take Statement for NDC Discharges to the Rio Grande FY 2025 (July 1, 2024 to June 30, 2025)

NDC Qualifying Storm Event (>250 cfs and V > 13 ac-ft)			$Q_{P\ NDC}$	$Q_{P\ NDC}$	DO_{NDC}	DO Saturation$_{NDC}$	Barometric Pressure (Airport)[1]	$Temp_{NDC}$	$DO_{Rio\ Grande}$	DO Saturation$_{Rio\ Grande}$	$Q_{Daily\ Rio\ Grande}$	$Q_{Daily\ Rio\ Grande}$	No. of RGSM Killed	No. of RGSM Harassed	Was Event Anoxic?	Was Event Hypoxic?
Date	**Time**	**Season (Per BO Table 1)**	Actual 08329900	Rounded (Per BO App. A)	(North Outfall Sonde) (mg/L)	(North Outfall Sonde) (%)	(mm Hg)	(used nearest sonde with data - Isleta sonde) (ºC)	Rio Grande at Central or nearest sonde (Isleta) (mg/L)	or nearest sonde (Isleta) (%)	Actual 08330000	Rounded (Per BO Table 1)	in Lethal Zone DO % Sat < 8.7%, DO <0.7 mg/L	in Impact Area 8.7 %< % DO Sat < 54.3%, 0.7<DO<4.4 mg/L	Enter '1' if Yes, '0' if No (% Sat <= 8.7%; 50% lethality)	Enter '1' if Yes, '0' if No (8.7% > % Sat <= 54.3%)
07/18/24	9:05:00 PM	Summer	287	500	No Data	No Data	632.71	28.99	7.3	106.30	72	0	N/A	N/A	N/A	N/A
07/20/24	6:45:00 PM	Summer	2,480	2,500	No Data	No Data	631.44	24.50	5.4	74.53	104	0	N/A	N/A	N/A	N/A
07/21/24	7:50:00 PM	Summer	986	1,000	No Data	No Data	632.71	27.81	5.4	75.32	364	500	N/A	N/A	N/A	N/A
07/24/24	10:45:00 PM	Summer	682	500	No Data	No Data	634.75	27.68	No Data	No Data	344	500	No Data	No Data	No Data	No Data
07/26/24	9:40:00 PM	Summer	1,470	1,500	No Data	No Data	630.94	27.65	No Data	No Data	369	500	No Data	No Data	No Data	No Data
08/09/24	7:10:00 PM	Summer	1,740	1,500	No Data	No Data	631.70	24.86	5.45	75.74	314	500	N/A	N/A	N/A	N/A
08/27/24	7:25:00 PM	Summer	535	500	No Data	No Data	632.46	23.93	6.23	86.04	347	500	N/A	N/A	N/A	N/A
08/30/24	7:45:00 PM	Summer	299	500	No Data	No Data	633.73	23.78	6.45	88.61	388	500	N/A	N/A	N/A	N/A
08/31/24	7:00:00 PM	Summer	413	500	No Data	No Data	631.95	23.58	6.65	91.58	342	500	N/A	N/A	N/A	N/A
10/19/24	4:15:00 AM	Fall	242	0	No Data	No Data	630.94	15.21	7.0	81.29	75	0	N/A	N/A	N/A	N/A
11/04/24	1:50:00 PM	Fall	150	0	No Data	No Data	624.08	No Data	No Data	No Data	319	500	No Data	No Data	No Data	No Data
04/19/25	2:40:00 PM	Spring	219	0	No Data	No Data	626.87	11.82	7.11	81.77	393	500	N/A	N/A	N/A	N/A
05/04/25	2:45:00 PM	Spring	816	1,000	No Data	No Data	621.79	15.56	6.8	83.58	357	500	N/A	N/A	N/A	N/A
05/07/25	10:45:00 PM	Spring	677	500	No Data	No Data	631.70	15.74	7.6	97.89	431	500	N/A	N/A	N/A	N/A
06/02/25	4:10:00 PM	Summer	2,720	2,500	No Data	No Data	626.87	20.96	6.6	87.99	717	500	N/A	N/A	N/A	N/A
06/04/25	3:50:00 PM	Summer	307	500	No Data	No Data	627.38	20.32	6.4	72.49	518	500	N/A	N/A	N/A	N/A
06/24/25	5:50:00 PM	Summer	5,460	5,500	No Data	No Data	629.92	24.48	6.6	78.64	244	0	N/A	N/A	N/A	N/A
												Total #s / Events:	**0**	**0**	**0**	**0**

NOTE: No. of RGSM Killed or Harassed (Columns O and P) is based on lookup tables from BO Appendix A. From BO, p. 72, if stormwater discharges containing less than 0.7 mg/L DO occur during the period of May 15 to 31, then up to 300 larval silvery minnow per year may also die. This did not occur in FY 2025.

[1] Sonde barometric pressure was not available for these dates (or pressured listed were inconsistently reported). Pressure for this analysis was taken from NOAA climate data station at Albuquerque International Airport (WBAN: 23050). Data given in inHg, converted to mmHg. Data downloaded from: https://www.ncdc.noaa.gov/cdo- web/datasets/LCD/stations/WBAN:23050/detail.

Green Shading	No Incidental Take according to BO; DO in NDC Outfall > 4.4 mg/L and oxygen saturation of 54.3%. Green shading assumes that there was sonde data available for complete analysis. There were no qualifying storm event dates that met this criteria in FY 2025.
Gray Shading	No sonde data was available, and the Incidental Take could not be determined due to lack of sonde data. The North Outfall sonde, located just upstream of the North Diversion Channel outfall, was deployed from July 1 through July 16, 2024, and from January 10 through January 17, 2025, and January 25 through January 26, 2025. It was not deployed during any qualifying storm events. The Central Sonde was deployed from September 5 through October 1, 2024, and March 24 through June 30, 2025. However, the Central Avenue sonde only reported DO and Temperature data from March 24 through April 21, 2025, and June 28 through June 30, 2025 and reported turbidity and pH from June 28 through June 30, 2025. The Central sonde did not report data during any qualifying storm events.
Purple Shading	Incidental Take based on calculated DO concentration or DO saturation (Source: In-Stream Water Quality Monitoring memos from BHI). The North Outfall sonde was not deployed or did not report DO concentration, saturation, or temperature, used nearest available Sonde DO concentration data and temperature (typically, Central or Isleta). The Isleta sonde data was exclusively used for the qualifying storm event analyses in FY 2025.

No. Events w/ Takes for Year:		**0**	
Estimated Incidental Take			
July 2024 to June 2025		Allowed Per Year	Allowed Over 5-Year Permit Term
Mortalities =	**0**	2,280	10,410
Harassments =	**0**	32,616	163,080

Incidental Take Allowance Source: Biological Opinion for U.S. Environmental Protection Agency General NPDES Permit No. NMR04A000, Aug. 2014, USFWS

MRG Watershed MS4 Permit (issued 2014)	Annual Report Year	Measurable Goals Frequency of Anoxic Events/year	Actual No. of Anoxic Events for Year	Measurable Goals Frequency of Hypoxic Events/year	Actual No. of Hypoxic Events for Year
Permit Year 1	July 2015 - June 2016	18	0	36	0
Permit Year 2	July 2016 - June 2017	18	0	36	0
Permit Year 3	July 2017 - June 2018	9	0	18	0
Permit Year 4	July 2018 - June 2019	9	0	18	0
Permit Year 5	July 2019 - June 2020	9	0	18	0
Admin. Continuance	July 2020 - June 2021	9*	0	18*	0
Admin. Continuance	July 2021 - June 2022	9*	0	18*	1
Admin. Continuance	July 2022 - June 2023	9*	0	18*	0
Admin. Continuance	July 2023 - June 2024	9*	0	18*	0
Admin. Continuance	July 2024 - June 2025	9*	0	18*	0

Values in this table are from Table 1.c from MS4 Permit (p. 21 of part 1).
* MS4 Permit expired and is in administrative continuance. The same measurable goals as Permit Year 5 are assumed.

NDC Outfall Project and DO Program Summary

The potential for low DO discharges to the Rio Grande at the NDC outfall has been a concern which AMAFCA has been addressing, with the USFWS and EPA, since 2004. Several strategies, including various NDC Embayment modifications, have been implemented from 2011-2014. In 2015-2016, AMAFCA completed construction, after coordination with USFWS, of the NDC Outfall Grade Control Structures Modification Project and NDC Embayment Regrading Project.

The NDC Embayment was filled in and regraded in 2015-2016, thereby removing the constant hydraulic connection between the Rio Grande and the NDC Bathtub/Outfall. In normal river flow conditions, water from the Rio Grande will not be able to stagnate in the Embayment and create low DO conditions. These improvement projects provide control measures to eliminate conditions that cause or contribute to exceedances of applicable DO water quality standards.

These NDC projects and this DO Program Strategy were coordinated with the USFWS. On April 13, 2023, AMAFCA received a final *Release from Monitoring* letter from USFWS for the special conditions from USACE for the NDC Embayment to be filled in and revegetated. This letter is included as an attachment to this program summary.

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, ALBUQUERQUE DISTRICT
4101 JEFFERSON PLAZA NE
ALBUQUERQUE, NM 87109-3435

April 13, 2023

Regulatory Division

SUBJECT: Release from Monitoring (SPA-2015-00147)

Albuquerque Metropolitan Arroyo Flood Control Authority
Attn: Jerry Lovato
2600 Prospect NE
Albuquerque, NM 87107
jlovato@amafca.org

Dear Mr. Lovato:

This letter is in reference to the Albuquerque Metropolitan Arroyo Flood Control Authority's (AMAFCA) North Diversion Channel Embayment Project authorized by Regional General Permit 14-01, Stream Stabilization & Water Quality Improvement Projects, dated November 2, 2015 (Action No. SPA-2015-00147).

Special condition No. 10. of the original authorization required site monitoring to track progress of revegetation performance standards outlined in special condition No.'s 5. and 7. A compliance site inspection conducted by U.S. Army Corps of Engineers (Corps) Regulatory Division staff on September 8, 2022, examined the revegetated areas referenced in special condition No.'s 5. and 7. Following the site inspection, Corps staff concluded the site has met the revegetation performance goals. Therefore, AMAFCA is hereby released from any further vegetation monitoring associated to special condition No.'s 5., 7., & 10. outlined in the original authorization.

Please refer to identification number SPA-2015-00147 in any correspondence concerning this project. If you have any questions, please contact me by email at Daniel.i.Delgado@usace.army.mil, or telephone at (719) 555-9405 ext. 1.

Sincerely,

Daniel Delgado
Regulatory Project Manager

Enclosure

DEPARTMENT OF THE ARMY
ALBUQUERQUE DISTRICT, CORPS OF ENGINEERS
4101 JEFFERSON PLAZA NE
ALBUQUERQUE, NEW MEXICO 87109

REPLY TO ATTENTION OF

November 2, 2015

Regulatory Division

SUBJECT: Regional General Permit (RGP) Verification – Action No. SPA-2015-00147-ABQ, North Diversion Channel Embayment Earthwork and Grade Control Structures

Jerry Lovato
Albuquerque Metropolitan Arroyo Flood Control Authority
2600 Prospect NE
Albuquerque, NM 87107

Dear Mr. Lovato,

The U.S. Army Corps of Engineers received your letter dated April 20, 2015, for the proposed North Diversion Channel (NDC) Embayment Earthwork and Grade Control Structures project located at approximately latitude 35.211174, longitude -106.610300, in Bernalillo County, New Mexico. The work, as described in your letter, will consist of filling the embayment area with approximately 29,130 cubic yards (cy) of clean fill material in order to raise the existing grade, and raising three existing grade control structures by adding approximately 2,380 cy of rock rip-rap on top of each structure. The proposed project would impact approximately 7.92 acres of waters of the U.S. We have assigned Action No. SPA-2015-00147-ABQ to this project. Please reference this number in all future correspondence concerning the project.

Based on the information provided, we have determined that the project is authorized by RGP NM-14-01 for Stream Stabilization & Water Quality Improvement Projects within Urban Ephemeral Channels. A summary of this permit is available on our website at http://www.spa.usace.army.mil/Missions/RegulatoryProgramandPermits/RGP.aspx. Please refer to our website at http://www.spa.usace.army.mil/Missions/RegulatoryProgramandPermits/WaterQualityCertification.aspx for specific information regarding compliance with water quality certification (WQC) requirements. The permittee must ensure that the work complies with the terms and conditions of the permit, including conditions of the Pueblo of Sandia WQC, dated October 23, 2015, and the special conditions listed below.

1. The permittee shall notify the Corps Albuquerque District Office, the U.S. Fish and Wildlife Service (USFWS) New Mexico Ecological Services Field Office, and the Pueblo of Sandia in writing of which construction plan, A, B or C, will be implemented, including the construction start date, 7 days prior to the beginning of ground-disturbing activities.

2. The permittee shall not conduct any activity associated with the authorized project between April 15 and August 15 of any given year.

3. The permittee shall implement erosion control measures for all temporarily disturbed areas, including access and staging areas, to prevent upland erosion into waters of the U.S. prior to commencement of ground-disturbing activities and these measures will be properly maintained by the permittee until temporarily disturbed areas are stabilized. Erosion control measures shall be installed and maintained by the permittee in accordance with the approved Stormwater Pollution Prevention Plan.

4. All temporarily impacted areas located adjacent to waters of the U.S. shall be restored by the permittee to pre-construction conditions, including original contours, vegetation composition and density (excluding invasive species), and drainage patterns. The permittee shall submit photos to the Corps Albuquerque District Office that document the success of restoration efforts within 90 days after restoration is complete.

5. The permittee shall conduct invasive plant species management within all temporarily disturbed areas so that invasive plant species comprise no more than 10 % of total plant species cover. The permittee shall submit photos to the Corps Albuquerque District Office that document the success of invasive plant species management by December 31, 2016.

6. Within 60 days after completion of construction of the authorized project, the permittee shall submit as-built drawings and a description of the work conducted to the Corps Albuquerque District Office. The drawings shall include the following:
   a. The Department of the Army Action Number.
   b. A plan view drawing of the location of the authorized work footprint (as shown in permit drawings) with an overlay of the work as constructed in the same scale. The drawing should show all "earth disturbance," aquatic resource impacts, structures, and the boundaries of any on-site and/or off-site avoidance areas. The drawings shall contain, at a minimum, 5-foot topographic contours of the entire site.
   c. Ground photographs of the completed work. The camera positions and view-angles of the ground photographs shall be identified on a map, aerial photograph, or project drawing.
   d. A description of all deviations between the work as authorized by the permit and the work as constructed. Clearly indicate on the as-built drawings the location of any deviations.

7. The permittee shall ensure that the revegetation area achieves the following performance standards by the timeframe described below and documentation of actual performance shall be included in the annual monitoring reports as described in Special Condition 10:
   a. Description of plant diversity based on densities of species planted in the Bosque Seed Mix equal to at least 80% of baseline by year 3 and measured using a published plant diversity index methodology.
   b. Target percent cover of 80% native species planted in the Bosque Seed Mix in the revegetation area are met for herbaceous strata by year 3 and measured by 10 randomly selected metered transects.

8. This Corps permit does not authorize you, the permittee, to take an endangered species, in particular the Rio Grande Silvery Minnow (*Hybognathus amarus*). In order to legally take a listed species, you must have separate authorization under the Endangered Species Act (ESA) (e.g., a permit under section 10 of the ESA, or a biological opinion (BO) under section 7 of the ESA, with "incidental take" provisions with which you must comply). The enclosed U.S. Fish and Wildlife (USFWS) BO for consultation numbers 02ENNM00-2012-F-0005 and 02ENNM00-2015-F-0363 dated October 14, 2015, contains mandatory terms and conditions to implement the reasonable and prudent measures that are associated with "incidental take" that is also specified in the BO. Your authorization under this Corps permit is conditional upon your compliance with all of the mandatory terms and conditions associated with incidental take of the enclosed BO, which terms and conditions are incorporated by reference in this permit. Failure to comply with the terms and conditions associated with incidental take of the BO, where a take of the listed species occurs, would constitute an unauthorized take, and it would also constitute non-compliance with your Corps permit. The USFWS is the appropriate authority to determine compliance with the terms and conditions of its BO, and with the ESA.

9. Please note that the USFWS BO includes a section of conservation recommendations, included by reference to previous BOs; that, if implemented, would further minimize the potential impacts of the project on federally listed threatened and endangered species. While these recommendations are not conditions of this authorization, we encourage you to include each of these recommendations in this and future projects that may affect the species in question.

10. The permittee shall submit annual site monitoring reports to the Corps Albuquerque District Office by December 31st of each year, beginning in 2015, for a minimum of 3 years or until the Corps has determined that the revegetation performance standards in Special Conditions 5 and 7 have been met. The monitoring reports shall be prepared in accordance with Corps Regulatory Guidance Letter 08-03 (Minimum Monitoring

Requirements for Compensatory Mitigation Projects Involving the Restoration, Establishment, and/or Enhancement of Aquatic Resources) and current Corps Albuquerque District Mitigation Monitoring Guidelines available at http://www.spa.usace.army.mil/Missions/RegulatoryProgramandPermits/Mitigation.aspx. The monitoring reports shall at a minimum include the following:

a. Comparison of pre-construction site conditions to an as-built survey as submitted in accordance with Special Condition 6.
b. Photographs (minimum 5) from fixed photographic monitoring points with a location reference map indicating camera orientation.
c. All data collected to document whether the revegetation site is achieving performance standards described in Special Conditions 5 and 7, and a narrative discussion of progress made toward meeting performance standards.
d. Fish and wildlife observations at the mitigation site.
e. Summary statement regarding the perceived success of the authorized project and any potential problem areas. Suggestions and a timetable for corrections should be included if it is anticipated that project goals may not be met.
f. Results of water quality monitoring conducted in compliance with the National Pollutant Discharge Elimination System Permit NMR4A000 BO (USFWS 2014).
g. Date(s) of field inspection(s).

11. The permittee shall conduct nesting surveys, using a qualified biologist, for southwestern willow flycatchers (*Empidonax trailii*), western yellow-billed cuckoos (*Coccyzus americanus*), and migratory birds protected under the Migratory Bird Treaty Act prior to commencing construction. If active nests for any of these species are found as a result of the nesting survey, the permittee shall notify the Corps Albuquerque District Office and USFWS New Mexico Ecological Services Field Office in writing and shall not begin any activities associated with this project until both agencies have provided approval, in writing, to proceed.

12. In order to prevent unauthorized impacts to waters of the U.S., prior to the commencement of construction, the permittee shall install a barrier (i.e., flagging, temporary fencing, jersey barriers, etc) around areas to be avoided and protected, such as wetlands and riparian areas, in accordance with the proposed project plans submitted with the pre-construction notification dated April 20, 2015, and the Biological Assessment dated June 2015. The permittee shall submit photo documentation of all barrier installation to the Corps Albuquerque District Office within 30 days of such installation.

Our review of this project also addressed its effects on threatened and endangered species and historic properties in accordance with general conditions 8 and 9. Based on the information provided, we have determined that this project will not affect the New Mexico meadow jumping mouse (*Zapus hudsonius luteus*), or designated critical habitat for Rio Grande Silvery Minnow, southwestern willow flycatcher and proposed critical habitat for western yellow-billed cuckoo. We have determined that this project "may affect, but not likely to adversely affect" southwestern willow flycatcher and western yellow-billed cuckoo. We also determined that this project "may affect, likely to adversely affect" the Rio Grande Silvery Minnow. The Corps completed formal consultation with USFWS under the Endangered Species Act, Sec. 7 for affects to federally-listed species on October 14, 2015. We have determined that this project will result in no potential to effect historic properties based on the scope and location of the proposed work and the results of previous cultural resource surveys conducted within and adjacent to the project area, and in consultation with the Pueblo of Sandia. However, please note that the permittee is responsible for meeting the requirements of general condition 8 on endangered species and general condition 9 on historic properties.

This letter does not constitute approval of the project design features, nor does it imply that the construction is adequate for its intended purpose. This permit does not authorize any injury to property or invasion of rights or any infringement of federal, state or local laws or regulations. The permittee and/or any contractors acting on behalf of the permittee must possess the authority and any other approvals required by law, including property rights, in order to undertake the proposed work.

This permit verification is valid until March 26, 2019, unless the RGP is modified, suspended, revoked or reissued prior to that date. Continued confirmation that an activity complies with the terms and conditions, and any changes to the RGP, is the responsibility of the permittee. Activities that have commenced, or are under contract to commence, in reliance on a RGP will remain authorized provided the activity is completed within 12 months of the date of the RGP's expiration, modification, or revocation.

Within 30 days of project completion, the permittee must fill out the enclosed Certification of Compliance form and return it to our office. The landowner must allow Corps representatives to inspect the authorized activity at any time deemed necessary to ensure that it is being, or has been, accomplished in accordance with the terms and conditions of the RGP.

If you have any questions, please contact me at 505-342-3216 or by e-mail at Kelly.E.Allen@usace.army.mil. At your convenience, please complete a Customer Service Survey on-line available at http://corpsmapu.usace.army.mil/cm_apex/f?p=regulatory_survey.

Sincerely,

Kelly E. Allen
Regulatory Project Manager

Enclosure(s)

Copy Furnished:

Scott Bulgrin, Pueblo of Sandia
Joel Lusk, USFWS
Kurt Wagner, AMAFCA

Summary of AMAFCA's MS4 Temperature Program FY 2025 (July 1, 2024 – June 30, 2025)

NPDES Permit No. NMR04A000

Part I.C.1.f - Special Conditions, Compliance with Water Quality Standards

AMAFCA monitors and evaluates the potential effect of stormwater discharges related to temperature in the Rio Grande. AMAFCA and the original Municipal Separate Storm Sewer System (MS4) co-permittees (the City of Albuquerque, New Mexico Department of Transportation, and the University of New Mexico) assembled and analyzed temperature data from 1982 to 2012. This data analysis proved the assertion that the receiving waters of the Rio Grande are not adversely affected by the temperature of stormwater from the Albuquerque MS4. This data was presented in an initial report that was submitted to EPA on May 1, 2012.

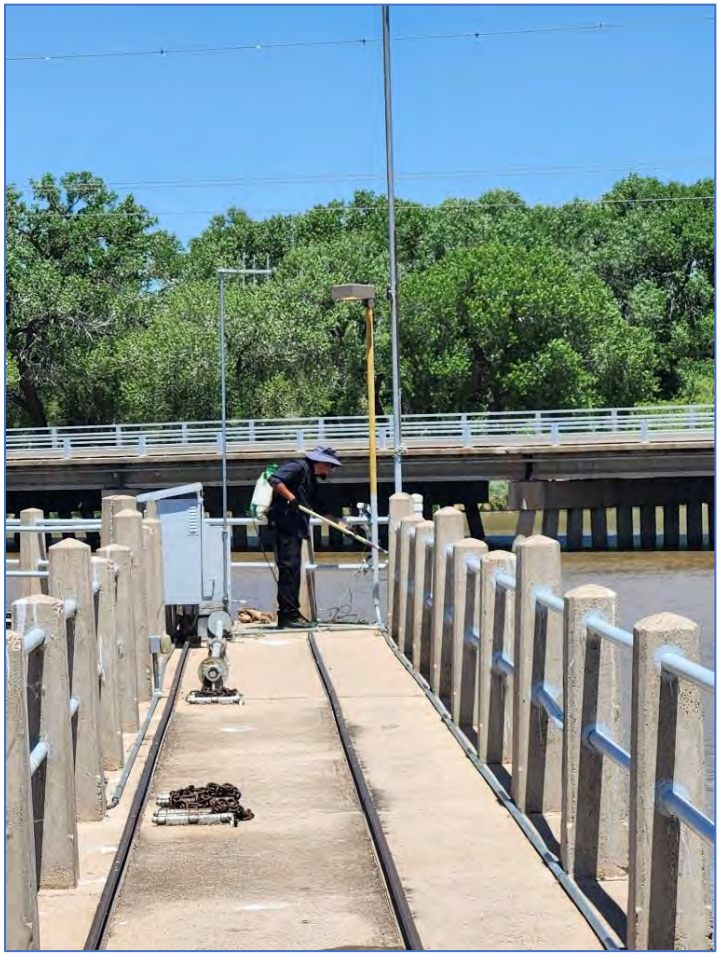
Since 2012, the MS4 permittees have continued to collect and submit temperature data, with each Annual Report, showing that the Rio Grande (receiving water for the Middle Rio Grande watershed) is not adversely affected by the temperature of stormwater from the Albuquerque MS4. AMAFCA has collected data from 2012 to 2025 using tidbit probes and sondes. In accordance with AMAFCA's Stormwater Management Program (SWMP), AMAFCA has and will continue to assess the potential effect of stormwater discharges into the Rio Grande by collecting and evaluating additional temperature data.

In FY 2025, AMAFCA continued to follow the updated quality assurance project plan (QAPP), the field sampling plan (FSP), and related Standard Operating Procedures (SOPs) for AMAFCA's stormwater quality monitoring program. The format and contents of these documents are modeled after the New Mexico Environment Department (NMED) Surface Water Quality Bureau (SWQB) water quality management programs to facilitate sharing of data between the agencies. These documents provide a framework and detailed methods for the collection and analysis of environmental data as well as provide guidance for generating data that is of the precision, accuracy, and completeness necessary for AMAFCA's program.

AMAFCA MS4 Sonde Program Summary

The purpose of AMAFCA's Sonde Monitoring Program is to obtain surface water quality data within the Rio Grande to support AMAFCA and the cooperative MS4 agencies with the assessment of surface water quality parameters, as required by the Endangered Species Act requirements incorporated into the MS4 Permit. In addition, the sonde monitoring program data supports determination of long-term surface water quality trends, related to stormwater impacts and impairments, within the Middle Rio Grande. The sondes monitor temperature, barometric pressure, pH, turbidity, dissolved oxygen (DO), DO saturation (%), and water depth above each sonde. AMAFCA has improved the Sonde Program through the years with current access to real-time online data using the HydroVu data management application, allowing quicker response and solutions to maintenance issues.

From the AMAFCA FY 2025 In-Stream Water Quality Monitoring Memos, which report on the AMAFCA sonde data, the temperature was below the water quality standard 32.2℃, which is the maximum temperature water quality standard for Marginal Warmwater Aquatic for the Rio Grande (NMAC 20.6.4) for all recorded sonde data.





Photos of AMAFCA Sondes

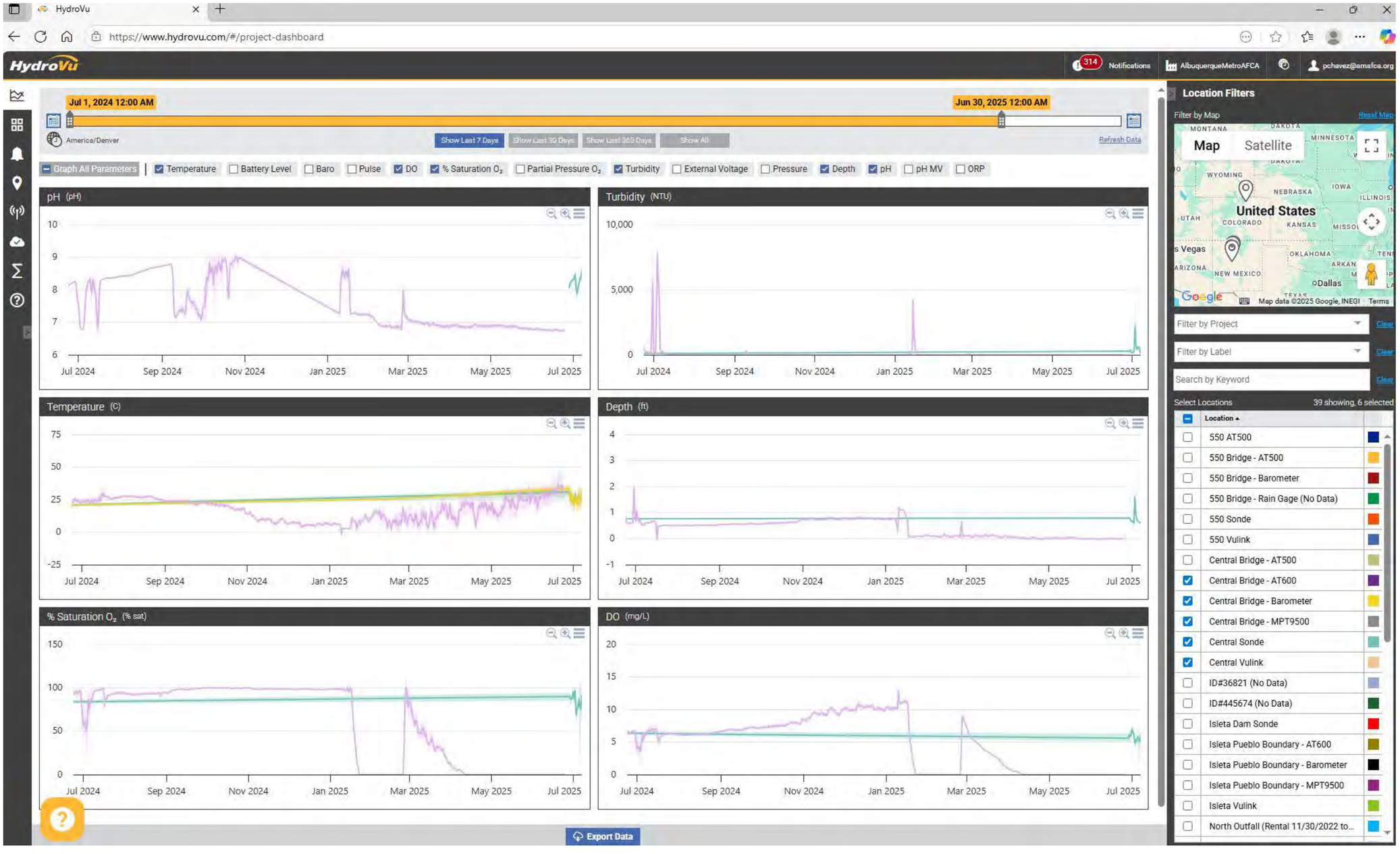
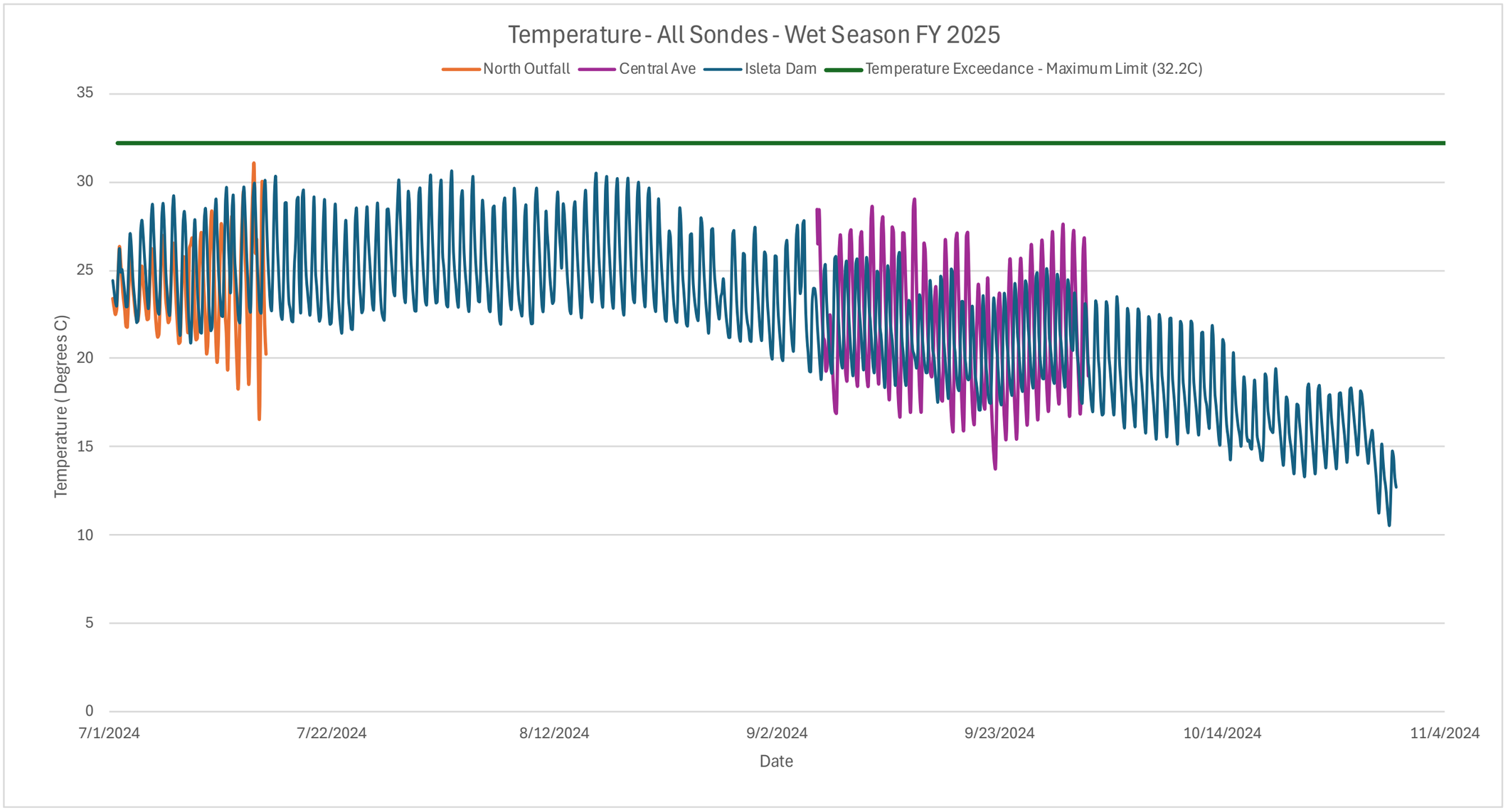
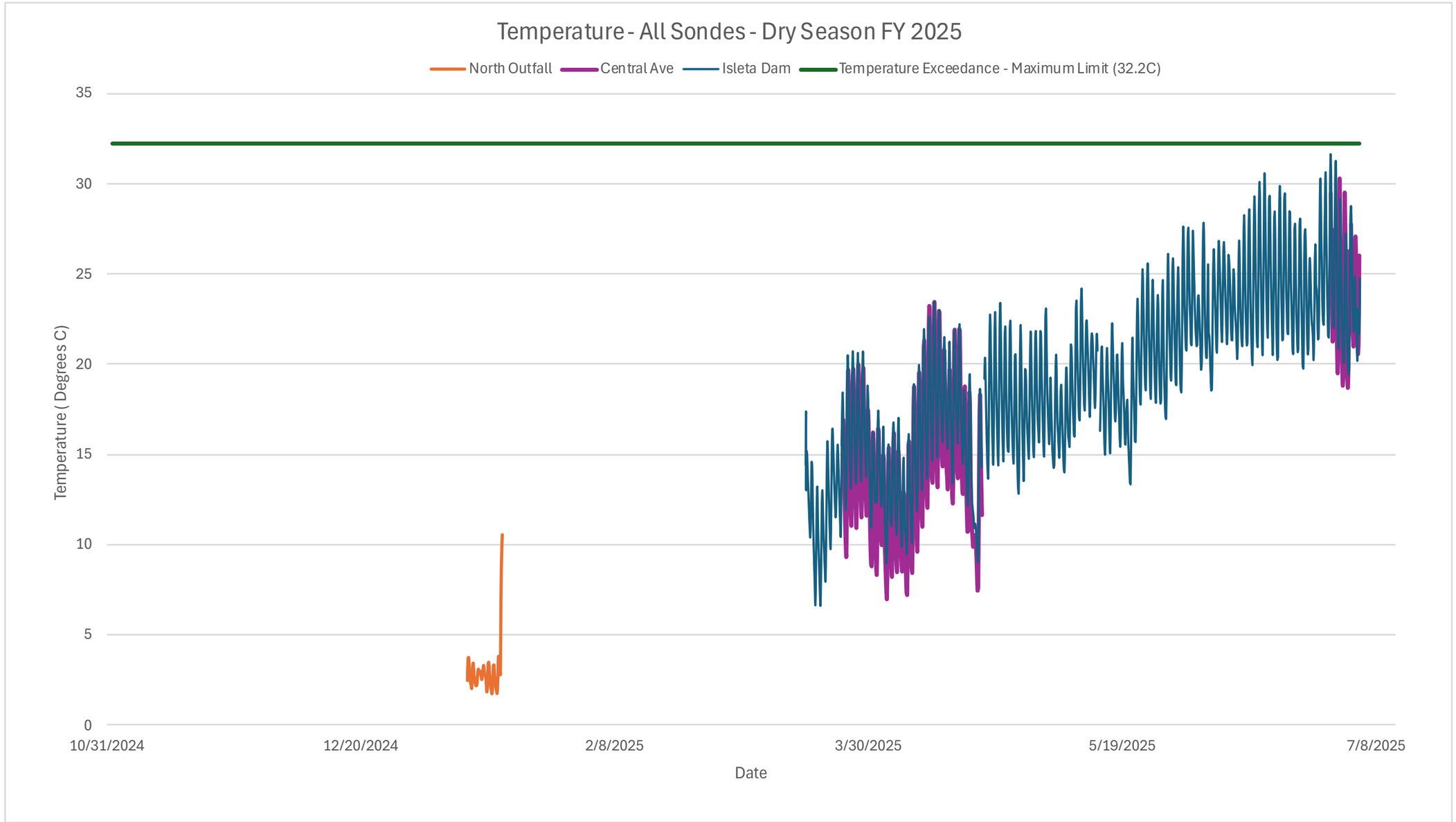


Image of Online HydroVu Portal View.

HydroVu Provides AMAFCA with Access to Real-Time Sonde Data in the Rio Grande.



Plot of Temperature Data Collected from Sondes Deployed During FY 2025 Wet Season



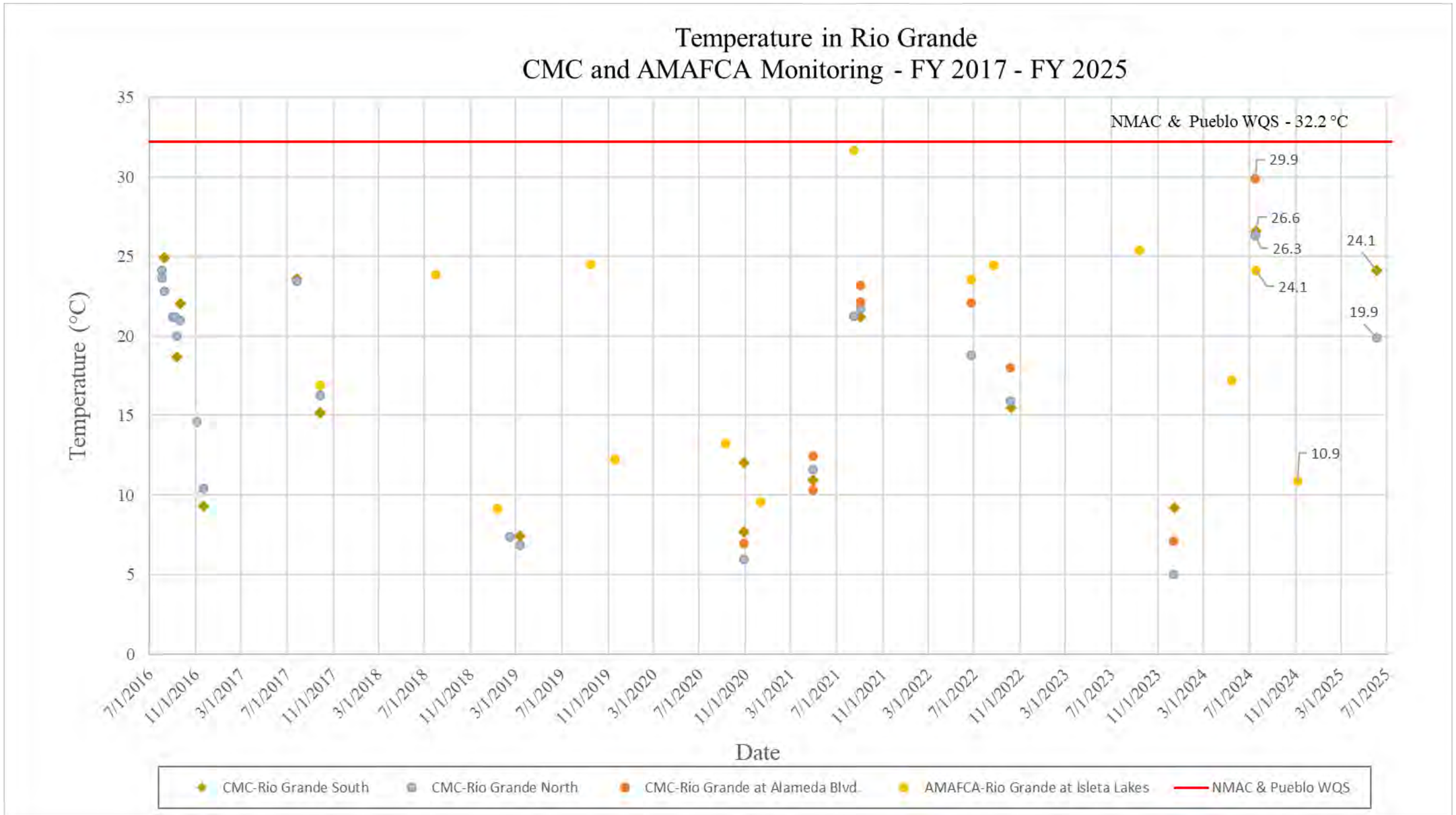
Plot of Temperature Data Collected from Sondes Deployed During FY 2025 Dry Season

CMC and AMAFCA Water Quality Monitoring Program Summary

In addition to the Sonde Program, both AMAFCA and the Middle Rio Grande Compliance Monitoring Cooperative (CMC) collect grab samples within the Rio Grande during storm events. Field data is measured, including temperature, for these samples. For MS4 Permit compliance, the Middle Rio Grande CMC has three (3) monitoring points, north and south of the urbanized portion of the river, as well as at the Alameda Bridge. The AMAFCA Monitoring Program collects samples in the Rio Grande at the downstream (south) end of the watershed (Rio Grande at Isleta Lakes). The graph on page 8 shows the temperature data from all AMAFCA and CMC samples collected from July 2016 through FY 2025. None of the field temperature data collected from these programs have recorded temperature in the Rio Grande during stormwater discharge events above the water quality standard of 32.2℃.



Collecting a CMC sample from the Rio Grande at Angostura Diversion at the upstream (north) end of the Middle Rio Grande Watershed



Plot of Temperature Data Collected from Grab Samples in the Rio Grande Through the AMAFCA and CMC Monitoring Programs

Summary of AMAFCA's MS4 Discharges to Water Quality Impaired Water Bodies with an Approved TMDL Program FY 2025 (July 1, 2024 – June 30, 2025)

NPDES Permit No. NMR04A000

Part I.C.2.b.(i) - Special Conditions, Compliance with Water Quality Standards

Total Maximum Daily Load (TMDL) – E. coli

A Total Maximum Daily Load (TMDL) is the regulatory calculation of the maximum amount of a particular pollutant allowed to enter a water body (like the Rio Grande) so that the water body will continue to meet water quality standards for that particular pollutant. A TMDL can also determine a pollutant reduction target and allocates load reductions necessary to the source(s) of the pollutant.

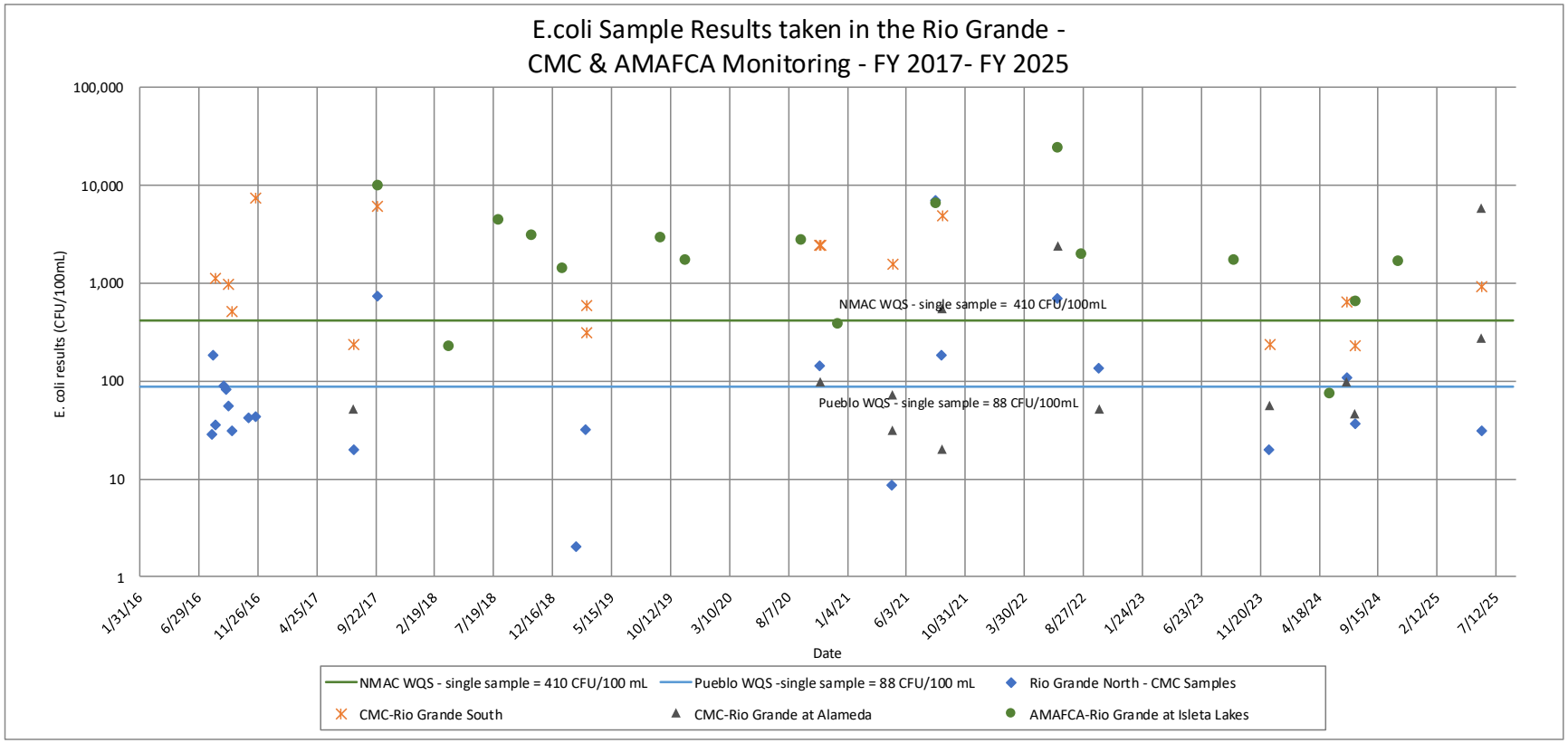
The only TMDL in the Middle Rio Grande (MRG) is Escherichia coliform (E. coli). AMAFCA's required compliance for wet weather stormwater discharges with the Environmental Protection Agency's (EPA) TMDL for E. coli is documented in the Clean Water Act (CWA) 303(d)/305(b) Integrated Report (IR). The IR is updated every 3 years by a review process that is conducted by the New Mexico Environment Department (NMED). For AMAFCA and other Municipal Separate Storm Sewer System (MS4) permittees in the watershed, compliance sampling is done in the Rio Grande at upstream and downstream locations of the urbanized area to determine the collective E. coli load added to the river in response to a given storm's runoff to the water body. This monitoring is done through the Compliance Monitoring Cooperative (CMC), and the FY 2025 Dry Season, Wet Weather Stormwater Monitoring memo is included as an attachment to this Program Summary.

AMAFCA and other MS4s covered under the MS4 Permit are required to comply with water quality standards that are comprised of designated uses for surface waters of the state, associated water quality criteria necessary to protect these uses, and an antidegradation policy. Designated uses in the MRG include aquatic life, fish culture, primary and secondary contact (including cultural, religious, or ceremonial purposes), public water supply, industrial water supply, domestic water supply, irrigation, livestock watering, and wildlife habitat. AMAFCA's stormwater discharges protect these uses and fulfill the requirements set forth in the MS4 Permit. Coordinated water quality sample collection programs through AMAFCA, the Stormwater Quality Team, and the CMC have been developed and annually funded to monitor, assess, protect, and restore surface water quality to the MRG watershed.

CMC and AMAFCA Water Quality Monitoring Program for E. coli

Both AMAFCA and the MRG CMC collect grab samples within the Rio Grande during storm events. E. coli is tested for these in-stream samples. For MS4 Permit compliance, the MRG CMC has three monitoring points, north and south of the urbanized portion of the river as well as at the Alameda Bridge. The AMAFCA monitoring program collects samples in the Rio Grande at the downstream (south) end of the watershed (Rio Grande at Isleta Lakes). The graph on page 3 shows the E. coli data from all AMAFCA and CMC samples collected from FY 2017 – FY 2025. Note, there are numerous E. coli results that exceed the applicable surface water quality standards.

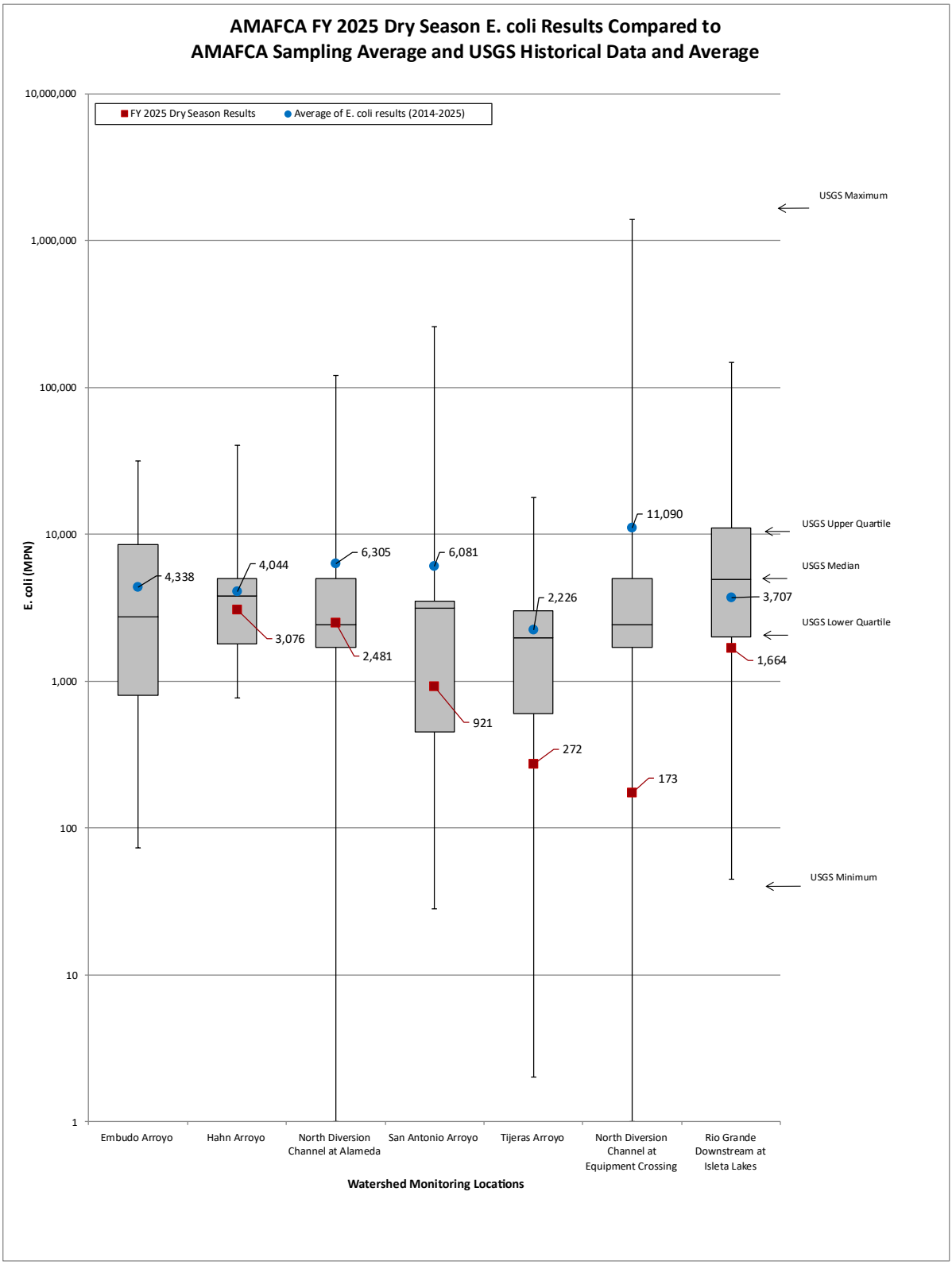
In FY 2025, the CMC collected samples within the Rio Grande on July 17-19, 2024, and June 4-5, 2025, related to the wet and dry season storm events, respectively. Details and results are summarized in the CMC memos included as attachments to this Program Summary.



Plot of E. coli Results from Grab Samples in the Rio Grande Through the AMAFCA and CMC Monitoring Programs

<u>AMAFCA Water Quality Monitoring Program for E. coli</u>

The AMAFCA monitoring program also collects and analyzes stormwater runoff from monitoring sites within the watershed, before it reaches the Rio Grande. The results from 2014 – 2025 compared to USGS historical results (maximum, minimum, median, and upper and lower quartile) are shown on page 4. A map showing E. coli data results throughout the North Diversion Watershed from AMAFCA's Water Quality Monitoring Program from FY 2014 through FY 2025 is provided on page 5.



AMAFCA Monitoring Program E. coli Results Within the Watershed (Not Including Samples in the Rio Grande) Compared to AMAFCA Sampling Average and Historical USGS E. coli Data

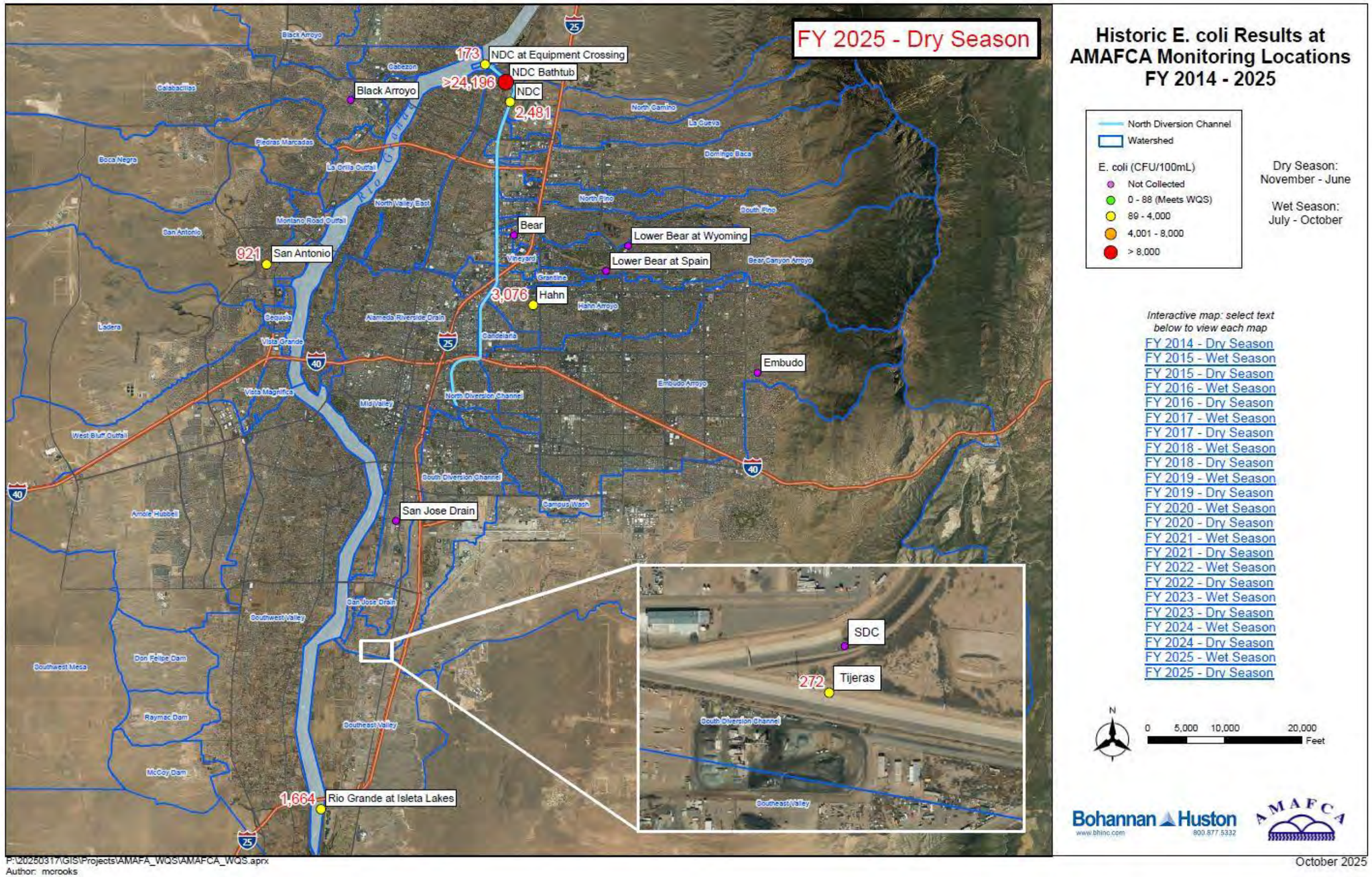


Figure showing E. coli Data Within the North Diversion Watershed
From AMAFCA's Water Quality Monitoring Program from FY 2014 Through FY 2025.
This is an interactive pdf in the monitoring memos, allowing the user to see the results of prior monitoring seasons.

In FY 2025, AMAFCA continued to follow the recently updated quality assurance project plan (QAPP), the field sampling plan (FSP), and related Standard Operating Procedures (SOPs) for AMAFCA's stormwater quality monitoring program. The format and contents of these documents are modeled after the NMED Surface Water Quality Bureau (SWQB) water quality management programs to facilitate sharing of data between the agencies. These documents provide a framework and detailed methods for the collection and analysis of environmental data as well as provide guidance for generating data that is of the precision, accuracy, and completeness necessary for AMAFCA's program.



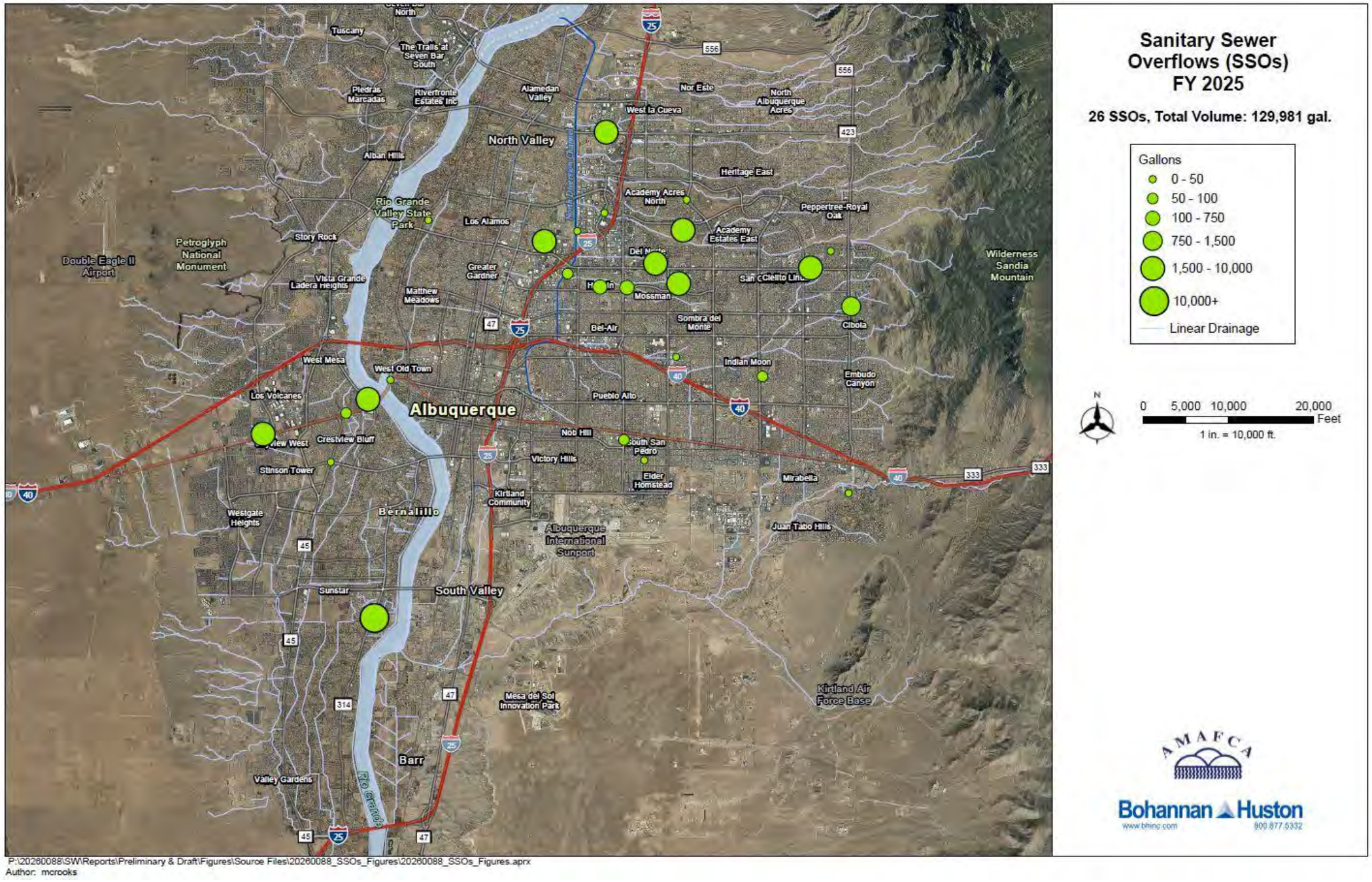




Photos of AMAFCA Autosamplers Used for the AMAFCA Monitoring Program

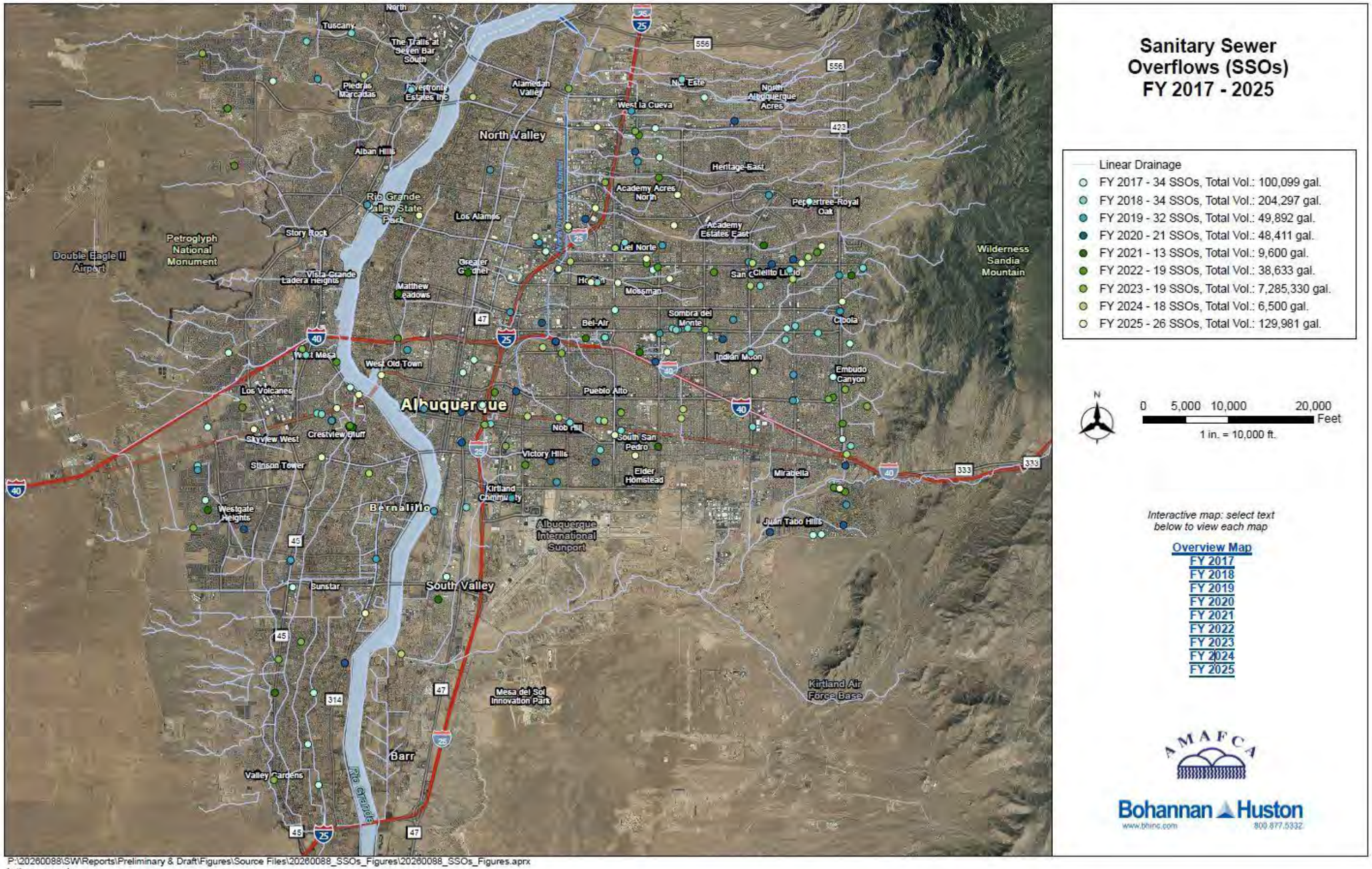
Sanitary Sewer Systems

AMAFCA continues to monitor Illicit Discharges and Improper Disposal Control Measures. AMAFCA continues to coordinate with the Albuquerque Bernalillo County Water Utility Authority (ABCWUA), who informs AMAFCA of any Sanitary Sewer Overflows (SSOs) that potentially impacts AMAFCA facilities. AMAFCA receives monthly Discharge Monitoring Reports (DMRs) that are evaluated to ensure an SSO did not adversely impact AMAFCA facilities. AMAFCA adds the monthly SSO DMR data to GIS to assess the impacts to AMAFCA facilities. The figure on page 7 shows the FY 2025 SSOs; no evidence of adverse health/environmental impacts from SSOs were documented impacting AMAFCA facilities in the FY 2025 SSO DMRs. The figure on page 8 shows an image of the interactive pdf map documenting FY 2017 through FY 2025 SSOs.



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Author: mcrooks

Figure Showing FY 2025 SSOs Data Within the City of Albuquerque from ABCWUA Discharge Monitoring Reports for SSOs

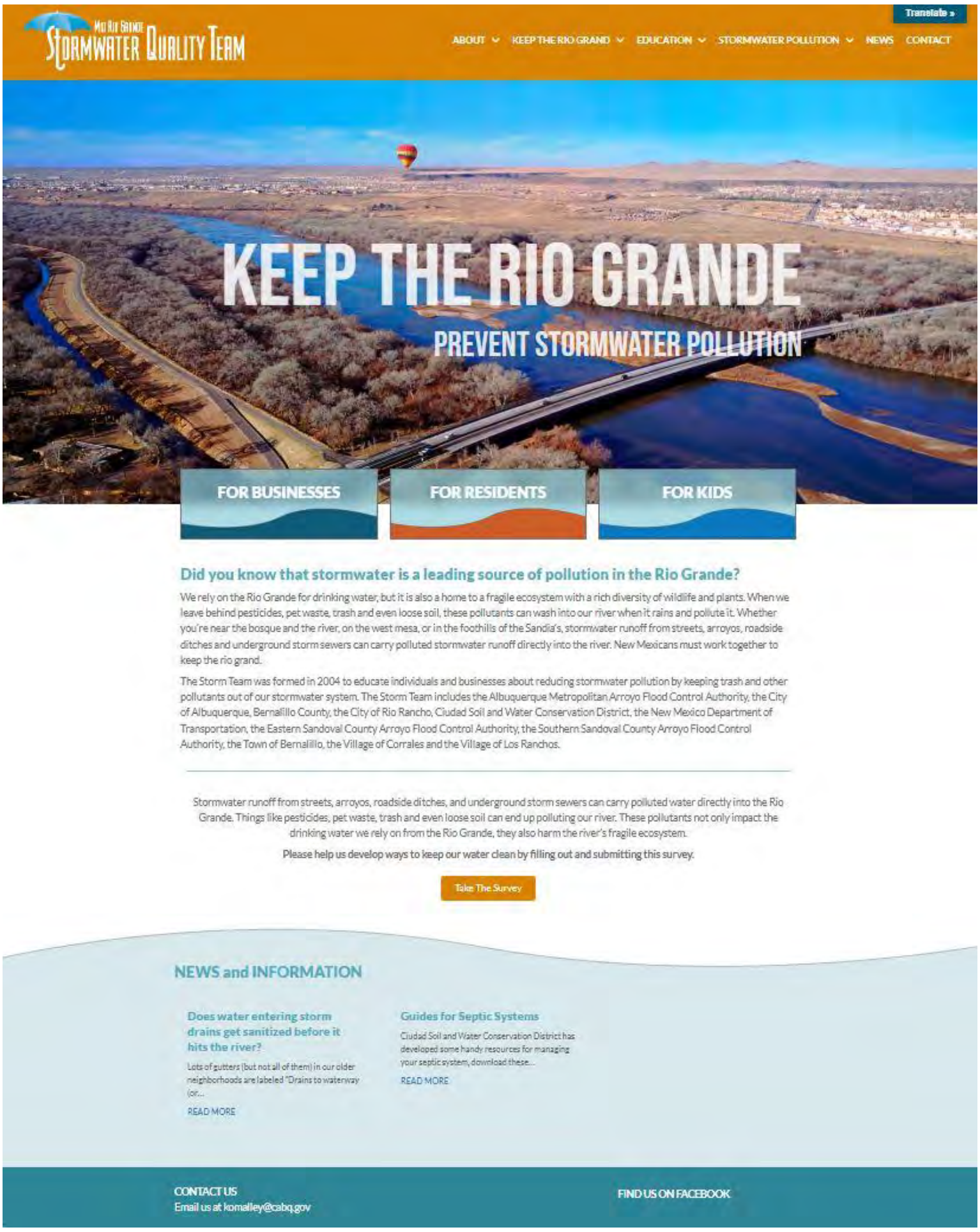


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Author: morooks

Figure showing SSOs Historical Data Within the City of Albuquerque from ABCWUA Discharge Monitoring Reports for SSOs
This is provided to AMAFCA as an interactive pdf, allowing the user to see the results of prior Discharge Monitoring Reports.

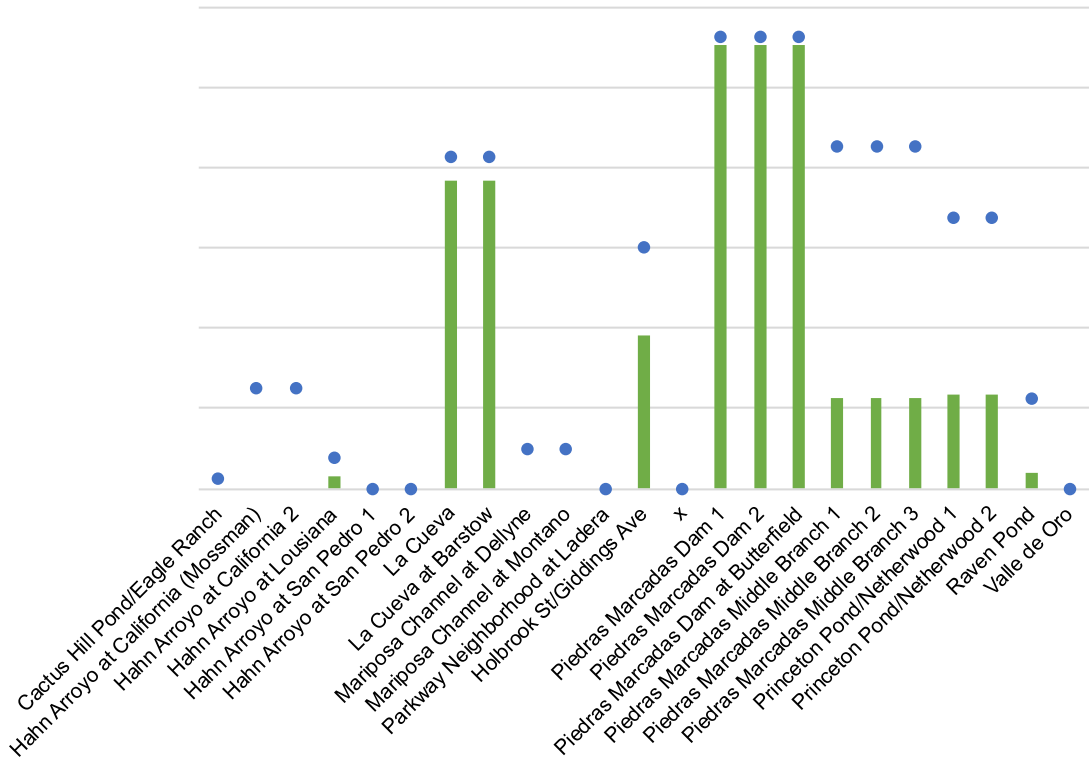
Public Education and Outreach Program

The previous sections of the program summary focus on the monitoring and data collection related to understanding E. coli within the Rio Grande and contributions from the watershed. Non-point source load reduction actions, like those taken by AMAFCA, the Mid Rio Grande Storm Water Quality Team (MRGSQT), and others, are implemented through a wide variety of programs at the state, local and federal level. AMAFCA is a member of the MRGSQT, which has grown to 12 organizations, who leverage their resources to ensure MS4 Permit public education and outreach requirements are met with the goal of preventing and reducing stormwater pollution throughout the watershed from reaching the Rio Grande. These programs may be regulatory, non-regulatory, or incentive-based like a cost-share program. In addition, waterbody restoration can be assisted by voluntary actions on the part of citizen and/or environmental groups. Public education, outreach, involvement, and participation efforts have also been undertaken at the watershed level in the MRG to address the reduction of non-point source loads for the bacterial TMDL (E. coli) and various impairments on New Mexico's 303(d) list. Additional information is available at www.keeptheriogrand.org (see image below).



Mid Rio Grande Stormwater Quality Team Website

In addition, AMAFCA has a Mutt Mitt station program to reduce pet waste and increase public awareness, with the goal of reducing E. coli within the watershed. The Mutt Mitt program information through September 2025 is summarized below.



Total # of Mutt Mitt Bags Given 2016-2025:	*645,000*
Total # of Liner Bags Given 2016- 2025:	*10,550*
# of Mutt Mitt Bags Given During FY 2025:	*41,000*
# of Liner Bags Given During FY 2025:	*475*
Est. Pounds of Dog Waste Collected FY 2025:	*9,020*

Summary of the AMAFCA Mutt Mitt Stations Available Throughout the Watershed to Promote Pet Waste Collection and Proper Disposal

Bohannan Huston
great people supporting great communities

7500 Jefferson Street NE
Albuquerque, NM 87109
505.823.1000
bhinc.com

MEMORANDUM

DATE: 4/10/2025

TO Patrick Chavez, AMAFCA

FROM: Sarah Ganley, PE, ENV-SP
Savannah Maynard

SUBJECT: **CMC Wet Season, Wet Weather Stormwater Monitoring**
Data Verification, Analysis Results Database, and Reporting Memo
FY 2025 Wet Season (July 1, 2024 to October 31, 2024)

NOTIFICATION OF IN-STREAM WATER QUALITY EXCEEDANCES

For downstream notification purposes, the following parameters for in-stream samples taken from the Rio Grande in July 2024 for the fiscal year (FY) 2025 wet season had results that exceeded applicable water quality standards (WQSs) for one (1) sample of E. coli and two (2) samples of polychlorinated biphenyls (PCBs). Table 1 summarizes the samples and the applicable WQSs that were exceeded. Additional details on the sample results shown in Table 1 are provided in this memo.

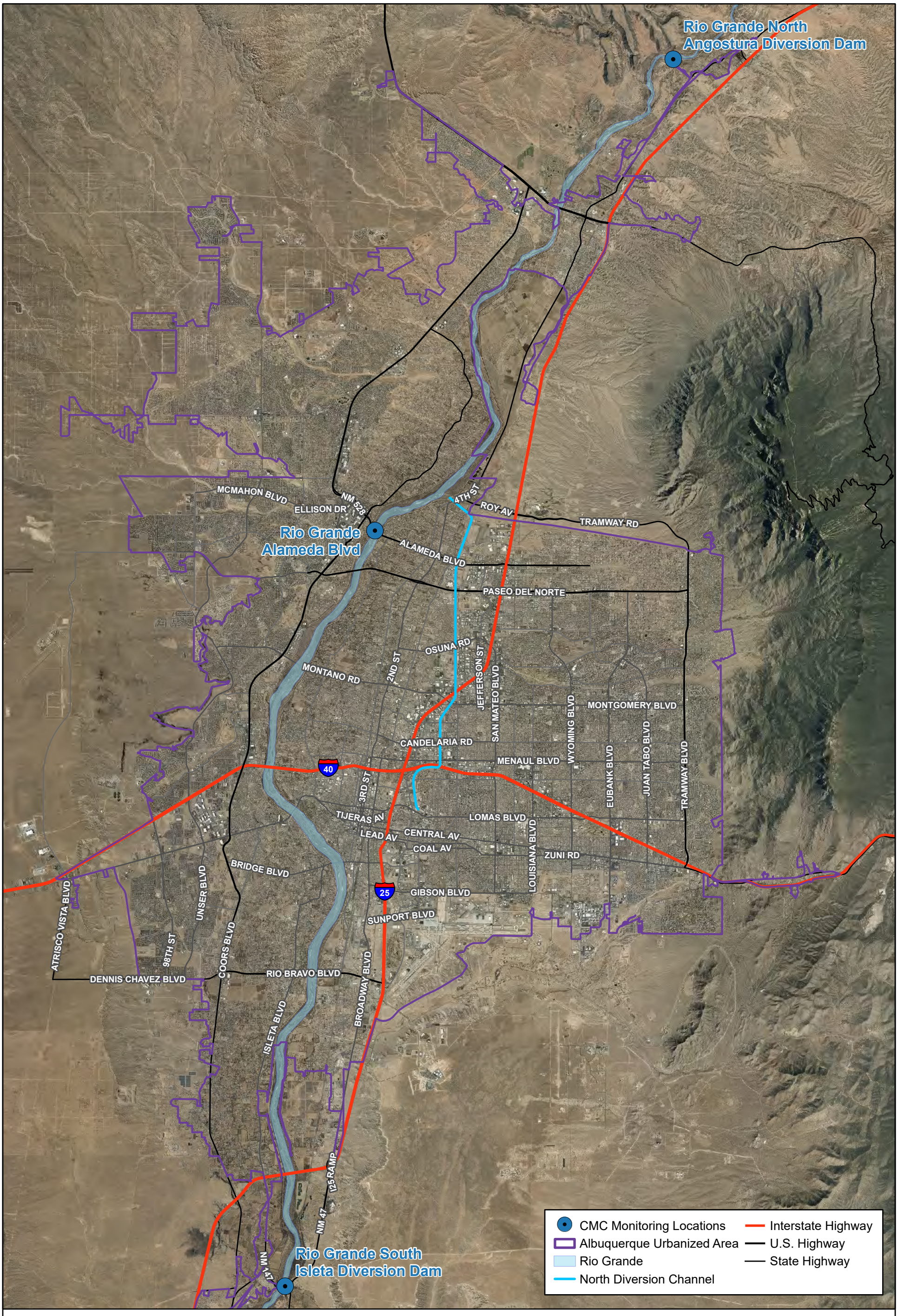
Table 1: Parameters Detected Above Applicable Water Quality Standards
CMC FY 2025 Wet Season Monitoring

Sampling Date Location	Parameters, Applicable Water Quality Standard (WQS), and Results Exceeding Applicable WQS	
	E. coli	**PCBs**
	WQS: 88 MPN (CFU/100 mL) Pueblo of Isleta Primary Contact Ceremonial & Recreational	**WQS: 0.00017 ug/L** Pueblo of Isleta Human Health Criteria (based on fish consumption only)
7/17/2024 Rio Grande North Angostura	No Exceedance	Exceeded 0.0008419 ug/L
7/17/2024 Rio Grande at Alameda	No Exceedance	Not Tested
7/19/2024 Rio Grande South Isleta Dam	Exceeded 228 MPN (CFU/100 mL)	Exceeded 0.0001843 ug/L

OVERVIEW OF STORMWATER MONITORING ACTIVITY

Bohannan Huston, Inc. (BHI) has been tasked to perform water quality services for the Compliance Monitoring Cooperative (CMC) Stormwater Data Verification, Database, and Reporting for the Wet Season, Wet Weather Stormwater Quality Monitoring Program for FY 2025 (July 1, 2024 to October 31, 2024). The scope of work for this task includes data verification of the stormwater laboratory analysis results, compiling the analysis results into a database, and calculating the E. coli loading to compare with the Waste Load Allocation (WLA) for qualifying storm events. The stormwater compliance monitoring was conducted separately by Daniel B. Stephens & Associates, Inc. (DBS&A) and is not a part of this BHI task. This task is being conducted to assist the CMC members with their comprehensive monitoring and assessment program for compliance under the 2014 Middle Rio Grande (MRG) Watershed Based (WSB) Municipal Separate Storm Sewer System (MS4) Permit, NPDES Permit No. NMR04A000 ("WSB MS4 Permit").

The WSB MS4 Permit entered Administrative Continuance in December 2019, when U.S. Environmental Protection Agency (EPA) Region 6 did not issue a new MS4 Permit before the WSB MS4 Permit expiration date. The MRG Technical Advisory Group (TAG) sent EPA a letter, dated October 15, 2019, acknowledging Administrative Continuance after the expiration date of the 5-year WSB MS4 Permit term. Until a new WSB MS4 Permit is issued, there are no compliance monitoring requirements for the CMC in the Rio Grande. As identified in the WSB MS4 CMC Monitoring Plan, the WSB MS4 Permit required sampling of a minimum of seven (7) storm events at both the Rio Grande North and Rio Grande South locations (refer to Figure 1, page 3). All WSB MS4 Permit required samples have been obtained by the CMC, as well as two (2) samples obtained in FY 2021, one (1) sample obtained during the FY 2022 wet season, one (1) sample obtained during the FY 2023 wet season, two (2) samples obtained in FY 2024, and one (1) sample obtained during the FY 2025 wet season during Administrative Continuance; all 14 CMC samples are summarized in Table 2 below.



AMAFCA

Bohannan Huston
www.bhinc.com
800.877.5332

N

0 6,250 12,500 25,000 Feet

1 inch = 12,500 feet

CMC Monitoring

Figure 1
Monitoring Locations

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Author: mcrooks

April 2025

Table 2: CMC Sample Summary
Compared to WSB MS4 Permit Requirements

Storm Events Required by WSB MS4 Permit	CMC-WSB MS4 Permit Required Samples per Season	FY (Date) Samples Obtained for CMC
1	#1 Wet Season	FY 2017 (8/10/2016)
2	#2 Wet Season	FY 2017 (9/12/2016)
3	#3 Wet Season	FY 2017 (9/21/2016)
4	#1 Dry Season	FY 2017 (11/21/2016)
5	#2 Dry Season	FY 2019 (3/13/2019)
6	Any Season	FY 2018 (Wet Season - 7/27/2017)
7	Any Season	FY 2018 (Wet Season - 9/27/2017)
Not Required	Wet Season	FY 2021 (10/28/2020)
Not Required	Dry Season	FY 2021 (4/28/2021)
Not Required	Wet Season	FY 2022 (9/1/2021)
Not Required	Wet Season	FY 2023 (10/5/2022)
Not Required	Dry Season	FY 2024 (12/14/2023)
Not Required	Dry Season	FY 2024 (6/26/2024)
Not Required	Wet Season	FY 2025 (7/19/2024)

During the WSB MS4 Permit Administrative Continuance, the CMC members have chosen to continue sampling within the Rio Grande to support their MS4 program needs and gather additional data in support of the future WSB MS4 Permit compliance. This memo reports on the wet weather stormwater monitoring activity for the FY 2025 wet season (July 1, 2024 to October 31, 2024).

The CMC Excel database was updated with the FY 2025 wet season monitoring data as results were received. The database contains sample location, sample date, analyses conducted, methods used, applicable surface WQSs, WSB MS4 Permit required Minimum Qualification Levels (MQLs) and results.

SUMMARY OF THE CMC SAMPLING PLAN

Sampling Parameters:

The samples from the Rio Grande North and Rio Grande South monitoring locations were analyzed for the parameters defined in the EPA approved WSB MS4 CMC Monitoring Plan, May 5, 2016. The parameter list for both locations, which is intended to characterize stormwater discharges into the river, is as follows:

Total Suspended Solids (TSS)
Total Dissolved Solids (TDS)
Chemical Oxygen Demand (COD)
Biological Oxygen Demand – 5-day (BOD_5)
Dissolved Oxygen (DO)
Oil & grease (N-Hexane Extractable Material)
E. coli
pH
Total Kjeldahl Nitrogen (TKN)
Nitrate plus Nitrite
Dissolved Phosphorus
Ammonia as Nitrogen
Nitrogen (Total Nitrogen)
Phosphorous (Total Phosphorous)
Polychlorinated Biphenyls (PCBs - Method 1668A)
Gross Alpha, adjusted
Tetrahydrofuran
Benzo(a)pyrene
Benzo(b)fluoranthene (3, 4 Benzofluoranthene)
Benzo(k)fluoranthene
Chrysene
lndeno (1 ,2,3-cd) Pyrene
Dieldrin
Pentachlorophenol
Benzidine
Benzo(a)anthracene
Dibenzofuran
Dibenzo(a, h)anthracene
Chromium VI (Hexavalent)
Dissolved Copper
Dissolved Lead
Bis (2-ethylhexyl) phthalate
Conductivity
Temperature
Hardness (as $CaCO_3$)
Per-and polyfluoroalkyl substances, known as PFAS

Hardness (as $CaCO_3$) was added to the parameter list to allow dissolved metal results to be compared to the applicable WQSs. Per the WSB MS4 Permit, DO, pH, conductivity, and temperature are required to be analyzed in the field within 15 minutes of sample collection, which was conducted by DBS&A. All E. coli samples were submitted to the laboratory within 8 hours of collection in order to meet the specified hold time. Testing for PFAS was added to the parameter list by the CMC in 2024, and the July 2024 Rio Grande North and South samples included PFAS testing.

Sampling Locations:

The sampling locations are shown in Figure 1, page 3.

Rio Grande North – In-stream sampling within the Rio Grande was performed upstream of the Angostura Diversion Dam at the north end of the watershed. The location is upstream of all inputs from the Urbanized Area (UA) to the river and provides the background water conditions.

Rio Grande South – In-stream sampling within the Rio Grande was performed at the Isleta Bridge at the south end of the watershed. The location is downstream of all inputs from the UA to the river and provides the downstream water conditions. These locations have been accepted by EPA and the New Mexico Environment Department (NMED) to meet the WSB MS4 Permit requirements in Part III.A.

During this FY 2025 wet season, one (1) E. coli sample was collected within the Rio Grande at Alameda Blvd. This is the location of the NMED defined stream segment divide (refer to Figure 6). This sample point was added after discussion with NMED regarding potential refinements to E. coli loading calculations in February 2017.

Sample Collection:

As mentioned previously, sample collection for the CMC was conducted by DBS&A (through a separate on-call contract). Since BHI was not involved in the sample collection, this task and memo do not address the details of the methodologies regarding sampling, determining if an event was a qualifying storm event, or determining the timing of the hydrograph at the Rio Grande Alameda and Rio Grande South locations.

DBS&A provided their field notes and field sample data (temperature, DO, specific conductivity, and pH) to BHI for the FY 2025 wet season sampling. AMAFCA provided BHI the completed laboratory analysis reports from Eurofins Environment Testing for this monitoring season.

Quality Assurance Project Plan (QAPP):

AMAFCA provided BHI with the *Draft Quality Assurance Project Plan* [QAPP] for the CMC, dated June 14, 2016. DBS&A followed this QAPP during sample collection for the July 2024 samples. BHI used this QAPP and the included standard operating procedures (SOPs) for data verification and validation.

MONITORING ACTIVITY & LAB ANALYSIS SUMMARY

The list below provides a summary of the CMC comprehensive monitoring program activities completed for the FY 2025 wet season from July 2024 through October 2024. One (1) qualifying storm event was sampled and analyzed during the FY 2025 wet season.

- **July 17 - 19, 2024 – Qualifying Storm Event.** Samples were collected July 17, 2024, at the Rio Grande North and Alameda Blvd. locations beginning at 12:30 p.m. and 2:00 p.m., respectively. These samples were sent to the laboratory for E. coli testing. The CMC determined that the storm event beginning July 17, 2024 was a qualifying storm event. A Rio Grande South Sample was collected at 11:45 a.m. on July 19, 2024. The samples from the Rio Grande North (collected July 17) and Rio Grande South (collected July 19) were taken to Eurofins Environment Testing for full parameter testing.

STORMWATER QUALITY DATABASE FOR CMC

As stated previously, there was one (1) qualifying storm event during the FY 2025 wet season, wet weather monitoring sampled by the CMC, which occurred July 17, 2024 through July 19, 2024. DBS&A's field notes containing DO, pH, conductivity, and temperature measurements, as well as sampling comments have been received, and field results have been added to the database. Additionally, the Eurofins Environment Testing reports for the corresponding time period have been received, added to the database, and are provided with this memo (Attachment 1). The laboratory reports attached to this memo have BHI added comments, including the field parameter measurements and other relevant notes related to the laboratory reports.

Database Data Entry:

The CMC Excel database was updated with the FY 2025 wet season, wet weather monitoring data. The database contains sample locations, sample date, analyses conducted, methods used, applicable surface WQSs, WSB MS4 Permit required MQLs, and analysis results. The database was updated under this task to include the Rio Grande at Alameda sample location. Applicable surface WQSs found in New Mexico Administrative Code (NMAC) 20.6.4, as well as the Pueblo of Isleta WQSs, are entered in the Excel database for comparison purposes with testing results. There is an indicator in the database to show if the monitoring results exceed the applicable surface WQS. An exceedance is not a violation of the WSB MS4 Permit, as the Permit does not have numeric discharge limitations. These ">WQ Standard" flags simply and quickly show the CMC members where the results of the lab data exceed the applicable WQS.

Water quality data was entered into the database upon receipt of the lab reports. All data entered into the database is initially denoted with a "P" to indicate that it is provisional and has not been through the verification and validation process yet. Full parameter analyses of the qualifying storm event for the Rio Grande South location was entered into the database. The E. coli only sample from the Rio Grande Alameda location was also entered into the database.

Data Verification and Validation:

The Eurofins Environment Testing analysis reports were provided to BHI by AMAFCA. The lab reports also contain the Chain of Custody for the submitted samples. Field data was requested by and provided to BHI by DBS&A. Data verification and validation (V&V) was conducted by BHI on all field notes, lab reports, and Chain of Custody documents in accordance with the CMC WQS SOP #2, which is part of the existing draft QAPP (June 14, 2016). These procedures are based on *EPA Guidance for Environmental Data Verification and Validation* (EPA, 2008).

As stated in the QAPP, the V&V process was completed by a different person than the one who entered the data into the database. The V&V process included use of the *Data Verification and Validation Worksheet* (provided in the QAPP). For this task, field data was verified first, confirming all field notes were complete. BHI handled field parameter questions directly with DBS&A. Chemical data verification began as soon as the lab reports were received, checking that all parameters were tested and looking for any obvious exceedances of WQSs. Other steps listed on the *Data Verification and Validation Worksheet* were completed after all data from the laboratory was received and entered into the database. Sample blank results were reviewed to identify potential contamination during field processing or transport. Replica/duplicate samples were evaluated based on relative percent difference (as described in more detail in the QAPP) to determine the variability of the samples.

All CMC FY 2025 wet season data met the appropriate QAPP requirements for the July 17, 2024 E.coli samples. For the full parameter testing, the Rio Grande South and Rio Grande North samples, the lab report did not provide results for Gross Alpha, Adjusted. Data that did not meet the appropriate QAPP requirements was assigned an appropriate laboratory qualifier or validation code. A summary of validation codes is provided in the QAPP as well as in the lab reports in Attachment 1.

Once the V&V process was completed, the worksheets were signed. Copies of the V&V worksheets are provided with this memo (Attachment 2). In the database, data that was checked during the V&V process was then changed from being denoted with a “P” for provisional to a “V” for verified, and laboratory qualifiers were added, as needed.

CMC FY 2025 WET SEASON ASSESSMENT AND EVALUATION OF MONITORING RESULTS

The EPA approved WSB MS4 CMC Monitoring Plan, May 5, 2016, has 33 parameters to monitor at the Rio Grande North and Rio Grande South monitoring locations. This does not include PFAS, which is a new parameter the CMC chose to add. Of these 33 parameters, 16 parameters were not detected in the FY 2025 wet season samples at either the Rio Grande North or South locations. Refer to Table 3 for a list of the parameters that were not detected.

Table 3: Parameters Not Detected
CMC FY 2025 Wet Season Monitoring

Parameters Not Detected	
Oil and Grease (N-Hexane Extractable Material)	Dieldrin
Ammonia	Pentachlorophenol
Tetrahydrofuran	Benzidine
Benzo(a)pyrene	Benzo(a)anthracene
Benzo(b)fluoranthene (3, 4 Benzofluoranthene)	Dibenzofuran
Benzo(k)fluoranthene	Dibenzo(a,h)anthracene
Chrysene	Chromium VI (Hexavalent)
Indeno (1,2,3-cd) Pyrene	Bis (2-ethyhexyl) Phthalate (other names: Di(2-ethylhexly)phthalate, DEHP)

For the remaining parameters on the CMC monitoring parameter list, two (2) parameters (E. coli, PCBs) had exceedances of the applicable surface WQS found in NMAC 20.6.4 and the Pueblo of Isleta WQS during the FY 2025 wet season. All exceedances are discussed below in further detail.

E. coli:

The E. coli results collected during the FY 2025 wet season are summarized in Table 4.

Table 4: E. coli Results
CMC FY 2025 Wet Season Monitoring

Date – Rio Grande Location	**E. coli Results MPN (CFU/100 mL)**
July 17, 2024 – Rio Grande North Angostura	36.4
July 17, 2024 – Rio Grande at Alameda	45.9
July 19, 2024 – Rio Grande South, Isleta Dam	288.2

At the Rio Grande North location (upstream of the Albuquerque UA, at the Angostura Diversion Dam), one (1) sample was collected and tested for E. coli. The lab results for the July 17, 2024 sample showed that the sample had an acceptable E. coli concentration, below the primary contact-single sample Pueblo of Isleta WQS (88 CFU/100 mL).

At the Rio Grande South location (downstream of the MS4 UA), one (1) sample was collected and tested for E. coli. The July 19, 2024 sample exceeded the primary contact-single sample Pueblo of Isleta WQS (88 CFU/100 mL) but was below the primary contact-single sample NMAC WQS (410 CFU/100 mL).

In addition, the CMC collected one (1) E. coli sample in the Rio Grande at Alameda Blvd. during the FY 2025 wet season. The Alameda Blvd. analysis point was based on discussions with NMED in February 2017 on collecting actual E. coli data at the stream segment divide verses using an area percentage (as defined in the Total Maximum Daily Load (TMDL)) for E. coli loading calculations. The lab results showed that the July 17, 2024 sample had an acceptable E. coli concentration below the primary contact-single sample Pueblo of Isleta WQS (88 CFU/100 mL) and the primary contact-single sample NMAC WQS (410 CFU/100 mL).

As a reminder, in January 2017 the CMC members clarified with NMED that the units MPN/100 mL and CFU/100 mL are considered to be interchangeable for the purposes of this stormwater quality monitoring reporting. ("MPN" means Most Probable Number and "CFU" means colony-forming units) The New Mexico and Pueblo of Isleta WQSs for E. coli are currently in units of CFU/100 mL, while the lab reports are typically in units of MPN/100mL. The graph presented in this section uses units of CFU/100 mL to be consistent with the WQS units. Refer to Figure 2 for a graphical representation of E. coli results from July 2024.

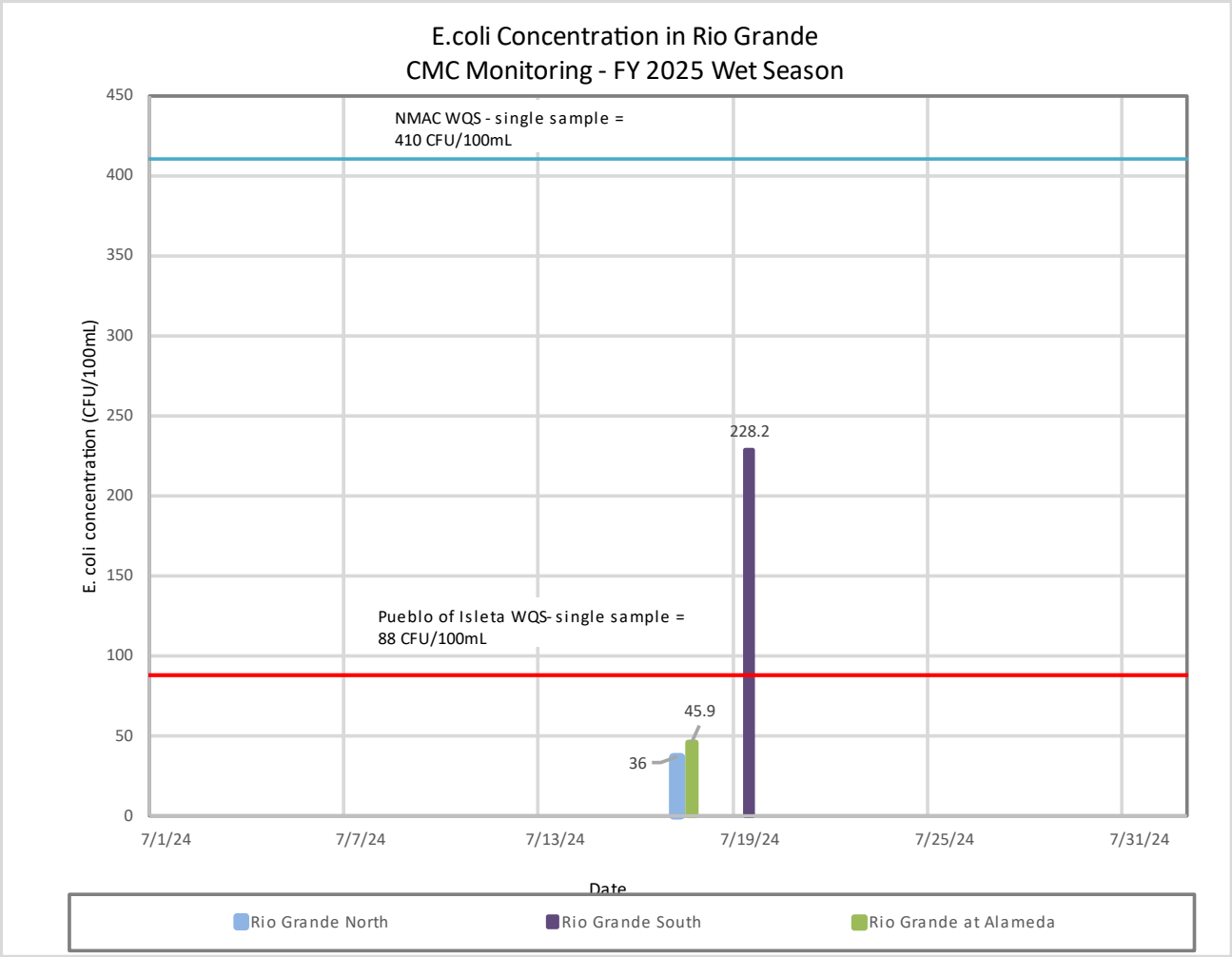


Figure 2: E. coli Monitoring Results in Rio Grande
CMC Monitoring – FY 2025 Wet Season

PCBs:

There are multiple surface WQS values listed for PCBs in both the Pueblo of Isleta and the State of New Mexico standards for various designated uses. The PCB results for samples collected from the Rio Grande during the FY 2025 wet season stormwater events were below the MQL established in EPA standards for the MS4 NPDES Permit (Appendix F, 0.2 ug/L for PCBs). PCBs were detected in the both the Rio Grande North and Rio Grande South July 2024 samples. The Rio Grande North location was above both the Pueblo of Isleta human health (HH) WQS based on fish consumption only and the NMAC HH WQS based on fish consumption only. The Rio Grande South location was above the Pueblo of Isleta HH WQS for surface waters but below the NMAC WQS human health-organism only criterion (HH-OO) WQS.
The HH-OO WQS is based upon human consumption of fish and other aquatic life that bioaccumulate contaminants over time. The PCB results from 2016 through 2025 are shown in Figure 3, relative to several of the WQSs for PCBs.

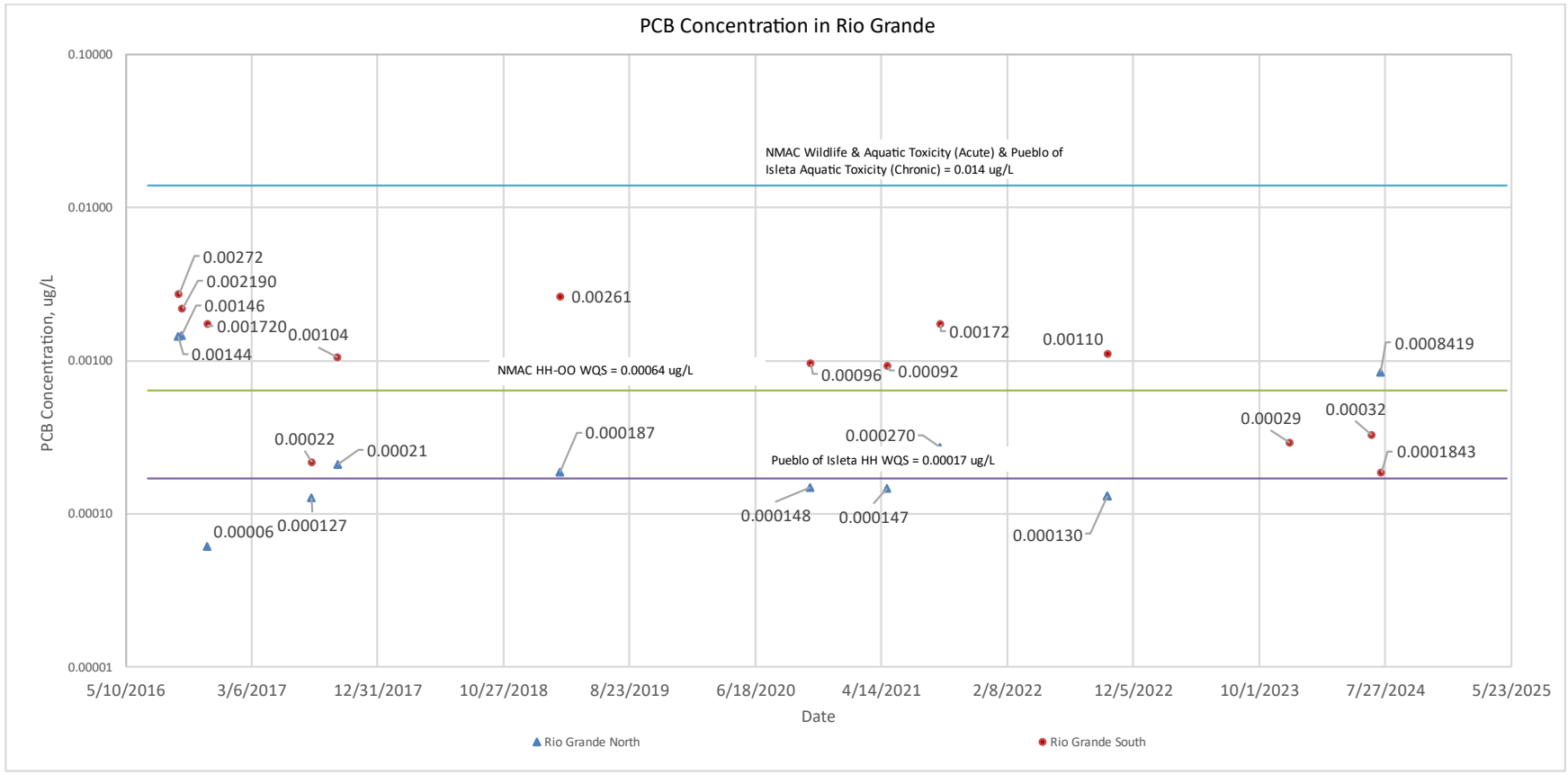


Figure 3: PCB Monitoring Results in Rio Grande
CMC Monitoring – 2016 - 2025

Gross Alpha, Adjusted:

The July 2024 samples did not exceed the New Mexico and Pueblo of Isleta WQSs for gross alpha. For the Rio Grande South and Rio Grande North samples, the lab reports did not provide results for gross alpha, adjusted. Typically, gross alpha, adjusted, is lower than the gross alpha value so there is no concern with the values provided and reported. The WQS for gross alpha, adjusted is the same value for both the NMAC 20.6.4 Water Quality Criterion and Pueblo of Isleta. The WQS of 15 pCi/L ("pCi/L" means picocuries per liter) is a general standard for the Pueblo of Isleta; for New Mexico it is based on Domestic Water Supply and Livestock Watering designated uses.

The last exceedance for gross alpha, adjusted for CMC sampling was reported for the October 6, 2022, Rio Grande South sample. The CMC will continue to closely evaluate this parameter in future samples. If additional exceedances occur, the CMC will discuss the results further and may consult NMED for further guidance.

Dissolved Oxygen (DO) and Temperature:

Two (2) of the water quality parameters are specifically worth mentioning in this memo because they are listed in the WSB MS4 Permit, Part I.C.1 – Special Conditions: dissolved oxygen (DO) and temperature. The DO and temperature parameters did not have any surface water quality exceedances during the FY 2025 wet season sampling.

DO is a water quality concern in the Rio Grande if it is below 5 mg/L. The samples taken during the FY 2024 dry season on June 26, 2024 at Rio Grande North and Rio Grande at Alameda had DO values below 5 mg/L. These values were not reported as exceedances because the reported field values were taken from a fifth composite sample when the previous four (4) other samples were above 5 mg/L. From the CMC Sampling data sheet of both the Rio Grande North and the Rio Grande at Alameda, the temperature of the sample increases within the hour of composite testing due to ambient air temperature, and the DO decreases due to the inverse relationship between the two parameters. The DO reported lower than 5 mg/L was not due to the stormwater runoff that occurred but due to the sampling protocol, which impacted the reported DO.

This provides the MS4s with specific monitoring data showing that stormwater did not cause or contribute to exceedances of applicable DO WQSs in the Rio Grande from any of the CMC samples from FY 2016 to FY 2025. Refer to Figure 4 for CMC DO results and comparison to applicable WQSs.

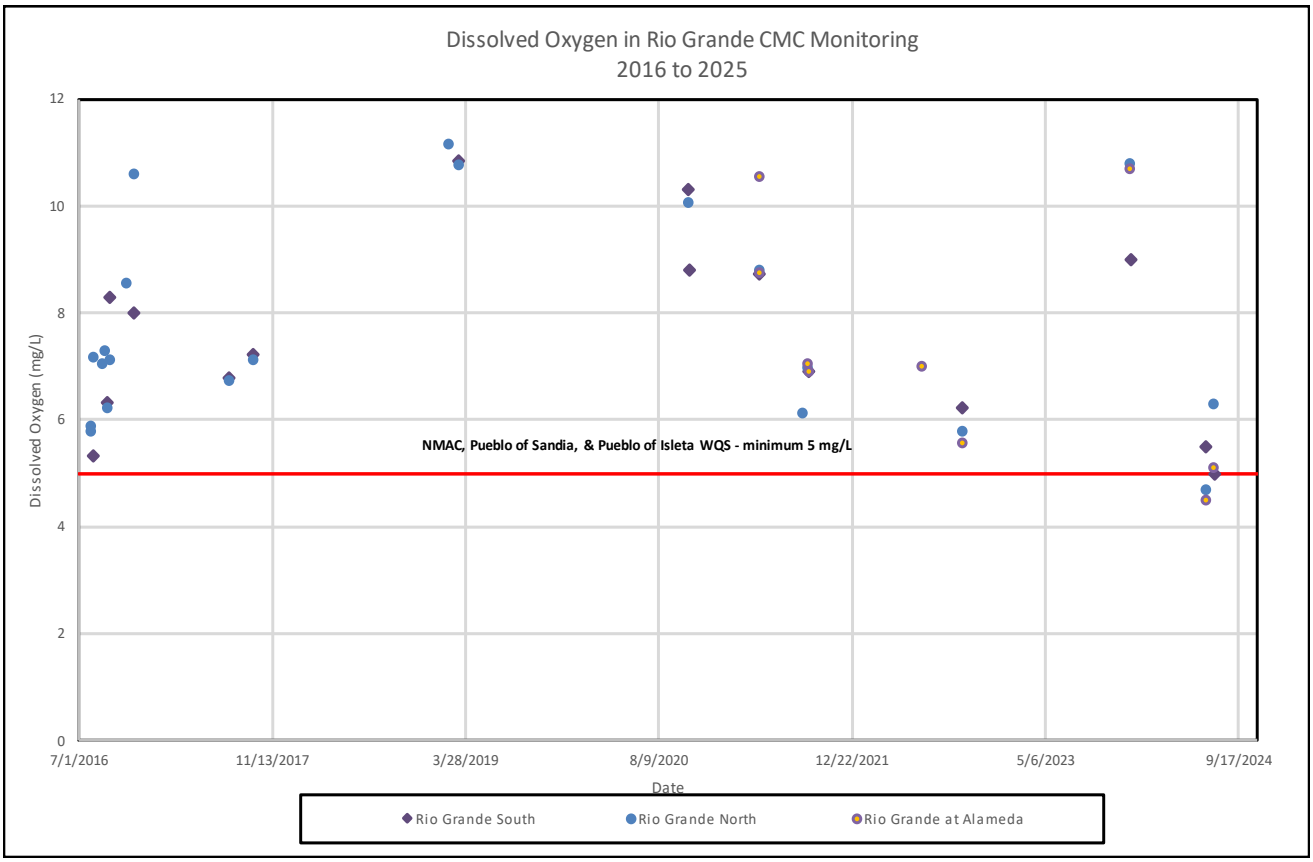


Figure 4: Dissolved Oxygen (DO) Monitoring Results in the Rio Grande CMC Monitoring – FY 2016 – FY 2025

Temperature is listed in the WSB MS4 Permit as a special condition (currently only applicable to the City of Albuquerque and AMAFCA). Past data submitted to EPA and NMED by the MS4 permittees have proven that stormwater discharges into the Rio Grande are not raising the Rio Grande temperature above the WQSs. The data collected during this FY 2025 wet season monitoring also supports this conclusion. All the temperature field readings taken from the Rio Grande during the CMC FY 2025 wet season were below 32.2°C (90°F), which is the WQS for the State of New Mexico and for the Isleta and Sandia Pueblos. Refer to Figure 5 for temperature results and comparison to applicable WQSs for all CMC samples taken upstream and downstream of the MRG MS4 area from FY 2016 to FY 2025.

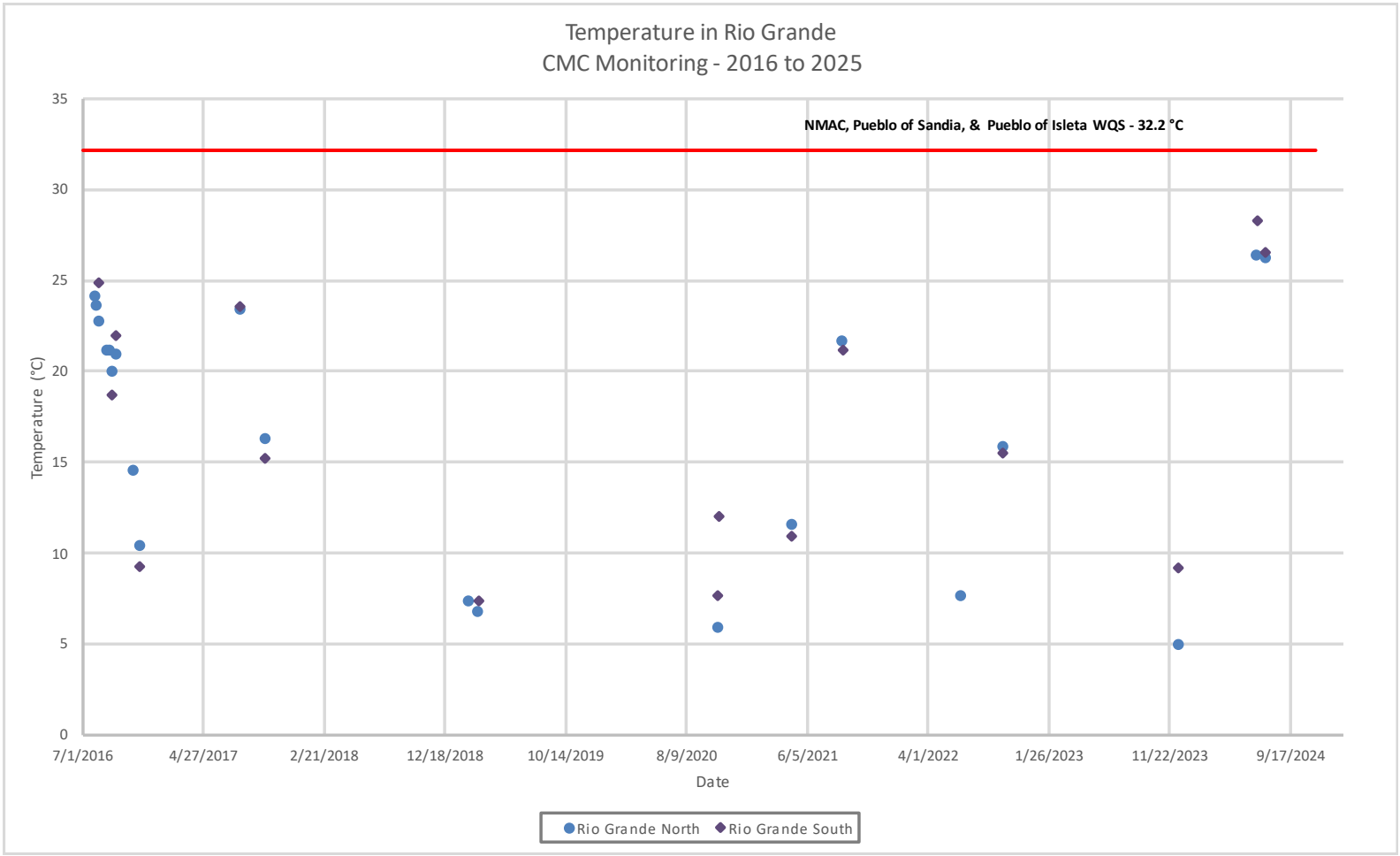


Figure 5: Temperature Monitoring Results in the Rio Grande
CMC Monitoring – FY 2016 – FY 2025

CMC FY 2025 WET SEASON E. COLI LOADING CALCULATIONS AND WASTE LOAD ALLOCATION (WLA)

Related to assessing the stormwater results, the E. coli loading was calculated and compared to the aggregate TMDL WLA for the CMC group. A TMDL is the maximum amount of a pollutant (E. coli in this case) that a water body (Rio Grande) can assimilate on a daily basis without violating applicable surface WQSs. The total TMDL for a stream segment consists of the multiple WLAs for point sources, non-point sources, and natural sources, plus a margin of safety. The CMC MS4 allotted WLA was determined in the EPA Approved, *Total Maximum Daily Load for the Middle Rio Grande Watershed*, June 30, 2010, and subsequent communications with NMED. The WLA varies by flow condition in the Rio Grande and by stream segment.

E. coli loading calculations and comparison to the WLA follows the WSB MS4 Permit requirements in *Discharges to Water Quality Impaired Water Bodies with an Approved TMDL*, *Part I.C.2.b.(i).(c).B*, *Appendix B-Total Maximum Daily Loads* (TMDLs) Tables of the WSB MS4 Permit, and the NMED guidance provided to the CMC. Attached to this memo is the WLA Calculation spreadsheet, which steps through the E. coli loading calculations and assumptions comparing the calculated E. coli loading to the CMC aggregate WLA defined by NMED.

There are two (2) stream segments defined in the WSB MS4 Permit (Appendix B): Isleta Pueblo Boundary to Alameda Street Bridge (Stream Segment 2105_50) and Non-Pueblo Alameda Bridge to Angostura Diversion (Stream Segment 2105.1_00). These stream segments differ from NMED's current stream segments defined in the *2022-2024 State of New Mexico Clean Water Act Section 303(d)/Section 305(b) Integrated Report* (NMED, April 2022) and *Draft 2024-2026 State of New Mexico Clean Water Act Section 303(d)/Section 305(b) Integrated Report* (NMED, December 2023). NMED currently has four (4) stream segments instead of the two (2) WSB MS4 stream segments. These various stream segment designations are shown in Figure 6, page 17.

The *NMED 303(d)/305(b) 2022-2024* and *Draft 2024-2026 Integrated Report* tables show the most recent assessment results, and currently all segments of the Rio Grande (Isleta to Angostura Diversion) are impaired for E. coli and have a TMDL for E. coli.

The E. coli daily loading associated with the CMC group and comparison to the NMED WLA was completed for the one (1) qualifying wet season storm event – July 17-19, 2024. For this event, the CMC obtained an E. coli sample in the Rio Grande at Alameda and used this to calculate the E. coli loading for the two (2) river segments. Refer to Table 5 on page 18 for a summary of the WLA comparison results. A spreadsheet that provides the detailed WLA calculations is attached to this memo.

Rio Grande Segment
Hwy 550 Bridge to Angostura Diversion
NM-2105.1_02

Impairments CWA 303(d) List*	TDML
E. coli	E. coli

MS4 Permit Stream Segment
Alameda Bridge to
Angostura Diversion
2105.1_00

Rio Grande Segment
Alameda Bridge to Hwy 550 Bridge
NM-2105.1_00

Impairments CWA 303(d) List*	TDML
Gross alpha, adjusted	E. coli
PCBs - Fish Consumption Advisory	
Mercury - Fish consumption Advisory	
PCBs	
E. coli	

Rio Grande Segment
Tijeras Arroyo to Alameda Bridge
NM-2105_51

Impairments CWA 303(d) List*	TDML
Dissolved Oxygen	E. coli
PCBs - Fish Consumption Advisory	
Mercury - Fish Consumption Advisory	
Temperature	
E. coli	

MS4 Permit Stream Segment
Isleta Pueblo Boundary to Alameda St. Bridge
2105_50

Rio Grande Segment
Isleta Pueblo Boundary to Tijeras Arroyo
NM-2105_50

Impairments CWA 303(d) List*	TDML
Dissolved Oxygen	E. coli
PCBs - Fish Consumption Advisory	
Mercury - Fish Consumption Advisory	
E. coli	

MS4 Permit Stream Segments
NMED Stream Segments
North Diversion Channel
Albuquerque Urbanized Area
Rio Grande
Interstate Highway
U.S. Highway
State Highway

AMAFCA

Bohannan Huston
www.bhinc.com
800.877.5332

N

0 12,500 25,000 Feet

1 in = 12,500 ft

CMC Monitoring

Figure 6
Rio Grande Impairments & TMDL Information

* 2024-2026 State of NM Clean Water Act, Section 303(d)/Section 305(b) Integrated Reports

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Author: mcrooks

April 2025

Table 5: Summary of CMC E. Coli Loading Compared to WLA

Date / Stream Segment	Daily Mean Flow (cfs)	Flow Conditions (cfs) *range defined by NMED*	CMC Daily E. coli Loading (CFU/day)	NMED WLA for CMC for Stream Segment and Flow Conditions	Loading Compared to WLA Potential Exceedance or Acceptable
July 17-19, 2024 – Rio Grande North E. coli Concentration 7/17/2024 = 36.4 MPN (CFU/100 mL) Rio Grande at Alameda E. coli Concentration 7/17/2024 = 45.9 MPN (CFU/100 mL) Rio Grande South E. coli Concentration 7/19/2024 = 228.2 MPN (CFU/100 mL)					
Alameda to Angostura	219	Low	3.06E+09	1.68E+10	WLA Acceptable
Isleta to Alameda	136	Low	9.31E+09	3.42E+09	WLA Potential Exceedance

As Table 5 illustrates, the calculated E. coli loading for the July 17-19, 2024 storm event, for the northern segment (Alameda to Angostura) was an acceptable WLA for the CMC MS4s. The southern segment (Isleta to Alameda) of the Rio Grande was above the WLA for the CMC MS4s. This analysis used the mid-point E. coli sample result obtained in the Rio Grande at Alameda.

The WSB MS4 Permit implies that the WLA is a measurable goal for the MS4s related to E. coli. Based on extensive review of the EPA Approved, *Total Maximum Daily Load (TMDL) for the Middle Rio Grande Watershed [TMDL Report]*, June 30, 2010, this seems to be an unattainable goal for MS4s.

Page 40 of the 2010 *TMDL Report* states, "It is important to remember that the TMDL is a planning tool to be used to achieve water quality standards…Meeting the calculated TMDL may be a difficult objective." The TMDL/WLA was calculated by NMED to meet the Pueblos of Sandia and Isleta geometric mean maximum of 47 CFU/100 mL, which was done to be "protective of downstream waters" and "to provide an implicit margin of safety (MOS)". A single grab sample E. coli result meeting this very low geometric means WQSs will be very difficult for the MS4s to obtain.

The CMC members discussed the difficulty of using the WLA as a measurable goal with NMED on February 1, 2017. NMED explained that exceeding the WLA does not trigger enforcement. However, NMED strongly encouraged the MS4s to document what they are doing once they realize the WLA is potentially exceeded. The meeting on February 1, 2017, and the CMC discussion with NMED on February 16, 2017, demonstrate CMC members are working toward understanding the WLA. In addition, the CMC members began implementing a refinement to the sampling plan discussed with NMED by obtaining an E. coli sample in the Rio Grande at Alameda effective the FY 2018 wet season, as feasible. This demonstrates that the CMC is continuing to investigate the potential exceedances and make improvements to monitor E. coli in the Rio Grande.

DATA ENTRY FOR DISCHARGE MONITORING REPORTS

The WSB MS4 Permit entered Administrative Continuance in December 2019, when EPA Region 6 did not issue a new MS4 Permit before the MS4 Permit's expiration date. Until a new MS4 Permit is issued, there are no compliance monitoring requirements for the CMC in the Rio Grande. As identified in the WSB MS4 CMC Monitoring Plan, the WSB MS4 Permit required a minimum of seven (7) storm events be sampled at both the Rio Grande North and Rio Grande South locations. All MS4 Permit required samples have been obtained by the CMC and verified stormwater quality data from these required events have been submitted to the EPA using electronic Discharge Monitoring Report (DMR) forms. Data from the DMRs are uploaded to a comprehensive nationwide database that contains discharge data for facilities and other point sources that discharge directly to receiving streams. For this task, BHI has not completed any data entry related to the EPA DMRs for the FY 2025 wet season.

CONCLUSIONS AND PLANNING

During the FY 2025 wet season (July 1, 2024 to October 31, 2024), one (1) qualifying stormwater sample was obtained by the CMC. Lab results were received, and this data has been entered into the CMC Excel database. The lab data entered is marked in the spreadsheet as "V" (verified), and data V&V has been completed (refer to Attachment 2).

To summarize, monitoring results and E. coli loading calculations for the FY 2025 wet season show that:

- The WSB MS4 Permit entered Administrative Continuance in December 2019, when EPA Region 6 did not issue a new MS4 Permit before the MS4 Permit's expiration date. Until a new MS4 Permit is issued, there are no compliance monitoring requirements for the CMC in the Rio Grande. All MS4 Permit required samples have been obtained by the CMC, as well several samples collected during Administrative Continuance, including the one (1) sample obtained in the FY 2025 wet season, as reported in this memo.
- For the FY 2025 wet season, 16 parameters were not detected in the samples at either the Rio Grande North or South locations for the July 2024 stormwater sample.
- Temperature results have met the applicable WQSs for all the CMC samples to date. All temperature results were less than 32.2°C (maximum WQS).
- The PCB results were below the New Mexico Surface WQSs for designated uses, including acute aquatic life, and chronic aquatic life. However, the Rio Grande North and the Rio Grande South CMC samples from July 17, 2024 and July 19, 2024 respectively, were above the Pueblo of Isleta HH criteria (based on fish consumption only) WQS for surface waters. The Rio Grande North location was above both the Pueblo of Isleta HH criteria (based on fish consumption only) WQS for surface waters and NMAC HH-OO criteria.
- The calculated E. coli loading for the July 17-19, 2024 storm event for the north segment (Alameda to Angostura) was acceptable for the WLA for the CMC MS4s. The southern segment (Isleta to Alameda) of the Rio Grande was above the WLA for the CMC MS4s. This analysis used the mid-point E. coli sample result obtained in the Rio Grande at Alameda.
    - Sources for the E. coli loading measured in the river are not solely attributable to the CMC MS4 members; the E. coli loading calculations serve to provide a reasonable estimate of the CMC contribution to the measured E. coli loading.

For planning purposes for the CMC members, if a sample is obtained, the FY 2025 dry season CMC monitoring will be summarized by BHI for the CMC in a dry season memo.

SG/ab

Attachments:

Attachment 1 – DBS&A Field Data & Eurofins Environment Testing Environmental Analysis Laboratory Reports with BHI Notes for FY 2025 Wet Season

Attachment 2 – FY 2025 Wet Season Completed Data Verification and Validation (V&V) Forms

Spreadsheets Included Separately:

E. coli Loading and Comparison to Waste Load Allocation (WLA) Excel Spreadsheet

Excel CMC Spreadsheet with FY 2025 Wet Season Stormwater Quality Monitoring Results

ATTACHMENT 1

DBS&A FIELD DATA & EUROFINS ENVIRONMENT TESTING LABORATORY REPORTS WITH BHI NOTES FOR FY 2025 WET SEASON

CMC Water Quality Results Database
FY 2017 -FY 2025
Date: April 7, 2025
Summary of Lab Results for CMC samples

Parameter	Permit Required Units	Provisional or Verified	2025 CMC SAMPLE - EXTRA NORTH Collection Date 7/17/2024 Wet Season Sample	Qualifier	Check compared to Water Quality Criterion	Provisional or Verified	CMC SAMPLE Equip Blank NORTH Collection Date 7/15/2024 Wet Season Sample	Qualifier	Check compared to Water Quality Criterion	Provisional or Verified	2025 CMC SAMPLE - EXTRA SOUTH Collection Date 7/19/2024 Wet Season Sample	Qualifier	Check compared to Water Quality Criterion	Provisional or Verified	CMC SAMPLE Equip Blank SOUTH Collection Date 7/19/2024 Wet Season Sample	Qualifier	Check compared to Water Quality Criterion	Provisional or Verified	2025 CMC SAMPLE - EXTRA ALAMEDA Collection Date 7/17/24 Wet Season Sample	Qualifier	Check compared to Water Quality Criterion
Total Suspended Solids (TSS)	mg/L	V	29		--					V	42		--								
Total Dissolved Solids (TDS)	mg/L	V	190		OK					V	320		OK								
Chemical Oxygen Demand (COD)	mg/L	V	ND	H	--					V	75		--								
Biochemical Oxygen Demand (BOD_5)	mg/L	V	<2.0	H H3 *-	--					V	ND	*-	--								
Dissolved Oxygen (DO)	mg/L	V	6.3		OK	V	6.3		OK	V	5		OK	V	5		OK	V	5.1		OK
Oil and Grease (N-Hexane Extractable Material)	mg/L	V	ND		OK					V	ND		OK								
E. coli	MPN (CFU/100 mL)	V	36.4		OK					V	228.2		>WQ Standard					V	45.9		OK
pH	S.U.	V	8.29		OK	V	8.29		OK	V	8.19		OK	V	8.19		OK	V	7.76		OK
Total Kjedahl Nitrogen (TKN)	mg/L	V	ND		--					V	0.74		--								
Nitrate plus Nitrite	mg/L	V	0.56	J	OK					V	1.3		OK								
Dissolved Phosphorous	mg/L	V	0.069		--					V	0.47		--								
Ammonia (mg/L as N)	mg/L	V	ND		N/A					V	ND		OK								
Total Nitrogen	mg/L	V	0.56		OK					V	2.04		OK								
Total Phosphorous	mg/L	V	0.12		--					V	0.54		--								
PCBS - 0.000064 (Method 1668A - sum of all congeners)	µg/L	V	0.0008419	J B q	>WQ Standard					V	0.0001843	J B q	>WQ Standard								
Gross Alpha, Adjusted	pCi/L	V	2.99	Note - Gross Alpha was reported, not adjusted gross alpha	OK					V	2.36	UG Note - Gross Alpha was reported, not adjusted gross alpha	OK								
Tetrahydrofuran	µg/L	V	ND		--					V	ND		--								
Benzo[a]pyrene	µg/L	V	ND		N/A					V	ND		OK								
Benzo[b]fluoranthene (other name: 3,4-Benzofluoranthene)	µg/L	V	ND		OK					V	ND		OK								
Benzo(k)fluoranthene	µg/L	V	ND		OK					V	ND		OK								
Chrysene	µg/L	V	ND		OK					V	ND		OK								
Indeno(1,2,3-cd)Pyrene	µg/L	V	ND		OK					V	ND		OK								
Dieldrin	µg/L	V	ND		OK					V	ND		OK								
Pentachlorophenol	µg/L	V	ND		OK					V	ND		OK								
Benzidine	µg/L	V	ND		OK					V	ND		OK								
Benzo(a)anthracene	µg/L	V	ND		OK					V	ND		OK								
Dibenzofuran	µg/L	V	ND		--					V	ND		--								
Dibenzo[a,h]anthracene	µg/L	V	ND		OK					V	ND		OK								
Chromium VI (Hexavalent)	µg/L	V	ND		OK					V	ND		OK								
Dissolved Copper	µg/L	V	0.78		OK					V	1.3		OK								
Dissolved Lead	µg/L	V	0.091	J	OK					V	ND		OK								
Bis (2-ethyhexyl) Phthalate (other names: Di(2-ethylhexyl)phthalate, DEHP) - 2.2	µg/L	V	ND	*+	OK					V	ND	*+	OK								
Conductivity	umhos/cm	V	294		--	V	294		--	V	510		--	V	510		--	V	332		--
Temperature	°C	V	26.3		OK	V	26.3		OK	V	26.6		OK	V	26.60		OK	V	29.9		OK
Hardness (as $CaCO_3$)	mg/L	V	130		--					V	160		--								
Mercury	µg/l																				
PFA (6)	ppt (ng/L)	V	ND		OK	V	ND		OK	V	ND		OK	V	2.9	J	--				
PFA (6) (filtered)	ppt (ng/L)																				

39

Data Verification/Validation and Qualifier Notes:
(R) The sample results are unusable because certain criteria were not met. The analyte may or may not be present in the sample.
(H) Sample holding time exceeded.
(J) The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
(D) Sample was diluted by Lab due to matrix
(U) Analyte was analyzed for, but not detected above the specified detection limit.

Notes:
1. Wet Season monitoring period - July 1 to October 31 and Dry Season monitoring period - November 1 to June 30 according to the Watershed Based MS4 Permit NMR04A000.
2. Water Quality Criterion from 20.6.4 NMAC; Rio Grande Basin - section 20.6.4.105;
For a mean monthly flow of 100 cfs, monthly average concentration for TDS 1,500
3. Aquatic life criteria for metals are expressed as a function of total hardness (mg/L
4. According to NMAC 20.6.4, E. coli bacteria for Primary Contact - monthly geometric
5. Water quality criterion for metals is based on dissolved metals, NMAC 20.6.4.900.I
and individual sample results compared to acute toxicity values.
6. Eurofins lab method: SM 9223B Fecal Indicator. Note - lab method for units of MPN/100 ml, lab report uses units CFU/100 ml, for this analysis assuming two units
7. PFA 6 is for the sum of 6 PFAS in drinking water; these compounds are PFOA, PFOS, PFNA, PFHpA, PFHxS and PFDA

ND - analyte not detected above the laboratory method detection limit
NA - not analyzed
Hatching also indicates that parameter was not analyzed

National recommended WQ criteria Human Health
https://www.epa.gov/wqc/national-recommended-water-quality-criteria-human-health-criteria-table

Samplers C Johannesen
E. Jones

CMC Sampling Data Sheet

Site Identification: Rio Grande – North

Notes:

Full Suite Sample Date and Time:	7/17/2024 1230
Full Sample Identification:	RG-North-20240717
QC Samples: Duplicate / None	QC Sample ID: EQUIP BLANK-20240717; PFAS
QC samples require a DIFFERENT sample time than the environmental sample. QC Sample time:	1245

Full Suite Collection Point : DAM

Full Suite Sample Volume: 9 gallons Collection Time Start: 1145 End: 1230

Field Parameters for each 2-gallon grab

Grab	Time	Temp (°C)	pH	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)
1	1145	25.4	8.64	314	5.0	73
2	1200	28.1	8.74 Recalibrate pH; one point(7)	288	4.5	69
3	1215	25.8	7.49	393	5.6	83
4	1230	26.6	8.24	303	4.9	74
Composite	1230	26.3	8.29	294	6.3	90

☒ Turbid Water ☒ Color BROWN ☐ Solids ☐ Oil/Sheen ☐ Foam ☒ Odor ~~N/A~~ Difeict by products

Analytical - see 2024 COC table

☒ Site Photo ☒ Sample Photo

Samplers C Johnson

CMC Sampling Data Sheet

Site Identification: RG-Alameda

Notes:

Full Suite Sample Date and Time:	RG-Alameda-20240717
Full Sample Identification:	7/17/24 1400
QC Samples: Duplicate / None	QC Sample ID:
QC samples require a DIFFERENT sample time than the environmental sample. QC Sample time:	

Full Suite Collection Point :

Full Suite Sample Volume: Collection Time Start: 1400 End: 1400

Field Parameters for each 2-gallon grab

Grab	Time	Temp (°C)	pH	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)
1	1400	29.9	7.76	332	5.1	80
2						
3						
4						
Composite						

☐*Turbid Water* ☐*Color*_____ ☐*Solids* ☐*Oil/Sheen* ☐*Foam* ☐*Odor*_____

Analytical - see 2024 COC table

☐Site Photo ☐Sample Photo

DBS&A
Daniel B. Stephens & Associates, Inc.

Samplers EJ & JC

CMC Sampling Data Sheet

Site Identification: **Rio Grande at Isleta Dam**

Sample Date and Time:
7/19/'24 ~~1100~~ 1145

Sample Identification:
RG - South - 20240719

QC Samples: ~~Duplicate~~ / None
QC samples require a DIFFERENT sample time than the environmental sample.
QC Sample Time: 1100
QC Sample ID: RG - South ~~DUP~~ BLK - 20240719
PFAS Equipment Blank

Collection Point : Bucket from West side of Bridge
Collection Equipment : Plastic Bucket

Total Sample Volume: Collection Time Start: ~~1045~~ 1100 End: ~~1100~~ 1145

Water Quality Meter ID: YSI Pro 1020 (21C102844)
Calibration Date: ~~7/19/'24~~

Field Parameters

Time	Temp (°C)	pH	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	ORP (mV)	Volume (Gallons)
1100 ~~1045~~	26.3	7.98	484	~~7.6~~ 5.0	5.0 ~~74~~		≈2
1115 ~~1030~~	25.8	8.10	506	5.4 ~~8.6~~	~~5.6~~ ~~8~~		≈1.5
1130 ~~1045~~	25.6	8.15	503	5.6	83		≈2.0
1145 1100	25.7	8.12	499	6.7	94		≈2
Composite	26.6	8.19	510	5.0	74		

Notes: Analysis suite in attached 2016_Paramter list_CMC.pdf
Translucent Light brown

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Patrick Chavez
Albuquerque Metropolitan Arroyo Flood Control Authority
2600 Prospect Ave NE
Albuquerque, New Mexico 87107

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JOB DESCRIPTION

CMC ~~FY 24~~
FY 25

JOB NUMBER

885-8170-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

my EOL

Eurofins Albuquerque

Job Notes

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

Authorization



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Authorized for release by
Erin Munoz, Project Manager
Erin.Munoz@et.eurofinsus.com
(505)345-3975

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
QC Sample Results 8
QC Association Summary 9
Lab Chronicle 10
Certification Summary 11
Chain of Custody 12
Receipt Checklists 13

Definitions/Glossary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-8170-1
Project/Site: CMC FY 24

Glossary

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

Job Narrative
885-8170-1

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

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

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

Receipt
The samples were received on 7/17/2024 2:45 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 11.6°C.

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

07/17/2024: Rio Grande North and Alameda only E.coli.

Field Parameters:
- Rio Grande - North
  Temp = 26.3^{0}C
  pH = 8.29
  Conductivity = 294
  Dissolved Oxygen = 6.3
- Alameda
  Temp = 29.9^{0}C
  pH = 7.76
  Conductivity = 332
  Dissolved Oxygen = 5.1

Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-8170-1
Project/Site: CMC FY 24

Client Sample ID: RG-North-20240717
Lab Sample ID: 885-8170-1
Date Collected: 07/17/24 12:30
Matrix: Water
Date Received: 07/17/24 14:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	36.4		1.0	1.0	MPN/100mL			07/17/24 18:31	1

Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-8170-1
Project/Site: CMC FY 24

Client Sample ID: RG-Alameda-20240717
Lab Sample ID: 885-8170-2
Date Collected: 07/17/24 14:00
Matrix: Water
Date Received: 07/17/24 14:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	45.9		1.0	1.0	MPN/100mL			07/17/24 18:31	1

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-8170-1
Project/Site: CMC FY 24

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

Lab Sample ID: MB 885-8611/1
Matrix: Water
Analysis Batch: 8611

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
. Ncherichia coli	mD		1L0	1L0	MPm/1003 E			07/17/24 18:f 1	1

. urosinNAlbuquerque

7/19/2024

Biology

Analysis Batch: 8611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8170-1	RG-North-20240717	Total/NA	Water	9223B	
885-8170-2	RG-Alameda-20240717	Total/NA	Water	9223B	
MB 885-8611/1	Method Blank	Total/NA	Water	9223B	

Lab Chronicle

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-8170-1
Project/Site: CMC FY 24

Client Sample ID: RG-North-20240717
Lab Sample ID: 885-8170-1
Date Collected: 07/17/24 12:30
Matrix: Water
Date Received: 07/17/24 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	8611	CO	EET ALB	07/17/24 18:31

Client Sample ID: RG-Alameda-20240717
Lab Sample ID: 885-8170-2
Date Collected: 07/17/24 14:00
Matrix: Water
Date Received: 07/17/24 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	8611	CO	EET ALB	07/17/24 18:31

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-8170-1
Project/Site: CMC FY 24

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
9223B		Water	Escherichia coli

Chain-of-Custody Record

Client: AMAFCA

Mailing Address:

Phone #:

email or Fax#: pchavez@amafca.org

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: CMC FY24

Project #: —

Project Manager: Patrick Chavez

Sampler: DBSA - ChadJohannesson

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp(Including CF): 11.6±0=11.6 (°C) yoyo

HALL ENVIRONME
ANALYSIS LABOR
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

885-8170 COC

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	E coli - enumerate
7-17-25	1230	AQ	RG-North-20240717														X
7-17-25	1400	AQ	RG-Alameda-20240717														X

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
7-17-24	1445			COD	7-17-24	1445
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories This serves as notice of this possibility Any sub-contracted data will be clearly notated on the analytical report.

Login Sample Receipt Checklist

Client: Albuquerque Metropolitan Arroyo Flood Control Authority

Job Number: 885-8170-1

Login Number: 8170
List Number: 1
Creator: Dominguez, Desiree

List Source: Eurofins Albuquerque

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

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

ANALYTICAL REPORT

PREPARED FOR

Attn: Eben Jones
Daniel B. Stephens & Associates Inc.
6020 Academy Road NE
Suite 100
Albuquerque, New Mexico 87109

Generated 9/13/2024 8:19:42 AM

JOB DESCRIPTION

CMC

JOB NUMBER

885-8362-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

myEOL

Eurofins Albuquerque

Job Notes

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

Authorization



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Authorized for release by
Cheyenne Cason, Project Manager
cheyenne.cason@et.eurofinsus.com
(505)345-3975

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 6
Client Sample Results 8
Isotope Dilution Summary 27
QC Sample Results 29
QC Association Summary 54
Lab Chronicle 60
Certification Summary 63
Subcontract Data 66
Chain of Custody 77
Field Data Sheets 83
Receipt Checklists 85

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Dioxin

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
q	The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
H3	Sample was received and analyzed past holding time. This does not meet regulatory requirements.
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

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

Glossary (Continued)

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

Job ID: 885-8362-1 Eurofins Albuquerque

Job Narrative
885-8362-1

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

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

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

Receipt
The samples were received on 7/19/2024 1:27 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 4.6°C and 18.8°C.

Receipt Exceptions
The Field Sampler was not listed on the Chain of Custody.

The following sample(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: RG-South-20240719 (885-8362-1), RG-South-BLK-20240719 (885-8362-2), RG-North-20240717 (885-8362-3), EquipBlank-20240717;PFAS (885-8362-4) and Trip Blank (885-8362-5).

the following sample(s): #3X was received with a broken and/or cracked lid. Tape was placed on the lid. No volume was lost.

Subcontract Work
Method 3500Cr C-2011 Cr6: This method was subcontracted to Pace Analytical Services LLC. The subcontract laboratory certification is different from that of the facility issuing the final report. The subcontract report is appended in its entirety.

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

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

Pesticides/PCBs
Method 608.3: The surrogate recovery for the method blank associated with preparation batch 860-177123 and analytical batch 860-177230 was outside the upper control limits.
(MB 860-177123/1-A)

Method 608.3: The surrogate recovery for the laboratory control sample and laboratory control sample duplicate associated with preparation batch 860-177123 and analytical batch 860-177230 was outside the upper control limits.

(LCS 860-177123/2-A) and (LCSD 860-177123/3-A)

Method 608.3: Surrogate recovery for the following sample was outside the upper control limit: RG-North-20240717 (885-8362-3). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

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

PFAS
Method 537.1: The following samples in preparation batch 320-783394 were yellow in color prior to extraction.RG-South-BLK-20240719 (885-8362-2) and RG-North-20240717 (885-8362-3)

Method 537.1: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-783394.

Method 537.1: The following sample was re-extracted due to detections for several analytes. The re-extraction results confirmed; therefore, the original set of data has been reported.

RG-South-BLK-20240719 (885-8362-2)

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

Hi-Res PCBs
Method 1668A: Ion abundance ratios are outside criteria for the Isotope Dilution Analyte (IDA) associated with the following sample: (LCS 320-785897/2-A). The theoretical area for the IDA was used to quantitate recovery and target concentration.

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

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

General Chemistry
Method 5220D_NP: The following sample was analyzed outside of analytical holding time: RG-North-20240717 (885-8362-3).

Method 5220D_NP: Sample diluted due to insufficient volume remaining for reanalysis. Sample was Non detect.

RG-North-20240717 (885-8362-3)

Method SM5210B_BODCalc: The glucose-glutamic acid standard (LCS) recovered outside the recovery limits specified in the method in batch 885-8777. The method holding time had expired, therefore the analysis was not repeated. The data was qualified and reported.

Method SM5210B_BODCalc: The DO depletion is < 2.0mg/L at the maximum sample aliquot allowed. Therefore, the BOD result is reported.

Method SM5210B_BODCalc: Samples adjusted for pH before analysis.

RG-South-20240719 (885-8362-1) and RG-North-20240717 (885-8362-3)

Method SM5210B_BODCalc: The following sample was received outside of holding time: RG-North-20240717 (885-8362-3).

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

Gas Flow Proportional Counter
Method 900.0: Gross Alpha Beta Batch 672164

The detection goal was not met for the following sample due to a reduction of the sample size attributed to high residual mass: RG-South-20240719 (885-8362-1). Analytical results are reported with the detection limit achieved.

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

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

07/17/2024: Rio Grande North full analyte list including E.coli and PFAS. Rio Grande North Equipment Blank sample was tested for PFAS
07/19/2024: Rio Grande South full analyte list including E.coli and PFAS filtered. Rio Grande South Equipment Blank sample was tested for PFAS.

Field Parameters:
- Rio Grande - South
  Temp = 26.6^{0}C
  pH = 8.19
  Conductivity = 510
  Dissolved Oxygen = 5.0
- Rio Grande - North
  Temp = 26.3^{0}C
  pH = 8.29
  Conductivity = 294
  Dissolved Oxygen = 6.3

Client: Daniel B. Stephens & Associates Inc.
Project/Site: CMC

Job ID: 885-8362-1

Client Sample ID: RG-South-20240719
Date Collected: 07/19/24 11:45
Date Received: 07/19/24 13:27

Lab Sample ID: 885-8362-1
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	ND		0.010	0.0018	mg/L			07/31/24 22:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*63 - 144*		*07/31/24 22:00*	*1*
4-Bromofluorobenzene (Surr)	*95*		*74 - 124*		*07/31/24 22:00*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 131*		*07/31/24 22:00*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*07/31/24 22:00*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		0.11	0.0094	ug/L		07/24/24 14:59	07/31/24 09:57	1
Benzo[a]pyrene	ND		0.11	0.0099	ug/L		07/24/24 14:59	07/31/24 09:57	1
Benzo[b]fluoranthene	ND		0.56	0.066	ug/L		07/24/24 14:59	07/31/24 09:57	1
Benzo[k]fluoranthene	ND		0.56	0.047	ug/L		07/24/24 14:59	07/31/24 09:57	1
Chrysene	ND		0.56	0.081	ug/L		07/24/24 14:59	07/31/24 09:57	1
Dibenz(a,h)anthracene	ND		0.11	0.050	ug/L		07/24/24 14:59	07/31/24 09:57	1
Dibenzofuran	ND		0.56	0.11	ug/L		07/24/24 14:59	07/31/24 09:57	1
Indeno[1,2,3-cd]pyrene	ND		0.56	0.099	ug/L		07/24/24 14:59	07/31/24 09:57	1
Benzidine	ND		1.1	0.089	ug/L		07/24/24 14:59	07/31/24 09:57	1
Bis(2-ethylhexyl) phthalate	ND	*+	2.8	1.4	ug/L		07/24/24 14:59	07/31/24 09:57	1
Pentachlorophenol	ND		1.1	1.0	ug/L		07/24/24 14:59	07/31/24 09:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*111*		*43 - 130*	*07/24/24 14:59*	*07/31/24 09:57*	*1*
Nitrobenzene-d5 (Surr)	*117*		*37 - 133*	*07/24/24 14:59*	*07/31/24 09:57*	*1*
p-Terphenyl-d14 (Surr)	*111*		*47 - 130*	*07/24/24 14:59*	*07/31/24 09:57*	*1*
2,4,6-Tribromophenol (Surr)	*96*		*35 - 130*	*07/24/24 14:59*	*07/31/24 09:57*	*1*

Method: EPA 608.3 - Organochlorine Pesticides/PCBs in Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	ND		0.000053	0.000018	mg/L		07/23/24 20:02	07/24/24 14:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*64*		*45 - 115*	*07/23/24 20:02*	*07/24/24 14:31*	*1*
Tetrachloro-m-xylene	*109*		*41 - 110*	*07/23/24 20:02*	*07/24/24 14:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate	**1.3**		0.10	0.020	mg/L			07/20/24 05:03	1
Nitrite	ND		0.10	0.012	mg/L			07/20/24 05:03	1

Method: EPA 537.1 - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	ND		0.0018	0.00045	ug/L		07/24/24 05:30	07/27/24 12:08	1
Perfluoroheptanoic acid (PFHpA)	ND		0.0018	0.00045	ug/L		07/24/24 05:30	07/27/24 12:08	1
Perfluorooctanoic acid (PFOA)	ND		0.0018	0.00045	ug/L		07/24/24 05:30	07/27/24 12:08	1
Perfluorononanoic acid (PFNA)	ND		0.0018	0.00045	ug/L		07/24/24 05:30	07/27/24 12:08	1
Perfluorodecanoic acid (PFDA)	ND		0.0018	0.00045	ug/L		07/24/24 05:30	07/27/24 12:08	1
Perfluoroundecanoic acid (PFUnA)	ND		0.0018	0.00045	ug/L		07/24/24 05:30	07/27/24 12:08	1
Perfluorododecanoic acid (PFDoA)	ND		0.0018	0.00045	ug/L		07/24/24 05:30	07/27/24 12:08	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.0018	0.00045	ug/L		07/24/24 05:30	07/27/24 12:08	1

Client: Daniel B. Stephens & Associates Inc.
Project/Site: CMC

Job ID: 885-8362-1

Client Sample ID: RG-South-20240719
Date Collected: 07/19/24 11:45
Date Received: 07/19/24 13:27

Lab Sample ID: 885-8362-1
Matrix: Water

Method: EPA 537.1 - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotetradecanoic acid (PFTA)	ND		0.0018	0.00045	ug/L		07/24/24 05:30	07/27/24 12:08	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.0018	0.00045	ug/L		07/24/24 05:30	07/27/24 12:08	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.0018	0.00045	ug/L		07/24/24 05:30	07/27/24 12:08	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.0018	0.00045	ug/L		07/24/24 05:30	07/27/24 12:08	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.0018	0.00045	ug/L		07/24/24 05:30	07/27/24 12:08	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.0018	0.00045	ug/L		07/24/24 05:30	07/27/24 12:08	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.0018	0.00045	ug/L		07/24/24 05:30	07/27/24 12:08	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.0018	0.00045	ug/L		07/24/24 05:30	07/27/24 12:08	1
Hexafluoropropylene oxide dimer acid (HFPO DA)	ND		0.0018	0.00045	ug/L		07/24/24 05:30	07/27/24 12:08	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.0018	0.00045	ug/L		07/24/24 05:30	07/27/24 12:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFHxA	*100*		*70 - 130*	*07/24/24 05:30*	*07/27/24 12:08*	*1*
13C2 PFDA	*103*		*70 - 130*	*07/24/24 05:30*	*07/27/24 12:08*	*1*
d5-NEtFOSAA	*86*		*70 - 130*	*07/24/24 05:30*	*07/27/24 12:08*	*1*
13C3 HFPO-DA	*90*		*70 - 130*	*07/24/24 05:30*	*07/27/24 12:08*	*1*

Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	ND		20	1.6	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-2	ND		200	1.5	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-3	ND		61	1.5	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-4	ND		41	7.9	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-5	ND		200	11	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-6	ND		200	9.5	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-7	ND		200	10	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-8	ND		200	9.2	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-9	ND		200	10	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-10	ND		200	5.3	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-11	ND		200	11	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-12	ND		410	11	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-13	ND		410	11	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-14	ND		200	10	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-15	ND		41	8.4	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-16	ND		200	2.8	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-17	ND		200	2.6	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-18	ND		410	1.8	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-19	ND		20	3.1	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-20	ND		410	2.8	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-21	ND		410	3.1	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-22	ND		200	2.8	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-23	ND		200	3.1	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-24	ND		200	1.9	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-25	ND		200	2.6	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-26	ND		410	2.9	pg/L		07/30/24 09:07	08/02/24 08:32	1

Client: Daniel B. Stephens & Associates Inc.
Project/Site: CMC

Job ID: 885-8362-1

Client Sample ID: RG-South-20240719
Date Collected: 07/19/24 11:45
Date Received: 07/19/24 13:27

Lab Sample ID: 885-8362-1
Matrix: Water

Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-27	ND		200	1.7	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-28	ND		410	2.8	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-29	ND		410	2.9	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-30	ND		410	1.8	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-31	ND		200	2.8	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-32	ND		200	1.8	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-33	ND		410	3.1	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-34	ND		200	2.9	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-35	ND		200	2.9	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-36	ND		200	3.0	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-37	ND		20	2.7	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-38	ND		200	3.1	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-39	ND		200	2.8	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-40	ND		410	1.0	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-41	ND		200	1.4	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-42	ND		200	1.2	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-43	ND		200	1.2	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-44	7.0	J B	610	1.0	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-45	ND		410	1.2	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-46	ND		200	1.4	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-47	7.0	J B	610	1.0	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-48	ND		200	1.2	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-49	ND		410	0.94	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-50	ND		410	1.2	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-51	ND		410	1.2	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-52	ND		200	1.0	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-53	ND		410	1.2	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-54	ND		20	0.56	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-55	ND		200	1.1	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-56	ND		200	1.1	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-57	ND		200	1.3	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-58	ND		200	1.0	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-59	ND		610	0.87	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-60	ND		200	1.3	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-61	6.1	J	820	1.2	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-62	ND		610	0.87	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-63	ND		200	1.3	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-64	ND		200	0.87	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-65	7.0	J B	610	1.0	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-66	ND		200	1.1	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-67	ND		200	1.1	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-68	ND		200	1.1	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-69	ND		410	0.94	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-70	6.1	J	820	1.2	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-71	ND		410	1.0	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-72	ND		200	1.3	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-73	ND		200	0.78	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-74	6.1	J	820	1.2	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-75	ND		610	0.87	pg/L		07/30/24 09:07	08/02/24 08:32	1

Client: Daniel B. Stephens & Associates Inc.
Project/Site: CMC

Job ID: 885-8362-1

Client Sample ID: RG-South-20240719
Date Collected: 07/19/24 11:45
Date Received: 07/19/24 13:27

Lab Sample ID: 885-8362-1
Matrix: Water

Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-76	6.1	J	820	1.2	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-77	ND		20	1.4	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-78	ND		200	1.3	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-79	ND		200	1.1	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-80	ND		200	1.1	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-81	ND		20	1.5	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-82	ND		200	1.6	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-83	ND		410	1.4	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-84	ND		200	1.7	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-85	ND		610	1.2	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-86	ND		1200	1.2	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-87	ND		1200	1.2	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-88	ND		410	1.5	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-89	ND		200	1.6	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-90	6.0	J	610	1.3	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-91	ND		410	1.5	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-92	ND		200	1.5	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-93	ND		410	1.5	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-94	ND		200	1.6	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-95	4.7	J	200	1.5	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-96	ND		200	0.62	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-97	ND		1200	1.2	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-98	ND		410	1.5	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-99	ND		410	1.4	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-100	ND		410	1.5	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-101	6.0	J	610	1.3	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-102	ND		410	1.5	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-103	ND		200	1.4	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-104	ND		20	0.71	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-105	ND		20	1.0	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-106	ND		200	1.2	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-107	ND		200	0.88	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-108	ND		410	1.1	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-109	ND		1200	1.2	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-110	6.7	J q	410	1.1	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-111	ND		200	1.1	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-112	ND		200	0.97	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-113	6.0	J	610	1.3	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-114	ND		20	1.2	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-115	6.7	J q	410	1.1	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-116	ND		610	1.2	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-117	ND		610	1.2	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-118	4.2	J q	20	1.0	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-119	ND		1200	1.2	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-120	ND		200	0.86	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-121	ND		200	0.95	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-122	ND		200	1.2	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-123	ND		20	1.2	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-124	ND		410	1.1	pg/L		07/30/24 09:07	08/02/24 08:32	1

Client: Daniel B. Stephens & Associates Inc.
Project/Site: CMC

Job ID: 885-8362-1

Client Sample ID: RG-South-20240719
Date Collected: 07/19/24 11:45
Date Received: 07/19/24 13:27

Lab Sample ID: 885-8362-1
Matrix: Water

Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-125	ND		1200	1.2	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-126	ND		20	1.2	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-127	ND		200	1.1	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-128	ND		410	0.75	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-129	9.3	J	820	0.77	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-130	ND		200	0.99	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-131	ND		200	0.93	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-132	ND		200	0.93	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-133	ND		200	0.95	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-134	ND		410	0.94	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-135	3.5	J	410	0.84	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-136	ND		200	0.63	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-137	ND		200	0.75	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-138	9.3	J	820	0.77	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-139	ND		410	0.83	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-140	ND		410	0.83	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-141	ND		200	0.97	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-142	ND		200	1.0	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-143	ND		410	0.94	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-144	ND		200	0.81	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-145	ND		200	0.65	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-146	ND		200	0.65	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-147	7.7	J	410	0.80	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-148	ND		200	0.85	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-149	7.7	J	410	0.80	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-150	ND		200	0.66	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-151	3.5	J	410	0.84	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-152	ND		200	0.63	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-153	6.8	J q	410	0.63	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-154	ND		200	0.82	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-155	ND		20	0.67	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-156	ND		41	0.63	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-157	ND		41	0.63	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-158	ND		200	0.60	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-159	ND		200	0.41	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-160	9.3	J	820	0.77	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-161	ND		200	0.78	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-162	ND		200	0.48	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-163	9.3	J	820	0.77	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-164	ND		200	0.86	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-165	ND		200	0.69	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-166	ND		410	0.75	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-167	ND		20	0.40	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-168	6.8	J q	410	0.63	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-169	ND		20	0.47	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-170	ND		200	0.90	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-171	ND		410	0.92	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-172	ND		200	0.93	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-173	ND		410	0.92	pg/L		07/30/24 09:07	08/02/24 08:32	1

Client: Daniel B. Stephens & Associates Inc.
Job ID: 885-8362-1
Project/Site: CMC

Client Sample ID: RG-South-20240719
Lab Sample ID: 885-8362-1
Date Collected: 07/19/24 11:45
Matrix: Water
Date Received: 07/19/24 13:27

Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-174	ND		200	0.96	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-175	ND		200	0.52	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-176	ND		200	0.41	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-177	ND		200	0.82	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-178	ND		200	0.54	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-179	ND		200	0.36	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-180	9.5	J q	410	0.72	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-181	ND		200	0.86	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-182	ND		200	0.54	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-183	ND		200	0.71	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-184	ND		200	0.37	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-185	ND		200	0.94	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-186	ND		200	0.33	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-187	ND		200	0.43	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-188	ND		20	0.35	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-189	ND		20	0.51	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-190	ND		200	0.60	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-191	ND		200	0.64	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-192	ND		200	0.63	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-193	9.5	J q	410	0.72	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-194	ND		200	0.66	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-195	ND		200	0.72	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-196	ND		200	0.99	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-197	ND		200	0.64	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-198	3.2	J	410	0.94	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-199	3.2	J	410	0.94	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-200	ND		200	0.89	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-201	ND		200	0.77	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-202	ND		20	0.67	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-203	ND		200	0.90	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-204	ND		200	0.76	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-205	ND		20	0.73	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-206	ND		20	3.0	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-207	ND		200	2.0	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-208	ND		20	2.0	pg/L		07/30/24 09:07	08/02/24 08:32	1
PCB-209	ND		20	0.40	pg/L		07/30/24 09:07	08/02/24 08:32	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*67*		*15 - 150*	*07/30/24 09:07*	*08/02/24 08:32*	*1*
PCB-3L	*67*		*15 - 150*	*07/30/24 09:07*	*08/02/24 08:32*	*1*
PCB-4L	*68*		*25 - 150*	*07/30/24 09:07*	*08/02/24 08:32*	*1*
PCB-15L	*81*		*25 - 150*	*07/30/24 09:07*	*08/02/24 08:32*	*1*
PCB-19L	*67*		*25 - 150*	*07/30/24 09:07*	*08/02/24 08:32*	*1*
PCB-37L	*96*		*25 - 150*	*07/30/24 09:07*	*08/02/24 08:32*	*1*
PCB-54L	*64*		*25 - 150*	*07/30/24 09:07*	*08/02/24 08:32*	*1*
PCB-77L	*100*		*25 - 150*	*07/30/24 09:07*	*08/02/24 08:32*	*1*
PCB-81L	*92*		*25 - 150*	*07/30/24 09:07*	*08/02/24 08:32*	*1*
PCB-104L	*54*		*25 - 150*	*07/30/24 09:07*	*08/02/24 08:32*	*1*
PCB-105L	*90*		*25 - 150*	*07/30/24 09:07*	*08/02/24 08:32*	*1*
PCB-114L	*86*		*25 - 150*	*07/30/24 09:07*	*08/02/24 08:32*	*1*

Client Sample ID: RG-South-20240719
Date Collected: 07/19/24 11:45
Date Received: 07/19/24 13:27

Lab Sample ID: 885-8362-1
Matrix: Water

Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-118L	89		25 - 150	07/30/24 09:07	08/02/24 08:32	1
PCB-123L	87		25 - 150	07/30/24 09:07	08/02/24 08:32	1
PCB-126L	90		25 - 150	07/30/24 09:07	08/02/24 08:32	1
PCB-155L	62		25 - 150	07/30/24 09:07	08/02/24 08:32	1
PCB-156L	97		25 - 150	07/30/24 09:07	08/02/24 08:32	1
PCB-156L/157L	97		25 - 150	07/30/24 09:07	08/02/24 08:32	1
PCB-157L	97		25 - 150	07/30/24 09:07	08/02/24 08:32	1
PCB-167L	97		25 - 150	07/30/24 09:07	08/02/24 08:32	1
PCB-169L	97		25 - 150	07/30/24 09:07	08/02/24 08:32	1
PCB-188L	71		25 - 150	07/30/24 09:07	08/02/24 08:32	1
PCB-189L	85		25 - 150	07/30/24 09:07	08/02/24 08:32	1
PCB-202L	74		25 - 150	07/30/24 09:07	08/02/24 08:32	1
PCB-205L	94		25 - 150	07/30/24 09:07	08/02/24 08:32	1
PCB-206L	95		25 - 150	07/30/24 09:07	08/02/24 08:32	1
PCB-208L	82		25 - 150	07/30/24 09:07	08/02/24 08:32	1
PCB-209L	116		25 - 150	07/30/24 09:07	08/02/24 08:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	102		30 - 135	07/30/24 09:07	08/02/24 08:32	1
PCB-111L	106		30 - 135	07/30/24 09:07	08/02/24 08:32	1
PCB-178L	127		30 - 135	07/30/24 09:07	08/02/24 08:32	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**49**		5.0	0.27	mg/L		07/22/24 10:41	07/24/24 10:15	5
Magnesium	**8.0**		5.0	0.17	mg/L		07/22/24 10:41	07/24/24 10:15	5

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.00050	0.000083	mg/L			07/26/24 10:29	1
Copper	**0.0013**		0.00050	0.00012	mg/L			07/26/24 10:29	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**160**		6.6	2.5	mg/L			07/25/24 10:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease) (1664B)	ND		5.0	4.4	mg/L			08/09/24 09:50	1
Total Dissolved Solids (SM 2540C)	**320**		50	25	mg/L			07/25/24 08:48	1
Nitrogen, Total Kjeldahl (EPA 351.2)	**0.74**		0.50	0.50	mg/L		07/22/24 10:30	07/24/24 14:51	1
Total Phosphorus as P (EPA 365.1)	**0.54**		0.10	0.10	mg/L		07/22/24 09:49	07/23/24 12:13	1
Chemical Oxygen Demand (SM 5220D)	**75**		50	50	mg/L			07/31/24 15:01	1
Total Suspended Solids (SM 2540D)	**42**		4.0	4.0	mg/L			07/23/24 12:52	1
pH (SM 4500 H+ B)	**8.2**	**HF**	0.1	0.1	SU			07/23/24 16:15	1
Ammonia (SM 4500 NH3 C)	ND		0.67	0.28	mg/L		07/25/24 11:04	07/25/24 14:50	1
Biochemical Oxygen Demand (SM5210B)	ND	*-	2.0	2.0	mg/L			07/19/24 15:58	1

Client: Daniel B. Stephens & Associates Inc.
Project/Site: CMC

Job ID: 885-8362-1

Client Sample ID: RG-South-20240719
Date Collected: 07/19/24 11:45
Date Received: 07/19/24 13:27

Lab Sample ID: 885-8362-1
Matrix: Water

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphorus as P (EPA 365.1)	0.47		0.10	0.10	mg/L		07/30/24 08:10	07/31/24 09:54	1

Method: EPA 900.0 - Gross Alpha and Gross Beta Radioactivity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	2.36	U G	2.36	2.37	3.00	3.75	pCi/L	07/24/24 09:30	08/05/24 14:40	1
Gross Beta	20.5		2.01	2.87	4.00	1.52	pCi/L	07/24/24 09:30	08/05/24 14:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	228.2		1.0	1.0	MPN/100mL			07/19/24 17:45	1

Client: Daniel B. Stephens & Associates Inc.
Project/Site: CMC

Job ID: 885-8362-1

Client Sample ID: RG-South-BLK-20240719
Date Collected: 07/19/24 11:45
Date Received: 07/19/24 13:27

Lab Sample ID: 885-8362-2
Matrix: Water

Method: EPA 537.1 - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	0.0017		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 12:16	1
Perfluoroheptanoic acid (PFHpA)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 12:16	1
Perfluorooctanoic acid (PFOA)	0.0015	J	0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 12:16	1
Perfluorononanoic acid (PFNA)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 12:16	1
Perfluorodecanoic acid (PFDA)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 12:16	1
Perfluoroundecanoic acid (PFUnA)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 12:16	1
Perfluorododecanoic acid (PFDoA)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 12:16	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 12:16	1
Perfluorotetradecanoic acid (PFTA)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 12:16	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 12:16	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 12:16	1
Perfluorooctanesulfonic acid (PFOS)	0.0014	J	0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 12:16	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 12:16	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 12:16	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 12:16	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 12:16	1
Hexafluoropropylene oxide dimer acid (HFPO DA)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 12:16	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 12:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFHxA	*86*		*70 - 130*	*07/24/24 05:30*	*07/27/24 12:16*	*1*
13C2 PFDA	*102*		*70 - 130*	*07/24/24 05:30*	*07/27/24 12:16*	*1*
d5-NEtFOSAA	*84*		*70 - 130*	*07/24/24 05:30*	*07/27/24 12:16*	*1*
13C3 HFPO-DA	*83*		*70 - 130*	*07/24/24 05:30*	*07/27/24 12:16*	*1*

Client: Daniel B. Stephens & Associates Inc.
Project/Site: CMC

Job ID: 885-8362-1

Client Sample ID: RG-North-20240717
Date Collected: 07/17/24 12:30
Date Received: 07/19/24 13:27

Lab Sample ID: 885-8362-3
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	ND		0.010	0.0018	mg/L			07/31/24 12:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*63 - 144*		*07/31/24 12:18*	*1*
4-Bromofluorobenzene (Surr)	*99*		*74 - 124*		*07/31/24 12:18*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 131*		*07/31/24 12:18*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*07/31/24 12:18*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		0.12	0.0096	ug/L		07/24/24 14:59	07/31/24 10:27	1
Benzo[a]pyrene	ND		0.12	0.010	ug/L		07/24/24 14:59	07/31/24 10:27	1
Benzo[b]fluoranthene	ND		0.58	0.067	ug/L		07/24/24 14:59	07/31/24 10:27	1
Benzo[k]fluoranthene	ND		0.58	0.048	ug/L		07/24/24 14:59	07/31/24 10:27	1
Chrysene	ND		0.58	0.082	ug/L		07/24/24 14:59	07/31/24 10:27	1
Dibenz(a,h)anthracene	ND		0.12	0.051	ug/L		07/24/24 14:59	07/31/24 10:27	1
Dibenzofuran	ND		0.58	0.11	ug/L		07/24/24 14:59	07/31/24 10:27	1
Indeno[1,2,3-cd]pyrene	ND		0.58	0.10	ug/L		07/24/24 14:59	07/31/24 10:27	1
Benzidine	ND		1.2	0.091	ug/L		07/24/24 14:59	07/31/24 10:27	1
Bis(2-ethylhexyl) phthalate	ND	*+	2.9	1.4	ug/L		07/24/24 14:59	07/31/24 10:27	1
Pentachlorophenol	ND		1.2	1.0	ug/L		07/24/24 14:59	07/31/24 10:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*116*		*43 - 130*	*07/24/24 14:59*	*07/31/24 10:27*	*1*
Nitrobenzene-d5 (Surr)	*115*		*37 - 133*	*07/24/24 14:59*	*07/31/24 10:27*	*1*
p-Terphenyl-d14 (Surr)	*113*		*47 - 130*	*07/24/24 14:59*	*07/31/24 10:27*	*1*
2,4,6-Tribromophenol (Surr)	*95*		*35 - 130*	*07/24/24 14:59*	*07/31/24 10:27*	*1*

Method: EPA 608.3 - Organochlorine Pesticides/PCBs in Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	ND		0.000052	0.000018	mg/L		07/23/24 20:02	07/24/24 14:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*65*		*45 - 115*	*07/23/24 20:02*	*07/24/24 14:42*	*1*
Tetrachloro-m-xylene	*112*	*S1+*	*41 - 110*	*07/23/24 20:02*	*07/24/24 14:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	**0.56**	**J**	1.0	0.11	mg/L			07/24/24 11:46	5

Method: EPA 537.1 - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 11:46	1
Perfluoroheptanoic acid (PFHpA)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 11:46	1
Perfluorooctanoic acid (PFOA)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 11:46	1
Perfluorononanoic acid (PFNA)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 11:46	1
Perfluorodecanoic acid (PFDA)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 11:46	1
Perfluoroundecanoic acid (PFUnA)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 11:46	1
Perfluorododecanoic acid (PFDoA)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 11:46	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 11:46	1
Perfluorotetradecanoic acid (PFTA)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 11:46	1

Client: Daniel B. Stephens & Associates Inc.
Project/Site: CMC

Job ID: 885-8362-1

Client Sample ID: RG-North-20240717
Date Collected: 07/17/24 12:30
Date Received: 07/19/24 13:27

Lab Sample ID: 885-8362-3
Matrix: Water

Method: EPA 537.1 - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 11:46	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 11:46	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 11:46	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 11:46	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 11:46	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 11:46	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 11:46	1
Hexafluoropropylene oxide dimer acid (HFPO DA)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 11:46	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 11:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFHxA	*86*		*70 - 130*	*07/24/24 05:30*	*07/27/24 11:46*	*1*
13C2 PFDA	*101*		*70 - 130*	*07/24/24 05:30*	*07/27/24 11:46*	*1*
d5-NEtFOSAA	*83*		*70 - 130*	*07/24/24 05:30*	*07/27/24 11:46*	*1*
13C3 HFPO-DA	*81*		*70 - 130*	*07/24/24 05:30*	*07/27/24 11:46*	*1*

Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	ND		23	1.5	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-2	ND		230	1.5	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-3	ND		69	1.5	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-4	ND		46	6.7	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-5	ND		230	13	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-6	ND		230	12	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-7	ND		230	13	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-8	ND		230	11	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-9	ND		230	12	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-10	ND		230	4.9	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-11	ND		230	13	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-12	ND		460	13	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-13	ND		460	13	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-14	ND		230	13	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-15	ND		46	11	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-16	ND		230	3.7	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-17	ND		230	3.5	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-18	ND		460	2.4	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-19	ND		23	3.5	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-20	ND		460	3.5	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-21	ND		460	3.7	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-22	ND		230	3.4	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-23	ND		230	3.7	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-24	ND		230	2.6	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-25	ND		230	3.2	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-26	ND		460	3.5	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-27	ND		230	2.3	pg/L		07/30/24 09:07	08/02/24 09:34	1

Client: Daniel B. Stephens & Associates Inc.
Project/Site: CMC

Job ID: 885-8362-1

Client Sample ID: RG-North-20240717
Date Collected: 07/17/24 12:30
Date Received: 07/19/24 13:27

Lab Sample ID: 885-8362-3
Matrix: Water

Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-28	ND		460	3.5	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-29	ND		460	3.5	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-30	ND		460	2.4	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-31	ND		230	3.4	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-32	ND		230	2.4	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-33	ND		460	3.7	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-34	ND		230	3.5	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-35	ND		230	3.5	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-36	ND		230	3.7	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-37	ND		23	3.6	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-38	ND		230	3.8	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-39	ND		230	3.4	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-40	ND		460	1.2	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-41	ND		230	1.6	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-42	ND		230	1.3	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-43	ND		230	1.3	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-44	17	J B	690	1.1	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-45	ND		460	1.3	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-46	ND		230	1.6	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-47	17	J B	690	1.1	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-48	ND		230	1.3	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-49	4.7	J	460	1.1	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-50	ND		460	1.3	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-51	ND		460	1.3	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-52	12	J	230	1.2	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-53	ND		460	1.3	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-54	ND		23	0.59	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-55	ND		230	1.5	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-56	ND		230	1.5	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-57	ND		230	1.7	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-58	ND		230	1.4	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-59	ND		690	0.98	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-60	ND		230	1.7	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-61	9.9	J q	910	1.6	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-62	ND		690	0.98	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-63	ND		230	1.8	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-64	ND		230	0.98	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-65	17	J B	690	1.1	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-66	ND		230	1.5	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-67	ND		230	1.5	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-68	ND		230	1.5	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-69	4.7	J	460	1.1	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-70	9.9	J q	910	1.6	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-71	ND		460	1.2	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-72	ND		230	1.8	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-73	ND		230	0.88	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-74	9.9	J q	910	1.6	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-75	ND		690	0.98	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-76	9.9	J q	910	1.6	pg/L		07/30/24 09:07	08/02/24 09:34	1

Client: Daniel B. Stephens & Associates Inc.
Project/Site: CMC

Job ID: 885-8362-1

Client Sample ID: RG-North-20240717
Date Collected: 07/17/24 12:30
Date Received: 07/19/24 13:27

Lab Sample ID: 885-8362-3
Matrix: Water

Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-77	ND		23	1.8	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-78	ND		230	1.8	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-79	ND		230	1.5	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-80	ND		230	1.5	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-81	ND		23	2.2	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-82	ND		230	4.5	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-83	ND		460	4.2	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-84	ND		230	4.9	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-85	ND		690	3.4	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-86	ND		1400	3.6	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-87	ND		1400	3.6	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-88	ND		460	4.5	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-89	ND		230	4.6	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-90	30	J	690	3.8	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-91	ND		460	4.5	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-92	ND		230	4.3	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-93	ND		460	4.3	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-94	ND		230	4.7	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-95	21	J	230	4.4	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-96	ND		230	1.1	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-97	ND		1400	3.6	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-98	ND		460	4.4	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-99	ND		460	4.2	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-100	ND		460	4.3	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-101	30	J	690	3.8	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-102	ND		460	4.4	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-103	ND		230	4.1	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-104	ND		23	1.3	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-105	ND		23	2.9	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-106	ND		230	3.6	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-107	ND		230	2.6	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-108	ND		460	3.2	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-109	ND		1400	3.6	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-110	30	J	460	3.2	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-111	ND		230	3.2	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-112	ND		230	2.8	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-113	30	J	690	3.8	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-114	ND		23	3.4	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-115	30	J	460	3.2	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-116	ND		690	3.4	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-117	ND		690	3.4	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-118	18	J	23	3.0	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-119	ND		1400	3.6	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-120	ND		230	2.5	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-121	ND		230	2.8	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-122	ND		230	3.5	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-123	ND		23	3.6	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-124	ND		460	3.2	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-125	ND		1400	3.6	pg/L		07/30/24 09:07	08/02/24 09:34	1

Client: Daniel B. Stephens & Associates Inc.
Project/Site: CMC

Job ID: 885-8362-1

Client Sample ID: RG-North-20240717
Date Collected: 07/17/24 12:30
Date Received: 07/19/24 13:27

Lab Sample ID: 885-8362-3
Matrix: Water

Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-126	ND		23	3.3	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-127	ND		230	3.2	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-128	ND		460	0.92	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-129	43	J q	910	0.94	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-130	ND		230	1.2	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-131	ND		230	1.1	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-132	13	J	230	1.1	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-133	ND		230	1.2	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-134	ND		460	1.2	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-135	19	J	460	1.0	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-136	5.1	J	230	0.78	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-137	ND		230	0.92	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-138	43	J q	910	0.94	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-139	ND		460	1.0	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-140	ND		460	1.0	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-141	9.5	J q	230	1.2	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-142	ND		230	1.2	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-143	ND		460	1.2	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-144	ND		230	0.99	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-145	ND		230	0.80	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-146	4.6	J	230	0.80	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-147	36	J	460	0.98	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-148	ND		230	1.0	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-149	36	J	460	0.98	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-150	ND		230	0.82	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-151	19	J	460	1.0	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-152	ND		230	0.78	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-153	40	J	460	0.78	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-154	ND		230	1.0	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-155	ND		23	0.81	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-156	ND		46	0.68	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-157	ND		46	0.68	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-158	5.2	J	230	0.74	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-159	ND		230	0.43	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-160	43	J q	910	0.94	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-161	ND		230	0.96	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-162	ND		230	0.49	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-163	43	J q	910	0.94	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-164	6.6	J	230	1.1	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-165	ND		230	0.85	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-166	ND		460	0.92	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-167	ND		23	0.41	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-168	40	J	460	0.78	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-169	ND		23	0.45	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-170	19	J	230	0.95	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-171	ND		460	0.97	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-172	ND		230	0.98	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-173	ND		460	0.97	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-174	23	J	230	1.0	pg/L		07/30/24 09:07	08/02/24 09:34	1

Client: Daniel B. Stephens & Associates Inc.
Project/Site: CMC

Job ID: 885-8362-1

Client Sample ID: RG-North-20240717
Date Collected: 07/17/24 12:30
Date Received: 07/19/24 13:27

Lab Sample ID: 885-8362-3
Matrix: Water

Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-175	ND		230	0.58	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-176	ND		230	0.46	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-177	ND		230	0.86	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-178	ND		230	0.61	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-179	ND		230	0.40	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-180	43	J	460	0.76	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-181	ND		230	0.91	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-182	ND		230	0.60	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-183	ND		230	0.75	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-184	ND		230	0.42	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-185	ND		230	0.99	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-186	ND		230	0.37	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-187	21	J	230	0.48	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-188	ND		23	0.38	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-189	ND		23	0.47	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-190	ND		230	0.63	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-191	ND		230	0.68	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-192	ND		230	0.67	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-193	43	J	460	0.76	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-194	ND		230	0.55	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-195	ND		230	0.60	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-196	5.1	J	230	0.67	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-197	ND		230	0.43	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-198	6.3	J q	460	0.63	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-199	6.3	J q	460	0.63	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-200	ND		230	0.60	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-201	ND		230	0.52	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-202	ND		23	0.43	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-203	4.2	J q	230	0.60	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-204	ND		230	0.51	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-205	ND		23	0.66	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-206	ND		23	3.6	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-207	ND		230	2.2	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-208	ND		23	2.1	pg/L		07/30/24 09:07	08/02/24 09:34	1
PCB-209	ND		23	0.53	pg/L		07/30/24 09:07	08/02/24 09:34	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*76*		*15 - 150*	*07/30/24 09:07*	*08/02/24 09:34*	*1*
PCB-3L	*75*		*15 - 150*	*07/30/24 09:07*	*08/02/24 09:34*	*1*
PCB-4L	*79*		*25 - 150*	*07/30/24 09:07*	*08/02/24 09:34*	*1*
PCB-15L	*79*		*25 - 150*	*07/30/24 09:07*	*08/02/24 09:34*	*1*
PCB-19L	*76*		*25 - 150*	*07/30/24 09:07*	*08/02/24 09:34*	*1*
PCB-37L	*89*		*25 - 150*	*07/30/24 09:07*	*08/02/24 09:34*	*1*
PCB-54L	*69*		*25 - 150*	*07/30/24 09:07*	*08/02/24 09:34*	*1*
PCB-77L	*92*		*25 - 150*	*07/30/24 09:07*	*08/02/24 09:34*	*1*
PCB-81L	*79*		*25 - 150*	*07/30/24 09:07*	*08/02/24 09:34*	*1*
PCB-104L	*52*		*25 - 150*	*07/30/24 09:07*	*08/02/24 09:34*	*1*
PCB-105L	*82*		*25 - 150*	*07/30/24 09:07*	*08/02/24 09:34*	*1*
PCB-114L	*82*		*25 - 150*	*07/30/24 09:07*	*08/02/24 09:34*	*1*
PCB-118L	*82*		*25 - 150*	*07/30/24 09:07*	*08/02/24 09:34*	*1*

Client: Daniel B. Stephens & Associates Inc.
Project/Site: CMC

Job ID: 885-8362-1

Client Sample ID: RG-North-20240717
Date Collected: 07/17/24 12:30
Date Received: 07/19/24 13:27

Lab Sample ID: 885-8362-3
Matrix: Water

Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-123L	81		25 - 150	07/30/24 09:07	08/02/24 09:34	1
PCB-126L	88		25 - 150	07/30/24 09:07	08/02/24 09:34	1
PCB-155L	70		25 - 150	07/30/24 09:07	08/02/24 09:34	1
PCB-156L	101		25 - 150	07/30/24 09:07	08/02/24 09:34	1
PCB-156L/157L	101		25 - 150	07/30/24 09:07	08/02/24 09:34	1
PCB-157L	101		25 - 150	07/30/24 09:07	08/02/24 09:34	1
PCB-167L	101		25 - 150	07/30/24 09:07	08/02/24 09:34	1
PCB-169L	104		25 - 150	07/30/24 09:07	08/02/24 09:34	1
PCB-188L	78		25 - 150	07/30/24 09:07	08/02/24 09:34	1
PCB-189L	84		25 - 150	07/30/24 09:07	08/02/24 09:34	1
PCB-202L	77		25 - 150	07/30/24 09:07	08/02/24 09:34	1
PCB-205L	88		25 - 150	07/30/24 09:07	08/02/24 09:34	1
PCB-206L	85		25 - 150	07/30/24 09:07	08/02/24 09:34	1
PCB-208L	82		25 - 150	07/30/24 09:07	08/02/24 09:34	1
PCB-209L	102		25 - 150	07/30/24 09:07	08/02/24 09:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	112		30 - 135	07/30/24 09:07	08/02/24 09:34	1
PCB-111L	105		30 - 135	07/30/24 09:07	08/02/24 09:34	1
PCB-178L	129		30 - 135	07/30/24 09:07	08/02/24 09:34	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**39**		5.0	0.27	mg/L		07/22/24 10:41	07/24/24 10:19	5
Magnesium	**6.8**		5.0	0.17	mg/L		07/22/24 10:41	07/24/24 10:19	5

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.000091**	**J**	0.00050	0.000083	mg/L			07/26/24 10:32	1
Copper	**0.00078**		0.00050	0.00012	mg/L			07/26/24 10:32	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**130**		6.6	2.5	mg/L			07/25/24 10:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease) (1664B)	ND		9.8	8.7	mg/L			08/09/24 09:50	1
Total Dissolved Solids (SM 2540C)	**190**		100	50	mg/L			07/24/24 11:30	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		1.3	1.3	mg/L		07/30/24 12:17	08/02/24 14:04	1
Total Phosphorus as P (EPA 365.1)	**0.12**		0.050	0.050	mg/L		07/22/24 09:49	07/23/24 12:15	1
Chemical Oxygen Demand (SM 5220D)	ND	H	1300	1300	mg/L			08/27/24 14:32	1
Total Suspended Solids (SM 2540D)	**29**		4.0	4.0	mg/L			07/23/24 12:52	1
pH (SM 4500 H+ B)	**8.4**	**HF**	0.1	0.1	SU			07/23/24 16:19	1
Ammonia (SM 4500 NH3 C)	ND		0.67	0.28	mg/L		07/25/24 11:04	07/25/24 14:50	1
Biochemical Oxygen Demand (SM5210B)	**<2.0**	**H H3 *-**	2.0	2.0	mg/L			07/19/24 15:58	1

Client: Daniel B. Stephens & Associates Inc.
Project/Site: CMC

Job ID: 885-8362-1

Client Sample ID: RG-North-20240717
Date Collected: 07/17/24 12:30
Date Received: 07/19/24 13:27

Lab Sample ID: 885-8362-3
Matrix: Water

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphorus as P (EPA 365.1)	0.069		0.050	0.050	mg/L		07/22/24 09:49	07/23/24 12:17	1

Method: EPA 900.0 - Gross Alpha and Gross Beta Radioactivity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	2.99		1.84	1.87	3.00	2.56	pCi/L	07/24/24 09:30	08/05/24 14:40	1
Gross Beta	3.77		0.884	0.961	4.00	1.00	pCi/L	07/24/24 09:30	08/05/24 14:40	1

Client: Daniel B. Stephens & Associates Inc.
Project/Site: CMC

Job ID: 885-8362-1

Client Sample ID: EquipBlank-20240717;PFAS
Date Collected: 07/17/24 12:45
Date Received: 07/19/24 13:27

Lab Sample ID: 885-8362-4
Matrix: Water

Method: EPA 537.1 - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 11:53	1
Perfluoroheptanoic acid (PFHpA)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 11:53	1
Perfluorooctanoic acid (PFOA)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 11:53	1
Perfluorononanoic acid (PFNA)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 11:53	1
Perfluorodecanoic acid (PFDA)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 11:53	1
Perfluoroundecanoic acid (PFUnA)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 11:53	1
Perfluorododecanoic acid (PFDoA)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 11:53	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 11:53	1
Perfluorotetradecanoic acid (PFTA)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 11:53	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 11:53	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 11:53	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 11:53	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 11:53	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 11:53	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 11:53	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 11:53	1
Hexafluoropropylene oxide dimer acid (HFPO DA)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 11:53	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.0017	0.00043	ug/L		07/24/24 05:30	07/27/24 11:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFHxA	*106*		*70 - 130*	*07/24/24 05:30*	*07/27/24 11:53*	*1*
13C2 PFDA	*109*		*70 - 130*	*07/24/24 05:30*	*07/27/24 11:53*	*1*
d5-NEtFOSAA	*90*		*70 - 130*	*07/24/24 05:30*	*07/27/24 11:53*	*1*
13C3 HFPO-DA	*95*		*70 - 130*	*07/24/24 05:30*	*07/27/24 11:53*	*1*

Client: Daniel B. Stephens & Associates Inc.
Project/Site: CMC

Job ID: 885-8362-1

Client Sample ID: Trip Blank
Date Collected: 07/17/24 00:00
Date Received: 07/19/24 13:27

Lab Sample ID: 885-8362-5
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	ND		0.010	0.0018	mg/L			07/31/24 03:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*63 - 144*		*07/31/24 03:08*	*1*
4-Bromofluorobenzene (Surr)	*100*		*74 - 124*		*07/31/24 03:08*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 131*		*07/31/24 03:08*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*07/31/24 03:08*	*1*

Isotope Dilution Summary

Client: Daniel B. Stephens & Associates Inc.
Project/Site: CMC

Job ID: 885-8362-1

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB1L	PCB3L	PCB4L	PCB15L	PCB19L	PCB37L	PCB54L	PCB77L
Lab Sample ID	Client Sample ID	(15-150)	(15-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)
885-8362-1	RG-South-20240719	67	67	68	81	67	96	64	100
885-8362-3	RG-North-20240717	76	75	79	79	76	89	69	92
MB 320-785897/1-A	Method Blank	80	79	84	92	85	105	96	104

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB81L	PCB104L	PCB105L	PCB114L	PCB118L	PCB123L	PCB126L	PCB155L
Lab Sample ID	Client Sample ID	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)
885-8362-1	RG-South-20240719	92	54	90	86	89	87	90	62
885-8362-3	RG-North-20240717	79	52	82	82	82	81	88	70
MB 320-785897/1-A	Method Blank	104	83	95	93	92	92	98	84

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB156L	156157L	PCB157L	PCB167L	PCB169L	PCB188L	PCB189L	PCB202L
Lab Sample ID	Client Sample ID	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)
885-8362-1	RG-South-20240719	97	97	97	97	97	71	85	74
885-8362-3	RG-North-20240717	101	101	101	101	104	78	84	77
MB 320-785897/1-A	Method Blank	102	102	102	101	104	87	78	72

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB205L	PCB206L	PCB208L	PCB209L				
Lab Sample ID	Client Sample ID	(25-150)	(25-150)	(25-150)	(25-150)				
885-8362-1	RG-South-20240719	94	95	82	116				
885-8362-3	RG-North-20240717	88	85	82	102				
MB 320-785897/1-A	Method Blank	81	74	67	85				

Surrogate Legend

PCB1L = PCB-1L
PCB3L = PCB-3L
PCB4L = PCB-4L
PCB15L = PCB-15L
PCB19L = PCB-19L
PCB37L = PCB-37L
PCB54L = PCB-54L
PCB77L = PCB-77L
PCB81L = PCB-81L
PCB104L = PCB-104L
PCB105L = PCB-105L
PCB114L = PCB-114L
PCB118L = PCB-118L
PCB123L = PCB-123L
PCB126L = PCB-126L
PCB155L = PCB-155L
PCB156L = PCB-156L
156157L = PCB-156L/157L
PCB157L = PCB-157L
PCB167L = PCB-167L
PCB169L = PCB-169L
PCB188L = PCB-188L
PCB189L = PCB-189L
PCB202L = PCB-202L
PCB205L = PCB-205L
PCB206L = PCB-206L

Client: Daniel B. Stephens & Associates Inc. Job ID: 885-8362-1
Project/Site: CMC

PCB208L = PCB-208L
PCB209L = PCB-209L

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

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

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB1L	PCB3L	PCB4L	PCB15L	PCB19L	PCB37L	PCB54L	PCB77L
Lab Sample ID	Client Sample ID	(15-140)	(15-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)
LCS 320-785897/2-A	Lab Control Sample	72	73	77	87	80	97	86	102
LCSD 320-785897/3-A	Lab Control Sample Dup	73	74	74	88	79	100	84	101

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB81L	PCB104L	PCB105L	PCB114L	PCB118L	PCB123L	PCB126L	PCB155L
Lab Sample ID	Client Sample ID	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)
LCS 320-785897/2-A	Lab Control Sample	100	77	97	93	92	93	99	73 q
LCSD 320-785897/3-A	Lab Control Sample Dup	103	89	108	105	106	103	110	86

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB156L	156157L	PCB157L	PCB167L	PCB169L	PCB188L	PCB189L	PCB202L
Lab Sample ID	Client Sample ID	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)
LCS 320-785897/2-A	Lab Control Sample	101	101	101	102	103	91	89	83
LCSD 320-785897/3-A	Lab Control Sample Dup	101	101	101	98	104	90	87	78

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB205L	PCB206L	PCB208L	PCB209L				
Lab Sample ID	Client Sample ID	(30-140)	(30-140)	(30-140)	(30-140)				
LCS 320-785897/2-A	Lab Control Sample	94	92	79	113				
LCSD 320-785897/3-A	Lab Control Sample Dup	90	88	80	103				

Surrogate Legend

PCB1L = PCB-1L
PCB3L = PCB-3L
PCB4L = PCB-4L
PCB15L = PCB-15L
PCB19L = PCB-19L
PCB37L = PCB-37L
PCB54L = PCB-54L
PCB77L = PCB-77L
PCB81L = PCB-81L
PCB104L = PCB-104L
PCB105L = PCB-105L
PCB114L = PCB-114L
PCB118L = PCB-118L
PCB123L = PCB-123L
PCB126L = PCB-126L
PCB155L = PCB-155L
PCB156L = PCB-156L
156157L = PCB-156L/157L
PCB157L = PCB-157L
PCB167L = PCB-167L
PCB169L = PCB-169L
PCB188L = PCB-188L
PCB189L = PCB-189L
PCB202L = PCB-202L
PCB205L = PCB-205L
PCB206L = PCB-206L
PCB208L = PCB-208L
PCB209L = PCB-209L

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 860-178534/10
Matrix: Water
Analysis Batch: 178534

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	ND		0.010	0.0018	mg/L			07/30/24 23:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 144*		*07/30/24 23:01*	*1*
4-Bromofluorobenzene (Surr)	*100*		*74 - 124*		*07/30/24 23:01*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 131*		*07/30/24 23:01*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*07/30/24 23:01*	*1*

Lab Sample ID: LCS 860-178534/3
Matrix: Water
Analysis Batch: 178534

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Tetrahydrofuran			0.100	0.104		mg/L		104	75 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*63 - 144*
4-Bromofluorobenzene (Surr)	*106*		*74 - 124*
Dibromofluoromethane (Surr)	*101*		*75 - 131*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: LCSD 860-178534/4
Matrix: Water
Analysis Batch: 178534

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Tetrahydrofuran			0.100	0.102		mg/L		102	75 - 125	2	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 144*
4-Bromofluorobenzene (Surr)	*107*		*74 - 124*
Dibromofluoromethane (Surr)	*100*		*75 - 131*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: MB 860-178618/9
Matrix: Water
Analysis Batch: 178618

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	ND		0.010	0.0018	mg/L			07/31/24 11:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 144*		*07/31/24 11:00*	*1*
4-Bromofluorobenzene (Surr)	*100*		*74 - 124*		*07/31/24 11:00*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 131*		*07/31/24 11:00*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*07/31/24 11:00*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 860-178618/3
Matrix: Water
Analysis Batch: 178618

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Tetrahydrofuran			0.100	0.0827		mg/L		83	75 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*63 - 144*
4-Bromofluorobenzene (Surr)	*100*		*74 - 124*
Dibromofluoromethane (Surr)	*102*		*75 - 131*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: LCSD 860-178618/4
Matrix: Water
Analysis Batch: 178618

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Tetrahydrofuran			0.100	0.0825		mg/L		82	75 - 125	0	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*63 - 144*
4-Bromofluorobenzene (Surr)	*100*		*74 - 124*
Dibromofluoromethane (Surr)	*103*		*75 - 131*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: MB 860-178791/9
Matrix: Water
Analysis Batch: 178791

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	ND		0.050	0.0092	mg/L			07/31/24 21:40	5

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*63 - 144*		*07/31/24 21:40*	*5*
4-Bromofluorobenzene (Surr)	*98*		*74 - 124*		*07/31/24 21:40*	*5*
Dibromofluoromethane (Surr)	*98*		*75 - 131*		*07/31/24 21:40*	*5*
Toluene-d8 (Surr)	*100*		*80 - 120*		*07/31/24 21:40*	*5*

Lab Sample ID: LCS 860-178791/3
Matrix: Water
Analysis Batch: 178791

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Tetrahydrofuran			0.100	0.0851		mg/L		85	75 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*63 - 144*
4-Bromofluorobenzene (Surr)	*102*		*74 - 124*
Dibromofluoromethane (Surr)	*99*		*75 - 131*
Toluene-d8 (Surr)	*99*		*80 - 120*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 860-178791/4
Matrix: Water
Analysis Batch: 178791

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Tetrahydrofuran			0.100	0.0845		mg/L		85	75 - 125	1	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*63 - 144*
4-Bromofluorobenzene (Surr)	*104*		*74 - 124*
Dibromofluoromethane (Surr)	*98*		*75 - 131*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: 885-8362-1 MS
Matrix: Water
Analysis Batch: 178791

Client Sample ID: RG-South-20240719
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Tetrahydrofuran	ND		0.100	0.0856		mg/L		86	75 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 144*
4-Bromofluorobenzene (Surr)	*100*		*74 - 124*
Dibromofluoromethane (Surr)	*98*		*75 - 131*
Toluene-d8 (Surr)	*99*		*80 - 120*

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

Lab Sample ID: MB 860-177360/1-A
Matrix: Water
Analysis Batch: 177867

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 177360

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		0.11	0.0095	ug/L		07/24/24 14:59	07/26/24 18:26	1
Benzo[a]pyrene	ND		0.11	0.010	ug/L		07/24/24 14:59	07/26/24 18:26	1
Benzo[b]fluoranthene	ND		0.57	0.066	ug/L		07/24/24 14:59	07/26/24 18:26	1
Benzo[k]fluoranthene	ND		0.57	0.047	ug/L		07/24/24 14:59	07/26/24 18:26	1
Chrysene	ND		0.57	0.082	ug/L		07/24/24 14:59	07/26/24 18:26	1
Dibenz(a,h)anthracene	ND		0.11	0.051	ug/L		07/24/24 14:59	07/26/24 18:26	1
Dibenzofuran	ND		0.57	0.11	ug/L		07/24/24 14:59	07/26/24 18:26	1
Indeno[1,2,3-cd]pyrene	ND		0.57	0.10	ug/L		07/24/24 14:59	07/26/24 18:26	1
Bis(2-ethylhexyl) phthalate	ND		2.9	1.4	ug/L		07/24/24 14:59	07/26/24 18:26	1
Pentachlorophenol	ND		1.1	1.0	ug/L		07/24/24 14:59	07/26/24 18:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*116*		*43 - 130*	*07/24/24 14:59*	*07/26/24 18:26*	*1*
Nitrobenzene-d5 (Surr)	*128*		*37 - 133*	*07/24/24 14:59*	*07/26/24 18:26*	*1*
p-Terphenyl-d14 (Surr)	*124*		*47 - 130*	*07/24/24 14:59*	*07/26/24 18:26*	*1*
2,4,6-Tribromophenol (Surr)	*85*		*35 - 130*	*07/24/24 14:59*	*07/26/24 18:26*	*1*

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

Lab Sample ID: MB 860-177360/1-A
Matrix: Water
Analysis Batch: 179169

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 177360

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzidine	ND		1.1	0.090	ug/L		07/24/24 14:59	08/02/24 18:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*111*		*43 - 130*	*07/24/24 14:59*	*08/02/24 18:06*	*1*
Nitrobenzene-d5 (Surr)	*130*		*37 - 133*	*07/24/24 14:59*	*08/02/24 18:06*	*1*
p-Terphenyl-d14 (Surr)	*103*		*47 - 130*	*07/24/24 14:59*	*08/02/24 18:06*	*1*
2,4,6-Tribromophenol (Surr)	*128*		*35 - 130*	*07/24/24 14:59*	*08/02/24 18:06*	*1*

Lab Sample ID: LCS 860-177360/2-A
Matrix: Water
Analysis Batch: 177867

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 177360

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[a]anthracene	2.86	3.70		ug/L		129	42 - 133
Benzo[a]pyrene	2.86	3.20		ug/L		112	32 - 148
Benzo[b]fluoranthene	2.86	3.74		ug/L		131	42 - 140
Benzo[k]fluoranthene	2.86	3.60		ug/L		126	25 - 146
Chrysene	2.86	3.71		ug/L		130	47 - 130
Dibenz(a,h)anthracene	2.86	3.34		ug/L		117	32 - 200
Dibenzofuran	2.86	2.83		ug/L		99	48 - 130
Indeno[1,2,3-cd]pyrene	2.86	3.12		ug/L		109	29 - 151
Bis(2-ethylhexyl) phthalate	2.86	2.96		ug/L		103	29 - 137
Pentachlorophenol	2.86	1.75		ug/L		61	38 - 152

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*99*		*43 - 130*
Nitrobenzene-d5 (Surr)	*117*		*37 - 133*
p-Terphenyl-d14 (Surr)	*112*		*47 - 130*
2,4,6-Tribromophenol (Surr)	*81*		*35 - 130*

Lab Sample ID: LCS 860-177360/2-A
Matrix: Water
Analysis Batch: 179169

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 177360

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzidine	2.86	0.904	J	ug/L		32	11 - 110

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*95*		*43 - 130*
Nitrobenzene-d5 (Surr)	*114*		*37 - 133*
p-Terphenyl-d14 (Surr)	*91*		*47 - 130*
2,4,6-Tribromophenol (Surr)	*125*		*35 - 130*

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

Lab Sample ID: LCSD 860-177360/3-A
Matrix: Water
Analysis Batch: 177867

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 177360

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[a]anthracene			2.86	3.59		ug/L		126	42 - 133	3	30
Benzo[a]pyrene			2.86	3.09		ug/L		108	32 - 148	4	30
Benzo[b]fluoranthene			2.86	3.55		ug/L		124	42 - 140	5	30
Benzo[k]fluoranthene			2.86	3.41		ug/L		119	25 - 146	5	30
Chrysene			2.86	3.46		ug/L		121	47 - 130	7	30
Dibenz(a,h)anthracene			2.86	3.15		ug/L		110	32 - 200	6	30
Dibenzofuran			2.86	2.80		ug/L		98	48 - 130	1	30
Indeno[1,2,3-cd]pyrene			2.86	2.93		ug/L		103	29 - 151	6	30
Bis(2-ethylhexyl) phthalate			2.86	2.83	J	ug/L		99	29 - 137	5	30
Pentachlorophenol			2.86	1.76		ug/L		61	38 - 152	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*103*		*43 - 130*
Nitrobenzene-d5 (Surr)	*123*		*37 - 133*
p-Terphenyl-d14 (Surr)	*111*		*47 - 130*
2,4,6-Tribromophenol (Surr)	*85*		*35 - 130*

Lab Sample ID: LCSD 860-177360/3-A
Matrix: Water
Analysis Batch: 179169

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 177360

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzidine			2.86	0.915	J	ug/L		32	11 - 110	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*100*		*43 - 130*
Nitrobenzene-d5 (Surr)	*119*		*37 - 133*
p-Terphenyl-d14 (Surr)	*91*		*47 - 130*
2,4,6-Tribromophenol (Surr)	*116*		*35 - 130*

Method: 608.3 - Organochlorine Pesticides/PCBs in Water

Lab Sample ID: MB 860-177123/1-A
Matrix: Water
Analysis Batch: 177230

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 177123

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	ND		0.000050	0.000017	mg/L		07/23/24 14:51	07/24/24 10:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*85*		*45 - 115*	*07/23/24 14:51*	*07/24/24 10:02*	*1*
Tetrachloro-m-xylene	*111*	*S1+*	*41 - 110*	*07/23/24 14:51*	*07/24/24 10:02*	*1*

Method: 608.3 - Organochlorine Pesticides/PCBs in Water (Continued)

Lab Sample ID: LCS 860-177123/2-A
Matrix: Water
Analysis Batch: 177230

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 177123

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Dieldrin			0.00125	0.00124		mg/L		99	57 - 107		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 115*
Tetrachloro-m-xylene	*98*		*41 - 110*

Lab Sample ID: LCSD 860-177123/3-A
Matrix: Water
Analysis Batch: 177230

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 177123

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dieldrin			0.00125	0.00128		mg/L		102	57 - 107	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 115*
Tetrachloro-m-xylene	*99*		*41 - 110*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-8830/4
Matrix: Water
Analysis Batch: 8830

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate	ND		0.10	0.020	mg/L			07/19/24 18:20	1
Nitrite	ND		0.10	0.012	mg/L			07/19/24 18:20	1

Lab Sample ID: LCS 885-8830/5
Matrix: Water
Analysis Batch: 8830

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate			2.50	2.48		mg/L		99	90 - 110		
Nitrite			1.00	0.957		mg/L		96	90 - 110		

Lab Sample ID: MRL 885-8830/3
Matrix: Water
Analysis Batch: 8830

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate			0.100	0.0904	J	mg/L		90	50 - 150		
Nitrite			0.0999	0.0965	J	mg/L		97	50 - 150		

Lab Sample ID: MB 885-9150/9
Matrix: Water
Analysis Batch: 9150

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.20	0.022	mg/L			07/24/24 09:18	1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 885-9150/10
Matrix: Water
Analysis Batch: 9150

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	2.50	2.50		mg/L		100	90 - 110
Nitrite as N	1.00	0.941		mg/L		94	90 - 110

Lab Sample ID: MRL 885-9150/8
Matrix: Water
Analysis Batch: 9150

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	0.100	0.0972	J	mg/L		97	50 - 150
Nitrite as N	0.0999	0.0989	J	mg/L		99	50 - 150

Lab Sample ID: MB 885-9313/27
Matrix: Water
Analysis Batch: 9313

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.20	0.022	mg/L			07/26/24 07:48	1

Lab Sample ID: MB 885-9313/90
Matrix: Water
Analysis Batch: 9313

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.20	0.022	mg/L			07/26/24 21:07	1

Lab Sample ID: LCS 885-9313/91
Matrix: Water
Analysis Batch: 9313

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	2.50	2.45		mg/L		98	90 - 110
Nitrite as N	1.00	0.929		mg/L		93	90 - 110

Lab Sample ID: MRL 885-9313/23
Matrix: Water
Analysis Batch: 9313

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	0.100	0.0968	J	mg/L		97	50 - 150
Nitrite as N	0.0999	0.103		mg/L		103	50 - 150

Method: 537.1 - Perfluorinated Alkyl Acids (LC/MS)

Lab Sample ID: MB 320-783394/1-A
Matrix: Water
Analysis Batch: 785401

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783394

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	ND		0.0020	0.00050	ug/L		07/24/24 05:30	07/27/24 10:46	1
Perfluoroheptanoic acid (PFHpA)	ND		0.0020	0.00050	ug/L		07/24/24 05:30	07/27/24 10:46	1

Method: 537.1 - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Lab Sample ID: MB 320-783394/1-A
Matrix: Water
Analysis Batch: 785401

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783394

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	ND		0.0020	0.00050	ug/L		07/24/24 05:30	07/27/24 10:46	1
Perfluorononanoic acid (PFNA)	ND		0.0020	0.00050	ug/L		07/24/24 05:30	07/27/24 10:46	1
Perfluorodecanoic acid (PFDA)	ND		0.0020	0.00050	ug/L		07/24/24 05:30	07/27/24 10:46	1
Perfluoroundecanoic acid (PFUnA)	ND		0.0020	0.00050	ug/L		07/24/24 05:30	07/27/24 10:46	1
Perfluorododecanoic acid (PFDoA)	ND		0.0020	0.00050	ug/L		07/24/24 05:30	07/27/24 10:46	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.0020	0.00050	ug/L		07/24/24 05:30	07/27/24 10:46	1
Perfluorotetradecanoic acid (PFTA)	ND		0.0020	0.00050	ug/L		07/24/24 05:30	07/27/24 10:46	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.0020	0.00050	ug/L		07/24/24 05:30	07/27/24 10:46	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.0020	0.00050	ug/L		07/24/24 05:30	07/27/24 10:46	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.0020	0.00050	ug/L		07/24/24 05:30	07/27/24 10:46	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.0020	0.00050	ug/L		07/24/24 05:30	07/27/24 10:46	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.0020	0.00050	ug/L		07/24/24 05:30	07/27/24 10:46	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.0020	0.00050	ug/L		07/24/24 05:30	07/27/24 10:46	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.0020	0.00050	ug/L		07/24/24 05:30	07/27/24 10:46	1
Hexafluoropropylene oxide dimer acid (HFPO DA)	ND		0.0020	0.00050	ug/L		07/24/24 05:30	07/27/24 10:46	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.0020	0.00050	ug/L		07/24/24 05:30	07/27/24 10:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFHxA	*94*		*70 - 130*	*07/24/24 05:30*	*07/27/24 10:46*	*1*
13C2 PFDA	*101*		*70 - 130*	*07/24/24 05:30*	*07/27/24 10:46*	*1*
d5-NEtFOSAA	*84*		*70 - 130*	*07/24/24 05:30*	*07/27/24 10:46*	*1*
13C3 HFPO-DA	*91*		*70 - 130*	*07/24/24 05:30*	*07/27/24 10:46*	*1*

Lab Sample ID: LCS 320-783394/3-A
Matrix: Water
Analysis Batch: 785401

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783394

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorohexanoic acid (PFHxA)	0.160	0.156		ug/L		97	70 - 130
Perfluoroheptanoic acid (PFHpA)	0.160	0.164		ug/L		102	70 - 130
Perfluorooctanoic acid (PFOA)	0.160	0.165		ug/L		103	70 - 130
Perfluorononanoic acid (PFNA)	0.160	0.169		ug/L		106	70 - 130
Perfluorodecanoic acid (PFDA)	0.160	0.165		ug/L		103	70 - 130
Perfluoroundecanoic acid (PFUnA)	0.160	0.165		ug/L		103	70 - 130
Perfluorododecanoic acid (PFDoA)	0.160	0.165		ug/L		103	70 - 130
Perfluorotridecanoic acid (PFTrDA)	0.160	0.162		ug/L		102	70 - 130
Perfluorotetradecanoic acid (PFTA)	0.160	0.178		ug/L		112	70 - 130
Perfluorobutanesulfonic acid (PFBS)	0.142	0.150		ug/L		106	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	0.146	0.155		ug/L		106	70 - 130

Method: 537.1 - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Lab Sample ID: LCS 320-783394/3-A
Matrix: Water
Analysis Batch: 785401

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783394

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Perfluorooctanesulfonic acid (PFOS)			0.149	0.161		ug/L		108	70 - 130		
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)			0.160	0.154		ug/L		96	70 - 130		
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)			0.160	0.149		ug/L		93	70 - 130		
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)			0.149	0.150		ug/L		100	70 - 130		
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)			0.151	0.156		ug/L		103	70 - 130		
Hexafluoropropylene oxide dimer acid (HFPO DA)			0.160	0.150		ug/L		94	70 - 130		
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)			0.151	0.150		ug/L		99	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C2 PFHxA	*93*		*70 - 130*
13C2 PFDA	*98*		*70 - 130*
d5-NEtFOSAA	*81*		*70 - 130*
13C3 HFPO-DA	*88*		*70 - 130*

Lab Sample ID: LCSD 320-783394/4-A
Matrix: Water
Analysis Batch: 785401

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 783394

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorohexanoic acid (PFHxA)			0.160	0.156		ug/L		98	70 - 130	0	30
Perfluoroheptanoic acid (PFHpA)			0.160	0.164		ug/L		103	70 - 130	0	30
Perfluorooctanoic acid (PFOA)			0.160	0.165		ug/L		103	70 - 130	0	30
Perfluorononanoic acid (PFNA)			0.160	0.170		ug/L		107	70 - 130	1	30
Perfluorodecanoic acid (PFDA)			0.160	0.167		ug/L		104	70 - 130	1	30
Perfluoroundecanoic acid (PFUnA)			0.160	0.167		ug/L		104	70 - 130	1	30
Perfluorododecanoic acid (PFDoA)			0.160	0.160		ug/L		100	70 - 130	3	30
Perfluorotridecanoic acid (PFTrDA)			0.160	0.161		ug/L		101	70 - 130	1	30
Perfluorotetradecanoic acid (PFTA)			0.160	0.174		ug/L		109	70 - 130	2	30
Perfluorobutanesulfonic acid (PFBS)			0.142	0.159		ug/L		112	70 - 130	6	30
Perfluorohexanesulfonic acid (PFHxS)			0.146	0.144		ug/L		99	70 - 130	7	30
Perfluorooctanesulfonic acid (PFOS)			0.149	0.153		ug/L		103	70 - 130	5	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)			0.160	0.159		ug/L		100	70 - 130	3	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)			0.160	0.157		ug/L		98	70 - 130	6	30

Method: 537.1 - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Lab Sample ID: LCSD 320-783394/4-A
Matrix: Water
Analysis Batch: 785401

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 783394

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)			0.149	0.144		ug/L		96	70 - 130	4	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)			0.151	0.151		ug/L		100	70 - 130	3	30
Hexafluoropropylene oxide dimer acid (HFPO DA)			0.160	0.154		ug/L		96	70 - 130	3	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)			0.151	0.155		ug/L		102	70 - 130	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C2 PFHxA	*96*		*70 - 130*
13C2 PFDA	*100*		*70 - 130*
d5-NEtFOSAA	*86*		*70 - 130*
13C3 HFPO-DA	*93*		*70 - 130*

Lab Sample ID: LLCS 320-783394/2-A
Matrix: Water
Analysis Batch: 785401

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783394

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorohexanoic acid (PFHxA)			0.00400	0.00420		ug/L		105	50 - 150
Perfluoroheptanoic acid (PFHpA)			0.00400	0.00437		ug/L		109	50 - 150
Perfluorooctanoic acid (PFOA)			0.00400	0.00413		ug/L		103	50 - 150
Perfluorononanoic acid (PFNA)			0.00400	0.00448		ug/L		112	50 - 150
Perfluorodecanoic acid (PFDA)			0.00400	0.00442		ug/L		111	50 - 150
Perfluoroundecanoic acid (PFUnA)			0.00400	0.00434		ug/L		108	50 - 150
Perfluorododecanoic acid (PFDoA)			0.00400	0.00429		ug/L		107	50 - 150
Perfluorotridecanoic acid (PFTrDA)			0.00400	0.00425		ug/L		106	50 - 150
Perfluorotetradecanoic acid (PFTA)			0.00400	0.00475		ug/L		119	50 - 150
Perfluorobutanesulfonic acid (PFBS)			0.00355	0.00336		ug/L		95	50 - 150
Perfluorohexanesulfonic acid (PFHxS)			0.00365	0.00402		ug/L		110	50 - 150
Perfluorooctanesulfonic acid (PFOS)			0.00372	0.00426		ug/L		114	50 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)			0.00400	0.00408		ug/L		102	50 - 150
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)			0.00400	0.00385		ug/L		96	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)			0.00374	0.00373		ug/L		100	50 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)			0.00378	0.00404		ug/L		107	50 - 150
Hexafluoropropylene oxide dimer acid (HFPO DA)			0.00400	0.00404		ug/L		101	50 - 150

Method: 537.1 - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Lab Sample ID: LLCS 320-783394/2-A
Matrix: Water
Analysis Batch: 785401

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783394

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)			0.00378	0.00400		ug/L		106	50 - 150		

Surrogate	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C2 PFHxA	*96*		*70 - 130*
13C2 PFDA	*101*		*70 - 130*
d5-NEtFOSAA	*85*		*70 - 130*
13C3 HFPO-DA	*91*		*70 - 130*

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Lab Sample ID: MB 320-785897/1-A
Matrix: Water
Analysis Batch: 786998

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 785897

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	ND		20	1.4	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-2	ND		200	1.3	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-3	ND		60	1.4	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-4	ND		40	6.0	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-5	ND		200	8.1	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-6	ND		200	7.3	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-7	ND		200	7.9	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-8	ND		200	7.0	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-9	ND		200	7.7	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-10	ND		200	4.2	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-11	ND		200	8.1	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-12	ND		400	8.1	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-13	ND		400	8.1	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-14	ND		200	7.9	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-15	ND		40	6.5	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-16	ND		200	2.6	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-17	ND		200	2.4	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-18	ND		400	1.7	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-19	ND		20	2.6	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-20	ND		400	2.6	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-21	ND		400	2.8	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-22	ND		200	2.6	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-23	ND		200	2.8	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-24	ND		200	1.8	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-25	ND		200	2.5	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-26	ND		400	2.7	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-27	ND		200	1.6	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-28	ND		400	2.6	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-29	ND		400	2.7	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-30	ND		400	1.7	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-31	ND		200	2.6	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-32	ND		200	1.6	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-33	ND		400	2.8	pg/L		07/30/24 09:05	08/02/24 01:13	1

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-785897/1-A
Matrix: Water
Analysis Batch: 786998

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 785897

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-34	ND		200	2.7	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-35	ND		200	2.7	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-36	ND		200	2.8	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-37	ND		20	2.6	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-38	ND		200	2.9	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-39	ND		200	2.6	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-40	ND		400	0.68	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-41	ND		200	0.92	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-42	ND		200	0.76	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-43	ND		200	0.77	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-44	4.10	J q	600	0.66	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-45	ND		400	0.75	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-46	ND		200	0.91	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-47	4.10	J q	600	0.66	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-48	ND		200	0.77	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-49	ND		400	0.61	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-50	ND		400	0.75	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-51	ND		400	0.75	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-52	ND		200	0.67	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-53	ND		400	0.75	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-54	ND		20	0.32	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-55	ND		200	0.74	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-56	ND		200	0.76	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-57	ND		200	0.85	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-58	ND		200	0.69	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-59	ND		600	0.56	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-60	ND		200	0.85	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-61	ND		800	0.78	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-62	ND		600	0.56	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-63	ND		200	0.89	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-64	ND		200	0.57	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-65	4.10	J q	600	0.66	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-66	ND		200	0.75	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-67	ND		200	0.72	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-68	ND		200	0.75	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-69	ND		400	0.61	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-70	ND		800	0.78	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-71	ND		400	0.68	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-72	ND		200	0.86	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-73	ND		200	0.51	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-74	ND		800	0.78	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-75	ND		600	0.56	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-76	ND		800	0.78	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-77	ND		20	1.0	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-78	ND		200	0.86	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-79	ND		200	0.75	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-80	ND		200	0.73	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-81	ND		20	1.0	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-82	ND		200	2.3	pg/L		07/30/24 09:05	08/02/24 01:13	1

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-785897/1-A
Matrix: Water
Analysis Batch: 786998

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 785897

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-83	ND		400	2.1	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-84	ND		200	2.5	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-85	ND		600	1.8	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-86	ND		1200	1.8	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-87	ND		1200	1.8	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-88	ND		400	2.3	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-89	ND		200	2.3	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-90	ND		600	1.9	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-91	ND		400	2.3	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-92	ND		200	2.2	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-93	ND		400	2.2	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-94	ND		200	2.4	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-95	ND		200	2.3	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-96	ND		200	0.78	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-97	ND		1200	1.8	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-98	ND		400	2.3	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-99	ND		400	2.1	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-100	ND		400	2.2	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-101	ND		600	1.9	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-102	ND		400	2.3	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-103	ND		200	2.1	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-104	ND		20	0.64	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-105	ND		20	1.7	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-106	ND		200	1.8	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-107	ND		200	1.3	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-108	ND		400	1.7	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-109	ND		1200	1.8	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-110	ND		400	1.7	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-111	ND		200	1.6	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-112	ND		200	1.4	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-113	ND		600	1.9	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-114	ND		20	1.9	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-115	ND		400	1.7	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-116	ND		600	1.8	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-117	ND		600	1.8	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-118	ND		20	1.7	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-119	ND		1200	1.8	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-120	ND		200	1.3	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-121	ND		200	1.4	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-122	ND		200	1.8	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-123	ND		20	2.0	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-124	ND		400	1.7	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-125	ND		1200	1.8	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-126	ND		20	1.9	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-127	ND		200	1.6	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-128	ND		400	0.48	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-129	ND		800	0.49	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-130	ND		200	0.63	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-131	ND		200	0.59	pg/L		07/30/24 09:05	08/02/24 01:13	1

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-785897/1-A
Matrix: Water
Analysis Batch: 786998

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 785897

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-132	ND		200	0.60	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-133	ND		200	0.61	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-134	ND		400	0.60	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-135	ND		400	0.54	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-136	ND		200	0.41	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-137	ND		200	0.48	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-138	ND		800	0.49	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-139	ND		400	0.54	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-140	ND		400	0.54	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-141	ND		200	0.62	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-142	ND		200	0.65	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-143	ND		400	0.60	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-144	ND		200	0.52	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-145	ND		200	0.42	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-146	ND		200	0.42	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-147	ND		400	0.51	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-148	ND		200	0.54	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-149	ND		400	0.51	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-150	ND		200	0.43	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-151	ND		400	0.54	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-152	ND		200	0.41	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-153	ND		400	0.40	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-154	ND		200	0.53	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-155	ND		20	0.38	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-156	ND		40	0.43	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-157	ND		40	0.43	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-158	ND		200	0.39	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-159	ND		200	0.27	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-160	ND		800	0.49	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-161	ND		200	0.50	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-162	ND		200	0.32	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-163	ND		800	0.49	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-164	ND		200	0.55	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-165	ND		200	0.44	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-166	ND		400	0.48	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-167	ND		20	0.28	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-168	ND		400	0.40	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-169	ND		20	0.33	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-170	ND		200	0.46	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-171	ND		400	0.47	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-172	ND		200	0.48	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-173	ND		400	0.47	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-174	ND		200	0.49	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-175	ND		200	0.38	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-176	ND		200	0.30	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-177	ND		200	0.42	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-178	ND		200	0.40	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-179	ND		200	0.26	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-180	ND		400	0.37	pg/L		07/30/24 09:05	08/02/24 01:13	1

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-785897/1-A
Matrix: Water
Analysis Batch: 786998

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 785897

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-181	ND		200	0.44	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-182	ND		200	0.39	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-183	ND		200	0.36	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-184	ND		200	0.27	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-185	ND		200	0.48	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-186	ND		200	0.24	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-187	ND		200	0.31	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-188	ND		20	0.23	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-189	ND		20	0.39	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-190	ND		200	0.31	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-191	ND		200	0.33	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-192	ND		200	0.33	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-193	ND		400	0.37	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-194	ND		200	0.37	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-195	ND		200	0.41	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-196	ND		200	0.38	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-197	ND		200	0.25	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-198	ND		400	0.36	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-199	ND		400	0.36	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-200	ND		200	0.34	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-201	ND		200	0.29	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-202	ND		20	0.24	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-203	ND		200	0.34	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-204	ND		200	0.29	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-205	ND		20	0.45	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-206	ND		20	6.8	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-207	ND		200	4.3	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-208	ND		20	4.3	pg/L		07/30/24 09:05	08/02/24 01:13	1
PCB-209	ND		20	0.35	pg/L		07/30/24 09:05	08/02/24 01:13	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*80*		*15 - 150*	*07/30/24 09:05*	*08/02/24 01:13*	*1*
PCB-3L	*79*		*15 - 150*	*07/30/24 09:05*	*08/02/24 01:13*	*1*
PCB-4L	*84*		*25 - 150*	*07/30/24 09:05*	*08/02/24 01:13*	*1*
PCB-15L	*92*		*25 - 150*	*07/30/24 09:05*	*08/02/24 01:13*	*1*
PCB-19L	*85*		*25 - 150*	*07/30/24 09:05*	*08/02/24 01:13*	*1*
PCB-37L	*105*		*25 - 150*	*07/30/24 09:05*	*08/02/24 01:13*	*1*
PCB-54L	*96*		*25 - 150*	*07/30/24 09:05*	*08/02/24 01:13*	*1*
PCB-77L	*104*		*25 - 150*	*07/30/24 09:05*	*08/02/24 01:13*	*1*
PCB-81L	*104*		*25 - 150*	*07/30/24 09:05*	*08/02/24 01:13*	*1*
PCB-104L	*83*		*25 - 150*	*07/30/24 09:05*	*08/02/24 01:13*	*1*
PCB-105L	*95*		*25 - 150*	*07/30/24 09:05*	*08/02/24 01:13*	*1*
PCB-114L	*93*		*25 - 150*	*07/30/24 09:05*	*08/02/24 01:13*	*1*
PCB-118L	*92*		*25 - 150*	*07/30/24 09:05*	*08/02/24 01:13*	*1*
PCB-123L	*92*		*25 - 150*	*07/30/24 09:05*	*08/02/24 01:13*	*1*
PCB-126L	*98*		*25 - 150*	*07/30/24 09:05*	*08/02/24 01:13*	*1*
PCB-155L	*84*		*25 - 150*	*07/30/24 09:05*	*08/02/24 01:13*	*1*
PCB-156L	*102*		*25 - 150*	*07/30/24 09:05*	*08/02/24 01:13*	*1*
PCB-156L/157L	*102*		*25 - 150*	*07/30/24 09:05*	*08/02/24 01:13*	*1*

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-785897/1-A
Matrix: Water
Analysis Batch: 786998

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 785897

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-157L	102		25 - 150	07/30/24 09:05	08/02/24 01:13	1
PCB-167L	101		25 - 150	07/30/24 09:05	08/02/24 01:13	1
PCB-169L	104		25 - 150	07/30/24 09:05	08/02/24 01:13	1
PCB-188L	87		25 - 150	07/30/24 09:05	08/02/24 01:13	1
PCB-189L	78		25 - 150	07/30/24 09:05	08/02/24 01:13	1
PCB-202L	72		25 - 150	07/30/24 09:05	08/02/24 01:13	1
PCB-205L	81		25 - 150	07/30/24 09:05	08/02/24 01:13	1
PCB-206L	74		25 - 150	07/30/24 09:05	08/02/24 01:13	1
PCB-208L	67		25 - 150	07/30/24 09:05	08/02/24 01:13	1
PCB-209L	85		25 - 150	07/30/24 09:05	08/02/24 01:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	104		30 - 135	07/30/24 09:05	08/02/24 01:13	1
PCB-111L	102		30 - 135	07/30/24 09:05	08/02/24 01:13	1
PCB-178L	132		30 - 135	07/30/24 09:05	08/02/24 01:13	1

Lab Sample ID: LCS 320-785897/2-A
Matrix: Water
Analysis Batch: 786998

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 785897

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1	2000	2210		pg/L		110	50 - 150
PCB-3	2000	2100		pg/L		105	50 - 150
PCB-4	2000	1800		pg/L		90	50 - 150
PCB-15	2000	1740		pg/L		87	50 - 150
PCB-19	2000	1700		pg/L		85	50 - 150
PCB-37	2000	1880		pg/L		94	50 - 150
PCB-54	2000	1690		pg/L		85	50 - 150
PCB-77	2000	2020		pg/L		101	50 - 150
PCB-81	2000	2110		pg/L		106	50 - 150
PCB-104	2000	2340		pg/L		117	50 - 150
PCB-105	2000	1780		pg/L		89	50 - 150
PCB-114	2000	2180		pg/L		109	50 - 150
PCB-118	2000	2000		pg/L		100	50 - 150
PCB-123	2000	2180		pg/L		109	50 - 150
PCB-126	2000	2020		pg/L		101	50 - 150
PCB-155	2000	2380		pg/L		119	50 - 150
PCB-156	4000	3630		pg/L		91	50 - 150
PCB-157	4000	3630		pg/L		91	50 - 150
PCB-167	2000	1810		pg/L		90	50 - 150
PCB-169	2000	1780		pg/L		89	50 - 150
PCB-188	2000	1740		pg/L		87	50 - 150
PCB-189	2000	1850		pg/L		92	50 - 150
PCB-202	2000	1670		pg/L		83	50 - 150
PCB-205	2000	1940		pg/L		97	50 - 150
PCB-206	2000	1630		pg/L		81	50 - 150
PCB-208	2000	1890		pg/L		95	50 - 150
PCB-209	2000	1630		pg/L		81	50 - 150

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
PCB-1L	72		15 - 140
PCB-3L	73		15 - 140
PCB-4L	77		30 - 140
PCB-15L	87		30 - 140
PCB-19L	80		30 - 140
PCB-37L	97		30 - 140
PCB-54L	86		30 - 140
PCB-77L	102		30 - 140
PCB-81L	100		30 - 140
PCB-104L	77		30 - 140
PCB-105L	97		30 - 140
PCB-114L	93		30 - 140
PCB-118L	92		30 - 140
PCB-123L	93		30 - 140
PCB-126L	99		30 - 140
PCB-155L	73	q	30 - 140
PCB-156L	101		30 - 140
PCB-156L/157L	101		30 - 140
PCB-157L	101		30 - 140
PCB-167L	102		30 - 140
PCB-169L	103		30 - 140
PCB-188L	91		30 - 140
PCB-189L	89		30 - 140
PCB-202L	83		30 - 140
PCB-205L	94		30 - 140
PCB-206L	92		30 - 140
PCB-208L	79		30 - 140
PCB-209L	113		30 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
PCB-28L	104		40 - 125
PCB-111L	102		40 - 125
PCB-178L	124		40 - 125

Lab Sample ID: LCSD 320-785897/3-A
Matrix: Water
Analysis Batch: 786998

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 785897

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1			2000	2180		pg/L		109	50 - 150	1	50
PCB-3			2000	2090		pg/L		104	50 - 150	1	50
PCB-4			2000	1850		pg/L		93	50 - 150	3	50
PCB-15			2000	1780		pg/L		89	50 - 150	2	50
PCB-19			2000	1730		pg/L		87	50 - 150	2	50
PCB-37			2000	1840		pg/L		92	50 - 150	2	50
PCB-54			2000	1740		pg/L		87	50 - 150	2	50
PCB-77			2000	1970		pg/L		98	50 - 150	3	50
PCB-81			2000	2060		pg/L		103	50 - 150	2	50
PCB-104			2000	2320		pg/L		116	50 - 150	1	50
PCB-105			2000	1730		pg/L		86	50 - 150	3	50
PCB-114			2000	2110		pg/L		105	50 - 150	3	50

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCSD 320-785897/3-A
Matrix: Water
Analysis Batch: 786998

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 785897

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-118			2000	1910		pg/L		95	50 - 150	5	50
PCB-123			2000	2190		pg/L		109	50 - 150	0	50
PCB-126			2000	2010		pg/L		101	50 - 150	0	50
PCB-155			2000	2020		pg/L		101	50 - 150	17	50
PCB-156			4000	3600		pg/L		90	50 - 150	1	50
PCB-157			4000	3600		pg/L		90	50 - 150	1	50
PCB-167			2000	1860		pg/L		93	50 - 150	3	50
PCB-169			2000	1740		pg/L		87	50 - 150	2	50
PCB-188			2000	1750		pg/L		88	50 - 150	1	50
PCB-189			2000	1860		pg/L		93	50 - 150	1	50
PCB-202			2000	1700		pg/L		85	50 - 150	2	50
PCB-205			2000	1910		pg/L		96	50 - 150	1	50
PCB-206			2000	1650		pg/L		83	50 - 150	2	50
PCB-208			2000	1770		pg/L		88	50 - 150	7	50
PCB-209			2000	1670		pg/L		84	50 - 150	3	50

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
PCB-1L	*73*		*15 - 140*
PCB-3L	*74*		*15 - 140*
PCB-4L	*74*		*30 - 140*
PCB-15L	*88*		*30 - 140*
PCB-19L	*79*		*30 - 140*
PCB-37L	*100*		*30 - 140*
PCB-54L	*84*		*30 - 140*
PCB-77L	*101*		*30 - 140*
PCB-81L	*103*		*30 - 140*
PCB-104L	*89*		*30 - 140*
PCB-105L	*108*		*30 - 140*
PCB-114L	*105*		*30 - 140*
PCB-118L	*106*		*30 - 140*
PCB-123L	*103*		*30 - 140*
PCB-126L	*110*		*30 - 140*
PCB-155L	*86*		*30 - 140*
PCB-156L	*101*		*30 - 140*
PCB-156L/157L	*101*		*30 - 140*
PCB-157L	*101*		*30 - 140*
PCB-167L	*98*		*30 - 140*
PCB-169L	*104*		*30 - 140*
PCB-188L	*90*		*30 - 140*
PCB-189L	*87*		*30 - 140*
PCB-202L	*78*		*30 - 140*
PCB-205L	*90*		*30 - 140*
PCB-206L	*88*		*30 - 140*
PCB-208L	*80*		*30 - 140*
PCB-209L	*103*		*30 - 140*

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
PCB-28L	*103*		*40 - 125*

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCSD 320-785897/3-A
Matrix: Water
Analysis Batch: 786998

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 785897

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
PCB-111L	*109*		*40 - 125*
PCB-178L	*120*		*40 - 125*

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MRL 885-9069/15
Matrix: Water
Analysis Batch: 9069

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Calcium			0.500	0.459	J	mg/L		92	50 - 150		
Magnesium			0.500	0.479	J	mg/L		96	50 - 150		

Lab Sample ID: MB 885-8889/1-A
Matrix: Water
Analysis Batch: 9069

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 8889

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		1.0	0.053	mg/L		07/22/24 10:41	07/24/24 09:06	1
Magnesium	ND		1.0	0.033	mg/L		07/22/24 10:41	07/24/24 09:06	1

Lab Sample ID: LCS 885-8889/7-A
Matrix: Water
Analysis Batch: 9069

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 8889

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Calcium			50.0	48.3		mg/L		97	85 - 115		
Magnesium			50.0	48.7		mg/L		97	85 - 115		

Lab Sample ID: LLCS 885-8889/6-A
Matrix: Water
Analysis Batch: 9069

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 8889

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Calcium			0.500	0.491	J	mg/L		98	50 - 150		
Magnesium			0.500	0.480	J	mg/L		96	50 - 150		

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 885-9268/11
Matrix: Water
Analysis Batch: 9268

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.00050	0.000083	mg/L			07/26/24 09:36	1
Copper	ND		0.00050	0.00012	mg/L			07/26/24 09:36	1

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 885-9268/12
Matrix: Water
Analysis Batch: 9268

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.0125	0.0123		mg/L		98	85 - 115
Copper	0.0250	0.0242		mg/L		97	85 - 115

Lab Sample ID: MRL 885-9268/10
Matrix: Water
Analysis Batch: 9268

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Copper	0.000500	0.000477	J	mg/L		95	50 - 150

Lab Sample ID: MRL 885-9268/9
Matrix: Water
Analysis Batch: 9268

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.000500	0.000496	J	mg/L		99	50 - 150

Method: 1664B - HEM and SGT-HEM

Lab Sample ID: MB 885-9984/1
Matrix: Water
Analysis Batch: 9984

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	ND		5.0	4.5	mg/L			08/09/24 09:50	1

Lab Sample ID: LCS 885-9984/2
Matrix: Water
Analysis Batch: 9984

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
HEM (Oil & Grease)	40.0	37.2		mg/L		93	78 - 114

Lab Sample ID: LCSD 885-9984/3
Matrix: Water
Analysis Batch: 9984

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
HEM (Oil & Grease)	40.0	37.2		mg/L		93	78 - 114	0	20

Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-9053/1
Matrix: Water
Analysis Batch: 9053

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		50	25	mg/L			07/24/24 11:30	1

Method: 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCS 885-9053/2
Matrix: Water
Analysis Batch: 9053

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	1010		mg/L		101	80 - 120

Lab Sample ID: MB 885-9116/1
Matrix: Water
Analysis Batch: 9116

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		50	25	mg/L			07/25/24 08:48	1

Lab Sample ID: LCS 885-9116/2
Matrix: Water
Analysis Batch: 9116

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	1010		mg/L		101	80 - 120

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-8919/33-A
Matrix: Water
Analysis Batch: 9096

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 8919

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Total Kjeldahl	ND		0.50	0.50	mg/L		07/22/24 10:30	07/24/24 14:25	1

Lab Sample ID: LCS 885-8919/35-A
Matrix: Water
Analysis Batch: 9096

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 8919

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Total Kjeldahl	10.0	9.85		mg/L		98	90 - 110

Lab Sample ID: LLCS 885-8919/34-A
Matrix: Water
Analysis Batch: 9096

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 8919

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Total Kjeldahl	0.500	ND		mg/L		98	50 - 150

Lab Sample ID: MB 885-9417/3-A
Matrix: Water
Analysis Batch: 9738

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9417

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Total Kjeldahl	ND		0.50	0.50	mg/L		07/30/24 12:17	08/02/24 13:40	1

Method: 351.2 - Nitrogen, Total Kjeldahl (Continued)

Lab Sample ID: LCS 885-9417/5-A
Matrix: Water
Analysis Batch: 9738

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 9417

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Total Kjeldahl	10.0	9.84		mg/L		98	90 - 110

Lab Sample ID: LLCS 885-9417/4-A
Matrix: Water
Analysis Batch: 9738

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 9417

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Total Kjeldahl	0.500	ND		mg/L		100	50 - 150

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 885-8876/1-A
Matrix: Water
Analysis Batch: 8994

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 8876

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphorus as P	ND		0.050	0.050	mg/L		07/22/24 09:43	07/23/24 11:04	1

Lab Sample ID: LCS 885-8876/2-A
Matrix: Water
Analysis Batch: 8994

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 8876

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	0.250	0.230		mg/L		92	90 - 110

Lab Sample ID: MRL 885-8876/5-A
Matrix: Water
Analysis Batch: 8994

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 8876

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	0.0500	ND		mg/L		98	50 - 150

Lab Sample ID: MB 885-9389/4-A
Matrix: Water
Analysis Batch: 9522

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9389

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphorus as P	ND		0.050	0.050	mg/L		07/30/24 08:10	07/31/24 09:49	1

Lab Sample ID: LCS 885-9389/5-A
Matrix: Water
Analysis Batch: 9522

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 9389

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	0.250	0.243		mg/L		97	90 - 110

Method: 365.1 - Phosphorus, Total (Continued)

Lab Sample ID: MRL 885-9389/3-A
Matrix: Water
Analysis Batch: 9522

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 9389

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	0.0500	ND		mg/L		96	50 - 150

Method: 5220D - COD

Lab Sample ID: MB 885-11218/4
Matrix: Water
Analysis Batch: 11218

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		50	50	mg/L			08/27/24 14:32	1

Lab Sample ID: LCS 885-11218/5
Matrix: Water
Analysis Batch: 11218

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	500	491		mg/L		98	90 - 110

Lab Sample ID: MRL 885-11218/6
Matrix: Water
Analysis Batch: 11218

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	50.0	ND		mg/L		83	50 - 150

Lab Sample ID: MB 885-9503/4
Matrix: Water
Analysis Batch: 9503

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		50	50	mg/L			07/31/24 15:01	1

Lab Sample ID: LCS 885-9503/5
Matrix: Water
Analysis Batch: 9503

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	500	505		mg/L		101	90 - 110

Lab Sample ID: MRL 885-9503/6
Matrix: Water
Analysis Batch: 9503

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	50.0	60.5		mg/L		121	50 - 150

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 885-8984/1
Matrix: Water
Analysis Batch: 8984

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			07/23/24 12:52	1

Lab Sample ID: LCSSRM 885-8984/2
Matrix: Water
Analysis Batch: 8984

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

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	90.0		mg/L		90.0	77.1 - 110.0

Method: SM 4500 NH3 C - Ammonia

Lab Sample ID: MB 885-9155/1-A
Matrix: Water
Analysis Batch: 9199

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9155

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.67	0.28	mg/L		07/25/24 11:04	07/25/24 14:50	1

Lab Sample ID: LCS 885-9155/2-A
Matrix: Water
Analysis Batch: 9199

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 9155

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	10.0	9.52		mg/L		95	80 - 120

Method: SM5210B - BOD, 5 Day

Lab Sample ID: USB 885-8777/1
Matrix: Water
Analysis Batch: 8777

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

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			07/19/24 15:58	1

Lab Sample ID: LCS 885-8777/2
Matrix: Water
Analysis Batch: 8777

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biochemical Oxygen Demand	198	151	*-	mg/L		76	85 - 115

Method: 900.0 - Gross Alpha and Gross Beta Radioactivity

Lab Sample ID: MB 160-672164/1-A
Matrix: Water
Analysis Batch: 673670

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 672164

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	0.3049	U	0.557	0.558	3.00	0.971	pCi/L	07/24/24 09:30	08/04/24 13:28	1

Method: 900.0 - Gross Alpha and Gross Beta Radioactivity (Continued)

Lab Sample ID: MB 160-672164/1-A
Matrix: Water
Analysis Batch: 673670

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 672164

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Beta	0.7565	U	0.514	0.519	4.00	0.779	pCi/L	07/24/24 09:30	08/04/24 13:28	1

Lab Sample ID: LCS 160-672164/2-A
Matrix: Water
Analysis Batch: 673670

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 672164

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Gross Alpha			49.5	54.62		7.80	3.00	1.43	pCi/L	110	75 - 125		

Lab Sample ID: LCSB 160-672164/3-A
Matrix: Water
Analysis Batch: 673670

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 672164

Analyte			Spike Added	LCSB Result	LCSB Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Gross Beta			71.1	71.29		7.65	4.00	0.846	pCi/L	100	75 - 125		

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

Lab Sample ID: MB 885-8824/1
Matrix: Water
Analysis Batch: 8824

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	ND		1.0	1.0	MPN/100mL			07/19/24 17:45	1

GC/MS VOA

Analysis Batch: 178534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-5	Trip Blank	Total/NA	Water	8260C	
MB 860-178534/10	Method Blank	Total/NA	Water	8260C	
LCS 860-178534/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 860-178534/4	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 178618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-3	RG-North-20240717	Total/NA	Water	8260C	
MB 860-178618/9	Method Blank	Total/NA	Water	8260C	
LCS 860-178618/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 860-178618/4	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 178791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-1	RG-South-20240719	Total/NA	Water	8260C	
MB 860-178791/9	Method Blank	Total/NA	Water	8260C	
LCS 860-178791/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 860-178791/4	Lab Control Sample Dup	Total/NA	Water	8260C	
885-8362-1 MS	RG-South-20240719	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 177360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-1	RG-South-20240719	Total/NA	Water	3511	
885-8362-3	RG-North-20240717	Total/NA	Water	3511	
MB 860-177360/1-A	Method Blank	Total/NA	Water	3511	
LCS 860-177360/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 860-177360/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 177867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-177360/1-A	Method Blank	Total/NA	Water	625.1	177360
LCS 860-177360/2-A	Lab Control Sample	Total/NA	Water	625.1	177360
LCSD 860-177360/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	177360

Analysis Batch: 178568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-1	RG-South-20240719	Total/NA	Water	625.1	177360
885-8362-3	RG-North-20240717	Total/NA	Water	625.1	177360

Analysis Batch: 179169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-177360/1-A	Method Blank	Total/NA	Water	625.1	177360
LCS 860-177360/2-A	Lab Control Sample	Total/NA	Water	625.1	177360
LCSD 860-177360/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	177360

GC Semi VOA

Prep Batch: 177123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-1	RG-South-20240719	Total/NA	Water	3511	

GC Semi VOA (Continued)

Prep Batch: 177123 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-3	RG-North-20240717	Total/NA	Water	3511	
MB 860-177123/1-A	Method Blank	Total/NA	Water	3511	
LCS 860-177123/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 860-177123/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 177230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-1	RG-South-20240719	Total/NA	Water	608.3	177123
885-8362-3	RG-North-20240717	Total/NA	Water	608.3	177123
MB 860-177123/1-A	Method Blank	Total/NA	Water	608.3	177123
LCS 860-177123/2-A	Lab Control Sample	Total/NA	Water	608.3	177123
LCSD 860-177123/3-A	Lab Control Sample Dup	Total/NA	Water	608.3	177123

HPLC/IC

Analysis Batch: 8830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-1	RG-South-20240719	Total/NA	Water	300.0	
MB 885-8830/4	Method Blank	Total/NA	Water	300.0	
LCS 885-8830/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-8830/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 9150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-3	RG-North-20240717	Total/NA	Water	300.0	
MB 885-9150/9	Method Blank	Total/NA	Water	300.0	
LCS 885-9150/10	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-9150/8	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 9313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-9313/27	Method Blank	Total/NA	Water	300.0	
MB 885-9313/90	Method Blank	Total/NA	Water	300.0	
LCS 885-9313/91	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-9313/23	Lab Control Sample	Total/NA	Water	300.0	

LCMS

Prep Batch: 783394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-1	RG-South-20240719	Total/NA	Water	537.1	
885-8362-2	RG-South-BLK-20240719	Total/NA	Water	537.1	
885-8362-3	RG-North-20240717	Total/NA	Water	537.1	
885-8362-4	EquipBlank-20240717;PFAS	Total/NA	Water	537.1	
MB 320-783394/1-A	Method Blank	Total/NA	Water	537.1	
LCS 320-783394/3-A	Lab Control Sample	Total/NA	Water	537.1	
LCSD 320-783394/4-A	Lab Control Sample Dup	Total/NA	Water	537.1	
LLCS 320-783394/2-A	Lab Control Sample	Total/NA	Water	537.1	

Analysis Batch: 785401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-3	RG-North-20240717	Total/NA	Water	537.1	783394

LCMS (Continued)

Analysis Batch: 785401 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-4	EquipBlank-20240717;PFAS	Total/NA	Water	537.1	783394
MB 320-783394/1-A	Method Blank	Total/NA	Water	537.1	783394
LCS 320-783394/3-A	Lab Control Sample	Total/NA	Water	537.1	783394
LCSD 320-783394/4-A	Lab Control Sample Dup	Total/NA	Water	537.1	783394
LLCS 320-783394/2-A	Lab Control Sample	Total/NA	Water	537.1	783394

Analysis Batch: 785413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-1	RG-South-20240719	Total/NA	Water	537.1	783394
885-8362-2	RG-South-BLK-20240719	Total/NA	Water	537.1	783394

Specialty Organics

Prep Batch: 785897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-1	RG-South-20240719	Total/NA	Water	HRMS-Sep	
885-8362-3	RG-North-20240717	Total/NA	Water	HRMS-Sep	
MB 320-785897/1-A	Method Blank	Total/NA	Water	HRMS-Sep	
LCS 320-785897/2-A	Lab Control Sample	Total/NA	Water	HRMS-Sep	
LCSD 320-785897/3-A	Lab Control Sample Dup	Total/NA	Water	HRMS-Sep	

Analysis Batch: 786998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-1	RG-South-20240719	Total/NA	Water	1668A	785897
885-8362-3	RG-North-20240717	Total/NA	Water	1668A	785897
MB 320-785897/1-A	Method Blank	Total/NA	Water	1668A	785897
LCS 320-785897/2-A	Lab Control Sample	Total/NA	Water	1668A	785897
LCSD 320-785897/3-A	Lab Control Sample Dup	Total/NA	Water	1668A	785897

Metals

Prep Batch: 8889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-1	RG-South-20240719	Total Recoverable	Water	200.2	
885-8362-3	RG-North-20240717	Total Recoverable	Water	200.2	
MB 885-8889/1-A	Method Blank	Total Recoverable	Water	200.2	
LCS 885-8889/7-A	Lab Control Sample	Total Recoverable	Water	200.2	
LLCS 885-8889/6-A	Lab Control Sample	Total Recoverable	Water	200.2	

Analysis Batch: 9069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-1	RG-South-20240719	Total Recoverable	Water	200.7 Rev 4.4	8889
885-8362-3	RG-North-20240717	Total Recoverable	Water	200.7 Rev 4.4	8889
MB 885-8889/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	8889
LCS 885-8889/7-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	8889
LLCS 885-8889/6-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	8889
MRL 885-9069/15	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	

Analysis Batch: 9151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-1	RG-South-20240719	Total Recoverable	Water	SM 2340B	
885-8362-3	RG-North-20240717	Total Recoverable	Water	SM 2340B	

Metals

Analysis Batch: 9268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-1	RG-South-20240719	Dissolved	Water	200.8	
885-8362-3	RG-North-20240717	Dissolved	Water	200.8	
MB 885-9268/11	Method Blank	Total/NA	Water	200.8	
LCS 885-9268/12	Lab Control Sample	Total/NA	Water	200.8	
MRL 885-9268/10	Lab Control Sample	Total/NA	Water	200.8	
MRL 885-9268/9	Lab Control Sample	Total/NA	Water	200.8	

General Chemistry

Analysis Batch: 8777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-1	RG-South-20240719	Total/NA	Water	SM5210B	
885-8362-3	RG-North-20240717	Total/NA	Water	SM5210B	
USB 885-8777/1	Method Blank	Total/NA	Water	SM5210B	
LCS 885-8777/2	Lab Control Sample	Total/NA	Water	SM5210B	

Prep Batch: 8876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-1	RG-South-20240719	Total/NA	Water	365.2/365.3/365	
885-8362-3	RG-North-20240717	Dissolved	Water	365.2/365.3/365	
885-8362-3	RG-North-20240717	Total/NA	Water	365.2/365.3/365	
MB 885-8876/1-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 885-8876/2-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	
MRL 885-8876/5-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	

Prep Batch: 8919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-1	RG-South-20240719	Total/NA	Water	351.2	
MB 885-8919/33-A	Method Blank	Total/NA	Water	351.2	
LCS 885-8919/35-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-8919/34-A	Lab Control Sample	Total/NA	Water	351.2	

Analysis Batch: 8984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-1	RG-South-20240719	Total/NA	Water	SM 2540D	
885-8362-3	RG-North-20240717	Total/NA	Water	SM 2540D	
MB 885-8984/1	Method Blank	Total/NA	Water	SM 2540D	
LCSSRM 885-8984/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 8994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-1	RG-South-20240719	Total/NA	Water	365.1	8876
885-8362-3	RG-North-20240717	Dissolved	Water	365.1	8876
885-8362-3	RG-North-20240717	Total/NA	Water	365.1	8876
MB 885-8876/1-A	Method Blank	Total/NA	Water	365.1	8876
LCS 885-8876/2-A	Lab Control Sample	Total/NA	Water	365.1	8876
MRL 885-8876/5-A	Lab Control Sample	Total/NA	Water	365.1	8876

Analysis Batch: 9025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-1	RG-South-20240719	Total/NA	Water	SM 4500 H+ B	

General Chemistry (Continued)

Analysis Batch: 9025 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-3	RG-North-20240717	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 9053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-3	RG-North-20240717	Total/NA	Water	2540C	
MB 885-9053/1	Method Blank	Total/NA	Water	2540C	
LCS 885-9053/2	Lab Control Sample	Total/NA	Water	2540C	

Analysis Batch: 9096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-1	RG-South-20240719	Total/NA	Water	351.2	8919
MB 885-8919/33-A	Method Blank	Total/NA	Water	351.2	8919
LCS 885-8919/35-A	Lab Control Sample	Total/NA	Water	351.2	8919
LLCS 885-8919/34-A	Lab Control Sample	Total/NA	Water	351.2	8919

Analysis Batch: 9116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-1	RG-South-20240719	Total/NA	Water	2540C	
MB 885-9116/1	Method Blank	Total/NA	Water	2540C	
LCS 885-9116/2	Lab Control Sample	Total/NA	Water	2540C	

Prep Batch: 9155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-1	RG-South-20240719	Total/NA	Water	SM 4500 NH3 B	
885-8362-3	RG-North-20240717	Total/NA	Water	SM 4500 NH3 B	
MB 885-9155/1-A	Method Blank	Total/NA	Water	SM 4500 NH3 B	
LCS 885-9155/2-A	Lab Control Sample	Total/NA	Water	SM 4500 NH3 B	

Analysis Batch: 9199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-1	RG-South-20240719	Total/NA	Water	SM 4500 NH3 C	9155
885-8362-3	RG-North-20240717	Total/NA	Water	SM 4500 NH3 C	9155
MB 885-9155/1-A	Method Blank	Total/NA	Water	SM 4500 NH3 C	9155
LCS 885-9155/2-A	Lab Control Sample	Total/NA	Water	SM 4500 NH3 C	9155

Prep Batch: 9389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-1	RG-South-20240719	Dissolved	Water	365.2/365.3/365	
MB 885-9389/4-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 885-9389/5-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	
MRL 885-9389/3-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	

Prep Batch: 9417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-3	RG-North-20240717	Total/NA	Water	351.2	
MB 885-9417/3-A	Method Blank	Total/NA	Water	351.2	
LCS 885-9417/5-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-9417/4-A	Lab Control Sample	Total/NA	Water	351.2	

General Chemistry

Analysis Batch: 9503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-1	RG-South-20240719	Total/NA	Water	5220D	
MB 885-9503/4	Method Blank	Total/NA	Water	5220D	
LCS 885-9503/5	Lab Control Sample	Total/NA	Water	5220D	
MRL 885-9503/6	Lab Control Sample	Total/NA	Water	5220D	

Analysis Batch: 9522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-1	RG-South-20240719	Dissolved	Water	365.1	9389
MB 885-9389/4-A	Method Blank	Total/NA	Water	365.1	9389
LCS 885-9389/5-A	Lab Control Sample	Total/NA	Water	365.1	9389
MRL 885-9389/3-A	Lab Control Sample	Total/NA	Water	365.1	9389

Analysis Batch: 9738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-3	RG-North-20240717	Total/NA	Water	351.2	9417
MB 885-9417/3-A	Method Blank	Total/NA	Water	351.2	9417
LCS 885-9417/5-A	Lab Control Sample	Total/NA	Water	351.2	9417
LLCS 885-9417/4-A	Lab Control Sample	Total/NA	Water	351.2	9417

Analysis Batch: 9984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-1	RG-South-20240719	Total/NA	Water	1664B	
885-8362-3	RG-North-20240717	Total/NA	Water	1664B	
MB 885-9984/1	Method Blank	Total/NA	Water	1664B	
LCS 885-9984/2	Lab Control Sample	Total/NA	Water	1664B	
LCSD 885-9984/3	Lab Control Sample Dup	Total/NA	Water	1664B	

Analysis Batch: 11218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-3	RG-North-20240717	Total/NA	Water	5220D	
MB 885-11218/4	Method Blank	Total/NA	Water	5220D	
LCS 885-11218/5	Lab Control Sample	Total/NA	Water	5220D	
MRL 885-11218/6	Lab Control Sample	Total/NA	Water	5220D	

Rad

Prep Batch: 672164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-1	RG-South-20240719	Total/NA	Water	Evaporation	
885-8362-3	RG-North-20240717	Total/NA	Water	Evaporation	
MB 160-672164/1-A	Method Blank	Total/NA	Water	Evaporation	
LCS 160-672164/2-A	Lab Control Sample	Total/NA	Water	Evaporation	
LCSB 160-672164/3-A	Lab Control Sample	Total/NA	Water	Evaporation	

Biology

Analysis Batch: 8824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8362-1	RG-South-20240719	Total/NA	Water	9223B	
MB 885-8824/1	Method Blank	Total/NA	Water	9223B	

Lab Chronicle

Client: Daniel B. Stephens & Associates Inc.
Project/Site: CMC

Job ID: 885-8362-1

Client Sample ID: RG-South-20240719

Lab Sample ID: 885-8362-1

Date Collected: 07/19/24 11:45

Matrix: Water

Date Received: 07/19/24 13:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	178791	NA	EET HOU	07/31/24 22:00
Total/NA	Prep	3511			177360	DR	EET HOU	07/24/24 14:59
Total/NA	Analysis	625.1		1	178568	LPL	EET HOU	07/31/24 09:57
Total/NA	Prep	3511			177123	DS	EET HOU	07/23/24 20:02
Total/NA	Analysis	608.3		1	177230	KM	EET HOU	07/24/24 14:31
Total/NA	Analysis	300.0		1	8830	RC	EET ALB	07/20/24 05:03
Total/NA	Prep	537.1			783394	DGR	EET SAC	07/24/24 05:30
Total/NA	Analysis	537.1		1	785413	SS	EET SAC	07/27/24 12:08
Total/NA	Prep	HRMS-Sep			785897	CS	EET SAC	07/30/24 09:07
Total/NA	Analysis	1668A		1	786998	KT	EET SAC	08/02/24 08:32
Total Recoverable	Prep	200.2			8889	TM	EET ALB	07/22/24 10:41
Total Recoverable	Analysis	200.7 Rev 4.4		5	9069	JR	EET ALB	07/24/24 10:15
Dissolved	Analysis	200.8		1	9268	ES	EET ALB	07/26/24 10:29
Total Recoverable	Analysis	SM 2340B		1	9151	JF	EET ALB	07/25/24 10:26
Total/NA	Analysis	1664B		1	9984	CO	EET ALB	08/09/24 09:50
Total/NA	Analysis	2540C		1	9116	ES	EET ALB	07/25/24 08:48
Total/NA	Prep	351.2			8919	EH	EET ALB	07/22/24 10:30
Total/NA	Analysis	351.2		1	9096	EH	EET ALB	07/24/24 14:51
Dissolved	Prep	365.2/365.3/365			9389	ES	EET ALB	07/30/24 08:10
Dissolved	Analysis	365.1		1	9522	ES	EET ALB	07/31/24 09:54
Total/NA	Prep	365.2/365.3/365			8876	ES	EET ALB	07/22/24 09:49
Total/NA	Analysis	365.1		1	8994	ES	EET ALB	07/23/24 12:13
Total/NA	Analysis	5220D		1	9503	KH	EET ALB	07/31/24 15:01
Total/NA	Analysis	SM 2540D		1	8984	KS	EET ALB	07/23/24 12:52
Total/NA	Analysis	SM 4500 H+ B		1	9025	DL	EET ALB	07/23/24 16:15
Total/NA	Prep	SM 4500 NH3 B			9155	KB	EET ALB	07/25/24 11:04
Total/NA	Analysis	SM 4500 NH3 C		1	9199	KB	EET ALB	07/25/24 14:50
Total/NA	Analysis	SM5210B		1	8777	CO	EET ALB	07/19/24 15:58
Total/NA	Prep	Evaporation			672164	MEH	EET SL	07/24/24 09:30
Total/NA	Analysis	900.0		1	673671	SCB	EET SL	08/05/24 14:40
Total/NA	Analysis	9223B		1	8824	CO	EET ALB	07/19/24 17:45

Client Sample ID: RG-South-BLK-20240719

Lab Sample ID: 885-8362-2

Date Collected: 07/19/24 11:45

Matrix: Water

Date Received: 07/19/24 13:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537.1			783394	DGR	EET SAC	07/24/24 05:30
Total/NA	Analysis	537.1		1	785413	SS	EET SAC	07/27/24 12:16

Client Sample ID: RG-North-20240717

Lab Sample ID: 885-8362-3

Date Collected: 07/17/24 12:30

Matrix: Water

Date Received: 07/19/24 13:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	178618	NA	EET HOU	07/31/24 12:18
Total/NA	Prep	3511			177360	DR	EET HOU	07/24/24 14:59
Total/NA	Analysis	625.1		1	178568	LPL	EET HOU	07/31/24 10:27
Total/NA	Prep	3511			177123	DS	EET HOU	07/23/24 20:02
Total/NA	Analysis	608.3		1	177230	KM	EET HOU	07/24/24 14:42
Total/NA	Analysis	300.0		5	9150	RC	EET ALB	07/24/24 11:46
Total/NA	Prep	537.1			783394	DGR	EET SAC	07/24/24 05:30
Total/NA	Analysis	537.1		1	785401	SS	EET SAC	07/27/24 11:46
Total/NA	Prep	HRMS-Sep			785897	CS	EET SAC	07/30/24 09:07
Total/NA	Analysis	1668A		1	786998	KT	EET SAC	08/02/24 09:34
Total Recoverable	Prep	200.2			8889	TM	EET ALB	07/22/24 10:41
Total Recoverable	Analysis	200.7 Rev 4.4		5	9069	JR	EET ALB	07/24/24 10:19
Dissolved	Analysis	200.8		1	9268	ES	EET ALB	07/26/24 10:32
Total Recoverable	Analysis	SM 2340B		1	9151	JF	EET ALB	07/25/24 10:26
Total/NA	Analysis	1664B		1	9984	CO	EET ALB	08/09/24 09:50
Total/NA	Analysis	2540C		1	9053	ES	EET ALB	07/24/24 11:30
Total/NA	Prep	351.2			9417	DL	EET ALB	07/30/24 12:17
Total/NA	Analysis	351.2		1	9738	DL	EET ALB	08/02/24 14:04
Dissolved	Prep	365.2/365.3/365			8876	ES	EET ALB	07/22/24 09:49
Dissolved	Analysis	365.1		1	8994	ES	EET ALB	07/23/24 12:17
Total/NA	Prep	365.2/365.3/365			8876	ES	EET ALB	07/22/24 09:49
Total/NA	Analysis	365.1		1	8994	ES	EET ALB	07/23/24 12:15
Total/NA	Analysis	5220D		1	11218	KH	EET ALB	08/27/24 14:32
Total/NA	Analysis	SM 2540D		1	8984	KS	EET ALB	07/23/24 12:52
Total/NA	Analysis	SM 4500 H+ B		1	9025	DL	EET ALB	07/23/24 16:19
Total/NA	Prep	SM 4500 NH3 B			9155	KB	EET ALB	07/25/24 11:04
Total/NA	Analysis	SM 4500 NH3 C		1	9199	KB	EET ALB	07/25/24 14:50
Total/NA	Analysis	SM5210B		1	8777	CO	EET ALB	07/19/24 15:58
Total/NA	Prep	Evaporation			672164	MEH	EET SL	07/24/24 09:30
Total/NA	Analysis	900.0		1	673671	SCB	EET SL	08/05/24 14:40

Client Sample ID: EquipBlank-20240717;PFAS

Lab Sample ID: 885-8362-4

Date Collected: 07/17/24 12:45

Matrix: Water

Date Received: 07/19/24 13:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537.1			783394	DGR	EET SAC	07/24/24 05:30
Total/NA	Analysis	537.1		1	785401	SS	EET SAC	07/27/24 11:53

Client: Daniel B. Stephens & Associates Inc.
Job ID: 885-8362-1
Project/Site: CMC

Client Sample ID: Trip Blank
Lab Sample ID: 885-8362-5
Date Collected: 07/17/24 00:00
Matrix: Water
Date Received: 07/19/24 13:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	178534	NA	EET HOU	07/31/24 03:08

Laboratory References:

= Mount Juliet, 12065 Lebanon Road, Mount Juliet, TN 37122

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

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

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: Daniel B. Stephens & Associates Inc. Job ID: 885-8362-1
Project/Site: CMC

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
351.2	351.2	Water	Nitrogen, Total Kjeldahl
5220D		Water	Chemical Oxygen Demand
9223B		Water	Escherichia coli
SM5210B		Water	Biochemical Oxygen Demand

Laboratory: Eurofins Houston

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

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00759	08-03-24
Florida	NELAP	E871002	06-30-25
Louisiana (All)	NELAP	03054	06-30-25
Oklahoma	NELAP	1306	08-31-24
Oklahoma	State	2023-139	08-31-24
Texas	NELAP	T104704215	06-30-25
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26

Laboratory: Eurofins Sacramento

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	09-04-24
ANAB	Dept. of Defense ELAP	L2468	01-20-27
ANAB	Dept. of Energy	L2468.01	01-20-27
ANAB	ISO/IEC 17025	L2468	01-20-27
Arizona	State	AZ0708	08-11-24
Arkansas DEQ	State	88-0691	05-18-25
California	State	2897	01-31-26
Colorado	State	CA00044	08-31-24
Florida	NELAP	E87570	06-30-25
Georgia	State	4040	01-29-25
Hawaii	State	Eurofins Sacramento	01-29-25
Illinois	NELAP	200060	09-09-24
Kansas	NELAP	E-10375	10-31-25
Louisiana	NELAP	01944	06-30-25
Louisiana (All)	NELAP	01944	06-30-25
Maine	State	CA00004	04-14-26
Michigan	State	9947	08-18-24
Nevada	State	CA00044	10-31-24
New Hampshire	NELAP	2997	04-19-25
New Jersey	NELAP	CA005	06-30-25
New York	NELAP	11666	04-01-25
Ohio	State	41252	01-29-25
Oregon	NELAP	4040	01-29-25
Texas	NELAP	T104704399-23-17	05-31-25

Accreditation/Certification Summary

Client: Daniel B. Stephens & Associates Inc. Job ID: 885-8362-1
Project/Site: CMC

Laboratory: Eurofins Sacramento (Continued)

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

Authority	Program	Identification Number	Expiration Date
US Fish & Wildlife	US Federal Programs	A22139	04-30-25
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442023-16	02-28-25
Virginia	NELAP	460278	03-14-25
Washington	State	C581	05-05-25
West Virginia (DW)	State	9930C	01-31-25
Wisconsin	State	998204680	08-07-24
Wyoming	State Program	8TMS-L	01-28-19 *

Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-25
ANAB	Dept. of Defense ELAP	L2305	04-06-25
ANAB	Dept. of Energy	L2305.01	04-08-25
ANAB	ISO/IEC 17025	L2305	04-06-25
Arizona	State	AZ0813	12-08-24
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-25
Connecticut	State	PH-0241	03-31-25
Florida	NELAP	E87689	06-30-25
HI - RadChem Recognition	State	n/a	06-30-25
Illinois	NELAP	200023	11-30-24
Iowa	State	373	12-01-24
Kansas	NELAP	E-10236	10-31-24
Kentucky (DW)	State	KY90125	12-31-24
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-24
Louisiana	NELAP	04080	06-30-22 *
Louisiana (All)	NELAP	04080	06-30-25
Louisiana (DW)	State	LA011	12-31-24
Maryland	State	310	08-25-24
Massachusetts	State	M-MO054	06-30-25
Missouri	State	780	06-30-25
Nevada	State	MO00054	08-23-24
New Jersey	NELAP	MO002	06-30-25
New Mexico	State	MO00054	10-01-24
New York	NELAP	11616	03-31-25
North Carolina (DW)	State	29700	07-31-25
North Dakota	State	R-207	12-31-24
Oklahoma	NELAP	9997	08-31-24
Oregon	NELAP	4157	09-01-24
Pennsylvania	NELAP	68-00540	02-28-25
South Carolina	State	85002001	06-30-24 *
Texas	NELAP	T104704193	07-31-25
US Fish & Wildlife	US Federal Programs	058448	07-31-25
USDA	US Federal Programs	P330-17-00028	05-18-26
Utah	NELAP	MO00054	07-31-25
Virginia	NELAP	460230	06-14-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Client: Daniel B. Stephens & Associates Inc. Job ID: 885-8362-1
Project/Site: CMC

Laboratory: Eurofins St. Louis (Continued)

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

Authority	Program	Identification Number	Expiration Date
Washington	State	C592	08-30-24
West Virginia DEP	State	381	10-31-24

ANALYTICAL REPORT

July 30, 2024

Eurofins - Albuquerque, NM

Sample Delivery Group:	L1759177
Samples Received:	07/23/2024
Project Number:	88501060
Description:	CMC

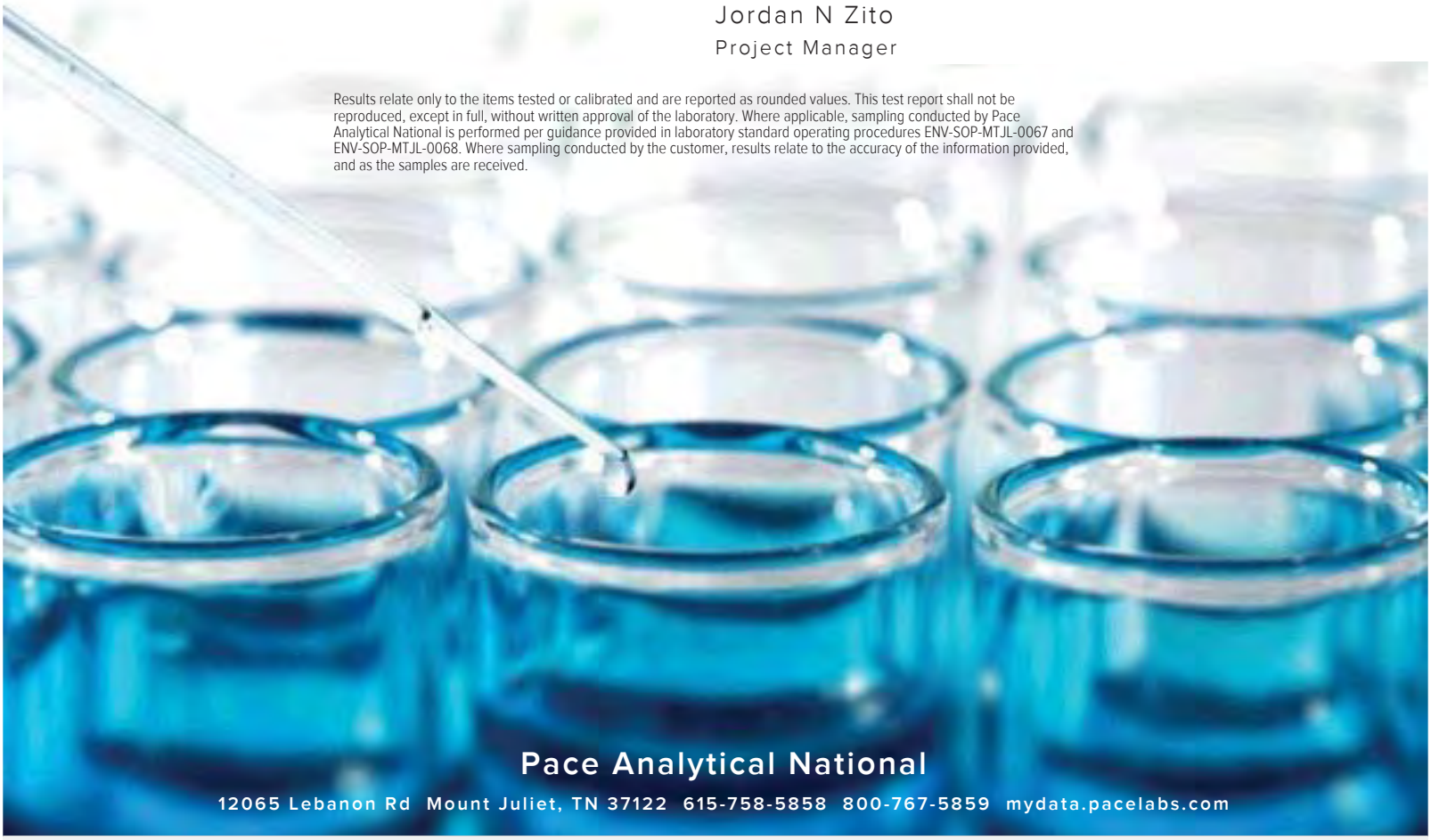
Report To: Michelle Garcia
4901 Hawkins NE
Albuquerque, NM 87109

Entire Report Reviewed By:

[Preliminary Report]

Jordan N Zito
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

TABLE OF CONTENTS

Cp: Cover Page 1

Tc: Table of Contents 2

Ss: Sample Summary 3

Cn: Case Narrative 4

Sr: Sample Results 5

RG-SOUTH-20240719 L1759177-01 5

RG-NORTH-20240719 L1759177-02 6

Qc: Quality Control Summary 7

Wet Chemistry by Method 3500Cr C-2011 7

Gl: Glossary of Terms 8

Al: Accreditations & Locations 9

Sc: Sample Chain of Custody 10

RG-SOUTH-20240719 L1759177-01 GW

	Collected by	Collected date/time	Received date/time
		07/19/24 11:45	07/23/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 3500Cr C-2011	WG2327377	1	07/29/24 14:28	07/29/24 14:28	SET	Mt. Juliet, TN

RG-NORTH-20240719 L1759177-02 GW

	Collected by	Collected date/time	Received date/time
		07/17/24 12:30	07/23/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 3500Cr C-2011	WG2327377	1	07/29/24 14:48	07/29/24 14:48	SET	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

[Preliminary Report]

Jordan N Zito
Project Manager

Wet Chemistry by Method 3500Cr C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Hexavalent Chromium	ND		0.000500	1	07/29/2024 14:28	WG2327377

Wet Chemistry by Method 3500Cr C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Hexavalent Chromium	ND		0.000500	1	07/29/2024 14:48	WG2327377

Method Blank (MB)

(MB) R4099957-1 07/29/24 11:23

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Hexavalent Chromium	U		0.000150	0.000500

L1759171-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1759171-01 07/29/24 13:40 • (DUP) R4099957-5 07/29/24 13:49

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Hexavalent Chromium	ND	ND	1	0.000		20

L1759177-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1759177-01 07/29/24 14:28 • (DUP) R4099957-6 07/29/24 14:38

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Hexavalent Chromium	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4099957-2 07/29/24 11:33

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexavalent Chromium	0.00200	0.00194	97.0	90.0-110	

L1758702-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1758702-01 07/29/24 11:52 • (MS) R4099957-3 07/29/24 12:02 • (MSD) R4099957-4 07/29/24 12:12

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Hexavalent Chromium	0.0500	ND	0.0478	0.0483	95.7	96.6	1	90.0-110			0.915	20

L1760660-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1760660-01 07/29/24 16:06 • (MS) R4099957-7 07/29/24 16:16

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	0.0500	ND	0.0481	96.1	1	90.0-110	

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
	The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque, NM 87109
Phone: 505-345-3975 Fax: 505-345-4107

Chain of Custody Record

J200

nent Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Cason, Cheyenne	Carrier Tracking No(s):	COC No: 885-1289.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: cheyenne.cason@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Pace Analytical Services LLC		Accreditations Required (See note): NELAP - Oregon		Job #: 885-8362-1
Address: 12065 Lebanon Road, ,	Due Date Requested: 8/19/2024	Analysis Requested		Preservation Codes:
City: Mount Juliet	TAT Requested (days):			
State, Zip: TN, 37122				
Phone:	PO #:			
Email:	WO #:			
Project Name: CMC	Project #: 88501060			
Site:	SSOW#:			Other: L139177

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUB (3500Cr C-2011 Cr6)/ 3500Cr C-2011 Cr6	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
RG-South-20240719 (885-8362-1)	7/19/24	11:45 Mountain		Water			X	1	-01
RG-North-20240717 (885-8362-3)	7/17/24	12:30 Mountain		Water			X	1	-02

Sample Receipt Checklist
COC Seal Present/Intact: Y N — If Applicable
COC Signed/Accurate: Y N — VOA Zero Headspace: Y N
Bottles arrive intact: Y N — Pres. Correct/Check: Y N
Correct bottles used: Y N EDA9 4.6+0.3=4.9
Sufficient volume sent: Y N
RA screen <0.5 mR/hr: Y N 7775 4721 5158

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	7/22/24 1445				
2				[signature]	7-23-24 0900	
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

ICOC No:
885-1289

Containers

Count	Container Type	Preservative
2	Other Client Container - preserved	None

L1757177

Chain-of-Custody Record

Client: DBS+A

Mailing Address: 6020 Academy Rd NE
Site loc ABQ NM

Phone #: 505-822-9400

email or Fax#: CJohannesen@geo-log.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush

Project Name: CMC

Project #: D1323.1263

Project Manager: Chuck Johannesen

Sampler:

On Ice: ☒ Yes ☐ No

# of Coolers: 2

Cooler Temp (including CF): See Remarks (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107
885-8362 COC

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	PFAS	E. Coli	See Attached List
7/19/24	~~1105~~ 1115	Water	RG-South-20240719														✓	✓	✓
~~7/19/24~~	~~1105~~	~~Water~~	~~RG-South-DUP-20240719~~																
7/19/24	1105	Water	RG-South-BTEX-20240719														✓		
7/17/24	1230	Water	RG-North-20240717														✓	✓	✓
7/17/24	1245	Water	EquipBlank-20240717 PFAS														✓		
			Trip Blank																

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
7/19/24	1327	DBS+A		CPO		13:27
Date	Time	Relinquished by:	Received by:	Via:	7/19/24 Date	Time

Remarks:
1.) 4.5 +0.1 = 4.6 °C
2.) 18.7 +0.1 = 18.8 °C Yogi

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Collaborative Monitoring Cooperative - Analyses List
Attach to Chain of Custody

Please refer to attached NPDES Permit No. NMR04A00 Appendix F. Methods and minimum quantification levels (MQL's) will be those approved under 40 CFR 136 and specified in the attached permit

Analyte (Bold Indicates WQS)	CAS #	Fraction	Method #	MDL (µg/L)
Hardness (Ca + Mg)	NA	Total	200.7	2.4
Lead	7439-92-1	Dissolved	200.8	0.09
Copper	7440-50-8	Dissolved	200.8	1.06
Ammonia + organic nitrogen	7664-41-7	Total	350.1	31.32
Total Kjehldal Nitrogen	17778-88-0	Total	351.2	58.78
Nitrate + Nitrite	14797-55-8	Total	353.2	10.17
Polychlorinated biphenyls (PCBs)	1336-36-3	Total	1668	0.014
Tetrahydrofuran (THF)	109-99-9	Total	624.1	7.9
bis(2-Ethylhexyl)phthalate	117-81-7	Total	625.1	0.2
Dibenzofuran	132-64-9	Total	625.1	0.2
Indeno(1,2,3-cd)pyrene	193-39-5	Total	610	0.2
Benzo(b)fluoranthene	205-99-2	Total	610	0.1
Benzo(k)fluoranthene	207-08-9	Total	610	0.1
Chrysene	218-01-9	Total	610	0.2
Benzo(a)pyrene	**50-32-8**	**Total**	**610**	**0.3**
Dibenzo(a,h)anthracene	53-70-3	Total	610	0.3
Benzo(a)anthracene	56-55-3	Total	610	0.2
Dieldrin	60-57-1	Total	625.1	0.1
Pentachlorophenol	87-86-5	Total	604	0.2
Benzidine	92-87-5	Total	604	0.1
Chemical Oxygen Demand	E1641638[2]	Total	HACH	5100
Gross alpha (adjusted)	NA	Total	Method 900	0.1 pCi/L
Total Dissolved Solids	E1642222[2]	Total	SM 2540C	60.4
Total Suspended Solids	NA	Total	SM 2540D	3450
Biological Oxygen Demand	N/A	Total	Standard Methods	930
Oil and Grease		Total	1664A	5000
Ecoli			SM 9223B	
pH			SM 4500	
Phosphorus		Dissolved	365.1	100
Phosphorus		Total	365.1	100
Chromium IV		Total	3500Cr C-2011	100
Per- and polyfluorinated alkyl substances (PFAS)			537.1	

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque, NM 87109
Phone: 505-345-3975 Fax: 505-345-4107

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Cason, Cheyenne	Carrier Tracking No(s):	COC No: 885-1292.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: cheyenne.cason@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Oregon		Job #: 885-8362-1
Address: 13715 Rider Trail North,	Due Date Requested: 8/21/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: CMC	Project #: 88501060			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	900.0/Evaporation Adjusted Gross Alpha	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
RG-South-20240719 (885-8362-1)	7/19/24	11:45 Mountain		Water			X	1	
RG-North-20240717 (885-8362-3)	7/17/24	12:30 Mountain		Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time: 7/22/24 @ 1505	Company	Received by: Richard Thornley	Date/Time: JUL 23 2024 0900	Company: ETASTL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 04/02/2024

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque, NM 87109
Phone. 505-345-3975 Fax: 505-345-4107

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Cason, Cheyenne	Carrier Tracking No(s):	COC No: 885-1285 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: cheyenne cason@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing Northern Ca		Accreditations Required (See note): NELAP - Oregon		Job #: 885-8362-1
Address: 880 Riverside Parkway,	Due Date Requested: 8/22/2024			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: CMC	Project #: 88501060			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1668A/HRMS_Sep_P Full List (209)	537 1/537 1_Prep EPA 537 1 18 Analytes	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
RG-South-20240719 (885-8362-1)	7/19/24	11 45 Mountain		Water			X	X	2	
RG-South-BLK-20240719 (885-8362-2)	7/19/24	11 45 Mountain		Water				X	2	
RG-North-20240717 (885-8362-3)	7/17/24	12 30 Mountain		Water			X	X	2	
EquipBlank-20240717 PFAS (885-8362-4)	7/17/24	12 45 Mountain		Water				X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements.

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks:

Ver 04/02/2024

Lisandra Torrez



From: Cheyenne Cason
Sent: Wednesday, July 24, 2024 4:48 PM
To: Xenco - Houston Sample Custody
Subject: incorrectly shipped samples 8362-1 and -3

Follow Up Flag: Flag for follow up
Flag Status: Flagged

Verified Sender: This email is from an internal and/or verified domain which passed security verifications. Remember to still be cautious with personal data and follow company policies.

Hello,

We incorrectly shipped some samples would it be possible to get these bottles sipped to Eurofins Sacramento, 880 Riverside Parkway West Sacramento, CA 95605 Our fedex number is 187985773. You received 5 or 6 1 l amber glass bottles for each sample but should only have received 3. If you could ship 2 from each sample please, if you cannot ship to Sacramento could they be shipped back to us so we can send them to the correct lab. Thank you for your help!

	Amber Glass 1 liter - unpreserve	[redacted]	885-8362-T-1
	Amber Glass 1 liter - unpreserve		885-8362-U-1
	Amber Glass 1 liter - unpreserve		885-8362-V-1
	Amber Glass 1 liter - unpreserve		885-8362-W-1
	Amber Glass 1 liter - unpreserve		885-8362-X-1
	Amber Glass 1 liter - unpreserve		885-8362-Y-1
	Amber Glass 1 liter - unpreserve	[redacted]	885-8362-T-3
	Amber Glass 1 liter - unpreserve		885-8362-U-3
	Amber Glass 1 liter - unpreserve		885-8362-V-3
	Amber Glass 1 liter - unpreserve		885-8362-W-3
	Amber Glass 1 liter - unpreserve		885-8362-X-3

Cheyenne Cason
Project Manager
Eurofins Albuquerque, NM (Formerly Hall Environmental)
4901 Hawkins NE, Albuquerque, NM, 87109
Office 505) 345-3975
Direct (505) 338-8812
Cheyenne.Cason@et.eurofinsus.com

New webportal for samples submitted to our lab after 3/3/2024
https://eol.et.eurofinsus.com/myEOL/

Eurofins requests 2 week notice for bottle kits

EESNU 7.26.24 930 2.96

This e-mail including its attachments may contain confidential and proprietary information. Any unauthorized disclosure or use of this e-mail including its attachments is prohibited and may be prosecuted. If you are not the intended recipient, please inform the sender by an e-mail reply and delete the message. Transmission by e-mail is not secure and can result in errors or omissions in the content of the message. Despite state-of-the-art precautions we cannot guarantee that e-mails and attachments are free from viruses. We accept no liability for viruses or any transmission-related errors and omissions. You need to always virus-check any e-mails and attachments. Eurofins companies are independent legal entities that are bound only by members of their management bodies. No other persons have representation power unless specifically authorised by proxy or other legal means.

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Sacramento Sample Receiving Notes (SSRN)

Job: ____ 885-8362 Field Sheet

Tracking # 777545663754

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier
GSL / OnTrac / Goldstreak / USPS / Other ____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations
File in the job folder with the COC

Therm. ID: L-11 Corr. Factor (+ / -) ____ °C

Ice ____ Wet ____ Gel 1 Other ____

Cooler Custody Seal: Seal

Cooler ID ____

Temp Observed 2.7 °C Corrected 2.7 °C

From: Temp Blank ☐ Sample ☒

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials ____ Date 7.23.24

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
COC is complete w/o discrepancies	☒	☐	☐
Sample custody seal?	☐	☐	☒
Sample containers have legible labels?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Is the Field Sampler's name on COC?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials ____ Date 7.23.24

Notes: ____

Trizma Lot #(s): 0000274286

Ammonium Acetate Lot #(s) ____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
NCM Filed?	☐	☐	☒
Samples received within hold time?	☐	☐	☒
Log Release checked in TALS?	☐	☐	☒

Initials ____ Date 7.23.24

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Sacramento Sample Receiving Notes (SSRN)

Tracking # 777605740315

Job:__ 885-8362 Field Sheet

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier
GSL / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC

Therm. ID: IR11 Corr. Factor: (+ / -) _____ °C

Ice 1 Wet 1 Gel _____ Other _____

Cooler Custody Seal: _____

Cooler ID: _____

Temp Observed 2.9 °C Corrected: 2.9 °C

From Temp Blank ☐ Sample ☒

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: _____ Date: 7.26.24

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
COC is complete w/o discrepancies	☒	☐	☐
Sample custody seal?	☐	☐	☒
Sample containers have legible labels?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Is the Field Sampler's name on COC?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: _____ Date: 7.26.24

Notes: _____

Trizma Lot #(s) _____

Ammonium Acetate Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
NCM Filed?	☐	☐	☒
Samples received within hold time?	☒	☐	☐
Log Release checked in TALS?	☒	☐	☐

Initials _____ Date: 7.26.24

Login Sample Receipt Checklist

Client: Daniel B. Stephens & Associates Inc.

Job Number: 885-8362-1

Login Number: 8362

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

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

Login Sample Receipt Checklist

Client: Daniel B. Stephens & Associates Inc.

Job Number: 885-8362-1

Login Number: 8362
List Number: 4
Creator: Baker, Jeremiah

List Source: Eurofins Houston
List Creation: 07/23/24 01:51 PM

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

Login Sample Receipt Checklist

Client: Daniel B. Stephens & Associates Inc.

Job Number: 885-8362-1

Login Number: 8362
List Number: 3
Creator: Simmons, Jason C

List Source: Eurofins Sacramento
List Creation: 07/23/24 11:22 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	Seal
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.7c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Daniel B. Stephens & Associates Inc.

Job Number: 885-8362-1

Login Number: 8362

List Number: 5

Creator: Simmons, Jason C

List Source: Eurofins Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.9c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Daniel B. Stephens & Associates Inc.

Job Number: 885-8362-1

Login Number: 8362
List Number: 2
Creator: Thornley, Richard W

List Source: Eurofins St. Louis
List Creation: 07/23/24 01:12 PM

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

ATTACHMENT 2

FY 2025 WET SEASON COMPLETED DATA VERIFICATION AND VALIDATION (V&V) FORMS

Attachment 1.1 Water Quality Sample Data Verification and Validation Worksheet

Study Name: Compliance Monitoring Cooperative (CMC)
Year: FY 2025 (July 2024 – Wet Season Sample)
Project Coordinator: For Data Review and Reporting – SJG, BHI
V&V Reviewer: SJG
Data covered by this worksheet: Rio Grande (RG) North – 7/17/2024
Version of Verification/Validation Procedures: QAPP –AMAFCA SOP #5 (7/2022)

Step 1: Verify Field Data

A. Are all Field Data forms present and complete? ☒ Yes ☐ No

If yes, proceed; if no, attempt to locate missing forms, then indicate any remaining missing forms and action taken.

Missing Field Data Forms	Action Taken

Total number of occurrences: 0

B. Are station name and ID, and sampling date and time on forms consistent with database? ☒ Yes ☐ No
If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

Station and Parameter	Action Taken	Re-verified?

Total number of occurrences: 0

C. Are field data on forms consistent with database? ☒ Yes ☐ No
If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

Station	Sampling Date	Parameter(s) Corrected	Re-verified?

Total number of occurrences: 0

D. Are RIDs correct and associated with the correct analytical suite, media subdivision (e.g. surface water, municipal waste, etc.) and activity type (e.g. Field observation, Routine sample, QA sample etc.)?
☒ Yes ☐ No

If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify

Station/RID	Sampling Date	RID Corrected	Re-verified?

Total number of occurrences: 0

☒ **Step 1 Completed** ***Initials:*** SJG ***Date:*** 4/7/2025

- -

Step 2: Verify Data Deliverables

A. Have all data in question been delivered? ☒ Yes ☐ No

If yes, proceed; if no, indicate RIDs with missing data (samples or blanks) or attach report with applicable RIDs highlighted. Contact data source and indicate action taken. Complete this step upon receipt of all missing data.

RID	Submittal Date	Missing Data/Parameters	Date of Initial Verification	Date Missing Data Were Received

Total number of occurrences: 0

B. Do all of the analytical suites have the correct number and type of analytes. ☐ Yes ☒ No

If yes, proceed; if no, indicate RIDs with missing or incorrect analyte(s) or attach report with applicable RIDs highlighted. Contact data source and indicate action taken.

RID	Submittal Date	Missing or Incorrect Parameters	Action Taken	Re-verified?
	.	Refer to Step 4 for list and missing analytes.		

Total number of occurrences: 0

☒ **Step 2 Completed** ***Initials:*** SJG ***Date:*** 4/7/2025

- -

Step 3: Verify Flow Data

*Note – Not Applicable – no flow data provided with CMC sample collection

A. Identify incorrect or missing data on the flow calculation spreadsheet and correct errors.

Station	Sampling Date	Flow data missing or incorrect?
_____	_____	_____

Total number of occurrences: 0

B. Identify incorrect or missing discharge measurements, correct errors in database and re-verify.

Station	Sampling Date	Flow data missing or incorrect?	Re-verified?
_____	_____	_____	_____

Total number of occurrences: 0

Not Applicable

☐ **Step 3 Completed** ***Initials:*** SJG ***Date:*** 4/7/2025

- -

Step 4: Verify Analytical Results for Missing Information or Questionable Results

Were any results with missing/questionable information identified? ☒ Yes ☐ No

If no, proceed; if yes, indicate results with missing information or questionable results or attach report. Contact data source and indicate action taken. Complete this step upon receipt of missing information or clarification of questionable results (clarify questionable results only, DO NOT change results without written approval (from lab or QA officer) and associated documentation).

RID	Sample Date	Missing or Questionable Information/Results	Action Taken
Rio Grande North	7/17/2024	Lab report did not include results for adjusted Gross Alpha. Gross alpha was well below the WQS, so not concerned with adjusted value not being reported.	Notified AMAFCA (CMC member) of the missing parameter.
Rio Grande North	7/17/2024	Lab report did not include results for PFAS (filtered).	Notified AMAFCA (CMC member) of the missing parameter.

Eurofins Job ID: 885-8362-1.

Total number of occurrences: 2

☒ **Step 4 Completed** ***Initials:*** SJG ***Date:*** 4/7/2025

Step 5: Validate Blanks Results
Were any analytes of concern detected in blank samples? ☐ Yes ☒ No

If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager, with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes have been added to database correctly.

RID	Sample Date	Parameter	[Blank]	[Sample]	Validation Code/Flag Applied	Code/Flag verified in database? *

*See validation procedures to determine which associated data need to be flagged and include on *Validation Codes Form*.

Total number of occurrences: 0

☒ **Step 5 Completed** ***Initials:*** SJG ***Date:*** 4/7/2025

Step 6: Validate Holding Times Violations
Were any samples submitted that did not meet specified holding times? ☒ Yes ☐ No

If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes/flags have been added to database.

RID	Sample Date	Parameter	[Blank]	[Sample]	Validation Code/Flag Applied	Code/Flag verified in database to ALL associated data?*
Rio Grande North	7/17/2024	BOD		Yes. North sample held until qualifying event confirmed. Hold time violation expected.	H	Yes
Rio Grande North	7/17/2024	COD		Yes. North sample held until qualifying event confirmed. Hold time violation expected.	H	Yes

*See validation procedures to determine which associated data need to be flagged.
*Note – Lab reports lists pH with hold time flag. Database uses field data reported pH, so this is hold time is not applicable.

The BOD has a hold time flag. The Rio Grande North sample was held until the CMC was sure the monitoring event was a qualifying storm event. This led to the hold time flag for BOD.

Total number of occurrences: 2

☒ **Step 6 Completed** ***Initials:*** SJG ***Date:*** 4/7/2025

- -

Step 7: Validate Replicate/Duplicate Results (if applicable)
Were any replicate/duplicate pairs submitted outside of the established control limit of 20%?
☒ Yes ☐ No
If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes/flags have been added to database.

RID Pairs		Replicate or Duplicate?	Sample Date	Parameter	RPD	Validation Code/Flag Applied	Code/Flag verified in database applied?*
Rio Grande North	Lab Duplicate	Lab Duplicate	7/17/2024	1 Semivolatile Organic Compound, Bis (2-ethyhexyl) Phthalate (other names: Di(2-ethylhexly)phthalate, DEHP) - 2.2		yes	*+

Total number of occurrences: 1

☒ **Step 7 Completed** ***Initials:*** SJG ***Date:*** 4/7/2025

****

After all of the above steps have been completed, save and print the worksheet, attach all applicable supplemental information and sign below.

I acknowledge that the data verification and validation process has been completed for the data identified above in accordance with the procedures described in the CMC QAPP, SOP #2



4/7/2025

Data Verifier/Validator Signature Date

COMPLETION OF DATA VERIFICATION AND VALIDATION PROCESS

Once the data verification and validation process has been completed for the entire study (note: if the worksheet is for a subset of the data from a study, be sure ALL the data for the entire study is included before final completion of the data verification and validation process), notify the NMSQUID administrator that the process is complete and request that “V V in STORET” be added to the project title.

Once all data have been verified and validated for a study provide copies of ALL *Data Verification and Validation Worksheets* and attachments associated with the study to the Quality Assurance Officer and retain originals in the project binder.

Attachment 1.2 SWQB Validation Codes

When deficiencies are identified through the data verification and validation process, AMAFCA documents or "flags" the deficiencies by assigning validation codes. All data collected from the last compliant QC sample and up to the next compliant QC sample are assigned validation codes. The validation code alerts the data user that the results are outside QA control limits and may require re-sampling or a separate, qualitative analysis based on professional judgment.

Validation Code	Definition	WQX Equivalent
A1	Sample not collected according to SOP	
B1	Chemical was detected in the field blank at a concentration less than 5% of the sample concentration.	
BN	Blanks NOT collected during sampling run	
BU	Detection in blank. Analyte was not detected in this sample above the method's sample detection limit.	BU
RB1	Chemical was detected in the field blank at a concentration greater than or equal to 5% of the sample concentration. Results for this sample are rejected because they may be the result of contamination; the results may not be reported or used for regulatory compliance purposes.	B
R1	Rejected due to incorrect sample preservation	R
R2	Rejected due to equipment failure in the field	R
R3	Rejected based on best professional judgment	R
D1	Spike recovery not within method acceptance limits	
F1	Sample filter time exceeded	
J1	Estimated: the analyte was positively identified and the associated value is an approximate concentration of the analyte in the sample	J
K1	Holding time violation	H
Ea	Estimated-Incubation temperature between 35.5 and 38.0° Celsius	
Er	Rejected-Incubation temperature < 34.5 or >38.0° Celsius	
PD1	Percent difference between duplicate samples excessive	
S1	Per SLD, uncertainties (sigmas) are expressed as one standard deviation, i.e. one standard error. Small negative or positive values that are less than two standard deviations should be interpreted as "less than the detection limit."	
S2	Data are suspect but deemed usable based on best professional judgment; documentation of justification is required and should be included in the Data Verification and Validation Packet and reported with results	
Z1	Macroinvertebrate data did not meet QC criteria specified in Section 2.5 of QAPP	
H1	Habitat data did not meet QC criteria specified in Section 2.5 of QAPP	

Attachment 1.1 Water Quality Sample Data Verification and Validation Worksheet

Study Name: Compliance Monitoring Cooperative (CMC)
Year: FY 2025 (July 2024 – Wet Season Sample)
Project Coordinator: For Data Review and Reporting – SJG, BHI
V&V Reviewer: SJG
Data covered by this worksheet: Alameda – 7/17/2024– E. coli Only Sample
Version of Verification/Validation Procedures: QAPP –AMAFCA SOP #5 (7/2022)

Step 1: Verify Field Data

A. Are all Field Data forms present and complete? ☒ Yes ☐ No

If yes, proceed; if no, attempt to locate missing forms, then indicate any remaining missing forms and action taken.

Missing Field Data Forms	Action Taken
_____	_____
_____	_____

Total number of occurrences: 0

B. Are station name and ID, and sampling date and time on forms consistent with database? ☒ Yes ☐ No
If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

Station and Parameter	Action Taken	Re-verified?
_____	_____	_____
_____	_____	_____

Total number of occurrences: 0

C. Are field data on forms consistent with database? ☒ Yes ☐ No
If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

Station	Sampling Date	Parameter(s) Corrected	Re-verified?
_____	_____	_____	_____
_____	_____	_____	_____

Total number of occurrences: 0

D. Are RIDs correct and associated with the correct analytical suite, media subdivision (e.g. surface water, municipal waste, etc.) and activity type (e.g. Field observation, Routine sample, QA sample etc.)?
☒ Yes ☐ No

If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify

Station/RID	Sampling Date	RID Corrected	Re-verified?

Total number of occurrences: 0

☒ **Step 1 Completed** ***Initials:*** SJG ***Date:*** 3/4/2025

- -

Step 2: Verify Data Deliverables
A. Have all data in question been delivered? ☒ Yes ☐ No

If yes, proceed; if no, indicate RIDs with missing data (samples or blanks) or attach report with applicable RIDs highlighted. Contact data source and indicate action taken. Complete this step upon receipt of all missing data.

RID	Submittal Date	Missing Data/Parameters	Date of Initial Verification	Date Missing Data Were Received

Total number of occurrences: 0

B. Do all of the analytical suites have the correct number and type of analytes. ☒ Yes ☐ No

If yes, proceed; if no, indicate RIDs with missing or incorrect analyte(s) or attach report with applicable RIDs highlighted. Contact data source and indicate action taken.

RID	Submittal Date	Missing or Incorrect Parameters	Action Taken	Re-verified?

☒ **Step 2 Completed** ***Initials:*** SJG ***Date:*** 3/4/2025

- -

Step 3: Verify Flow Data

*Note – Not Applicable – no flow data provided with CMC sample collection

A. Identify incorrect or missing data on the flow calculation spreadsheet and correct errors.

Station	Sampling Date	Flow data missing or incorrect?

Total number of occurrences: 0

B. Identify incorrect or missing discharge measurements, correct errors in database and re-verify.

Station	Sampling Date	Flow data missing or incorrect?	Re-verified?

Total number of occurrences: 0

Not Applicable

☐ **Step 3 Completed** ***Initials:*** SJG ***Date:*** 3/4/2025

- -

Step 4: Verify Analytical Results for Missing Information or Questionable Results

Were any results with missing/questionable information identified? ☐ Yes ☒No

If no, proceed; if yes, indicate results with missing information or questionable results or attach report. Contact data source and indicate action taken. Complete this step upon receipt of missing information or clarification of questionable results (clarify questionable results only, DO NOT change results without written approval (from lab or QA officer) and associated documentation).

RID	Sample Date	Missing or Questionable Information/Results	Action Taken

Total number of occurrences: 0

☒ **Step 4 Completed** ***Initials:*** SJG ***Date:*** 3/4/2025

- -

Step 5: Validate Blanks Results
Were any analytes of concern detected in blank samples? ☐ Yes ☒ No

If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager, with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes have been added to database correctly.

RID	Sample Date	Parameter	[Blank]	[Sample]	Validation Code/Flag Applied	Code/Flag verified in database? *

*See validation procedures to determine which associated data need to be flagged and include on *Validation Codes Form*.

Total number of occurrences: 0

☒ **Step 5 Completed** ***Initials:*** SJG ***Date:*** 3/4/2025

Step 6: Validate Holding Times Violations
Were any samples submitted that did not meet specified holding times? ☐ Yes ☒ No

If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes/flags have been added to database.

RID	Sample Date	Parameter	[Blank]	[Sample]	Validation Code/Flag Applied	Code/Flag verified in database to ALL associated data?*

*See validation procedures to determine which associated data need to be flagged.
Total number of occurrences: 0

☒ **Step 6 Completed** ***Initials:*** SJG ***Date:*** 3/4/2025

Step 7: Validate Replicate/Duplicate Results (if applicable)
Were any replicate/duplicate pairs submitted outside of the established control limit of 20%?
☐ Yes ☒ No

If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes/flags have been added to database.

RID Pairs		Replicate or Duplicate?	Sample Date	Parameter	RPD	Validation Code/Flag Applied	Code/Flag verified in database applied?*
_____	_____	_____	_____	_____	_____		_____
_____	_____	_____	_____	_____	_____		_____

N/A – no duplicate/replicate results

Total number of occurrences: 0

☒ **Step 7 Completed** ***Initials:*** SJG ***Date:*** 3/4/2025

****

After all of the above steps have been completed, save and print the worksheet, attach all applicable supplemental information and sign below.

I acknowledge that the data verification and validation process has been completed for the data identified above in accordance with the procedures described in the CMC QAPP, SOP #2



3/4/2025

Data Verifier/Validator Signature Date

COMPLETION OF DATA VERIFICATION AND VALIDATION PROCESS

Once the data verification and validation process has been completed for the entire study (note: if the worksheet is for a subset of the data from a study, be sure ALL the data for the entire study is included before final completion of the data verification and validation process), notify the NMSQUID administrator that the process is complete and request that “V V in STORET” be added to the project title.

Once all data have been verified and validated for a study provide copies of ALL *Data Verification and Validation Worksheets* and attachments associated with the study to the Quality Assurance Officer and retain originals in the project binder.

Attachment 1.2 SWQB Validation Codes

When deficiencies are identified through the data verification and validation process, AMAFCA documents or "flags" the deficiencies by assigning validation codes. All data collected from the last compliant QC sample and up to the next compliant QC sample are assigned validation codes. The validation code alerts the data user that the results are outside QA control limits and may require re-sampling or a separate, qualitative analysis based on professional judgment.

Validation Code	Definition	WQX Equivalent
A1	Sample not collected according to SOP	
B1	Chemical was detected in the field blank at a concentration less than 5% of the sample concentration.	
BN	Blanks NOT collected during sampling run	
BU	Detection in blank. Analyte was not detected in this sample above the method's sample detection limit.	BU
RB1	Chemical was detected in the field blank at a concentration greater than or equal to 5% of the sample concentration. Results for this sample are rejected because they may be the result of contamination; the results may not be reported or used for regulatory compliance purposes.	B
R1	Rejected due to incorrect sample preservation	R
R2	Rejected due to equipment failure in the field	R
R3	Rejected based on best professional judgment	R
D1	Spike recovery not within method acceptance limits	
F1	Sample filter time exceeded	
J1	Estimated: the analyte was positively identified and the associated value is an approximate concentration of the analyte in the sample	J
K1	Holding time violation	H
Ea	Estimated-Incubation temperature between 35.5 and 38.0° Celsius	
Er	Rejected-Incubation temperature < 34.5 or >38.0° Celsius	
PD1	Percent difference between duplicate samples excessive	
S1	Per SLD, uncertainties (sigmas) are expressed as one standard deviation, i.e. one standard error. Small negative or positive values that are less than two standard deviations should be interpreted as "less than the detection limit."	
S2	Data are suspect but deemed usable based on best professional judgment; documentation of justification is required and should be included in the Data Verification and Validation Packet and reported with results	
Z1	Macroinvertebrate data did not meet QC criteria specified in Section 2.5 of QAPP	
H1	Habitat data did not meet QC criteria specified in Section 2.5 of QAPP	

Attachment 1.1 Water Quality Sample Data Verification and Validation Worksheet

Study Name: Compliance Monitoring Cooperative (CMC)
Year: FY 2025 (July 2024 – Wet Season Sample)
Project Coordinator: For Data Review and Reporting – SJG, BHI
V&V Reviewer: SJG
Data covered by this worksheet: Rio Grande South – 7/19/2024
Version of Verification/Validation Procedures: QAPP –AMAFCA SOP #5 (7/2022)

Step 1: Verify Field Data

A. Are all Field Data forms present and complete? ☒ Yes ☐ No

If yes, proceed; if no, attempt to locate missing forms, then indicate any remaining missing forms and action taken.

Missing Field Data Forms	Action Taken
_____	_____
_____	_____

Total number of occurrences: 0

B. Are station name and ID, and sampling date and time on forms consistent with database? ☒ Yes ☐ No
If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

Station and Parameter	Action Taken	Re-verified?
_____	_____	_____
_____	_____	_____

Total number of occurrences: 0

C. Are field data on forms consistent with database? ☒ Yes ☐ No
If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

Station	Sampling Date	Parameter(s) Corrected	Re-verified?
_____	_____	_____	_____
_____	_____	_____	_____

Total number of occurrences: 0

D. Are RIDs correct and associated with the correct analytical suite, media subdivision (e.g. surface water, municipal waste, etc.) and activity type (e.g. Field observation, Routine sample, QA sample etc.)?
☒ Yes ☐ No

If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify

Station/RID	Sampling Date	RID Corrected	Re-verified?

Total number of occurrences: 0

☒ **Step 1 Completed** ***Initials:*** SJG ***Date:*** 3/4/2025

- - - -

Step 3: Verify Flow Data

*Note – Not Applicable – no flow data provided with CMC sample collection

A. Identify incorrect or missing data on the flow calculation spreadsheet and correct errors.

Station	Sampling Date	Flow data missing or incorrect?

Total number of occurrences: 0

B. Identify incorrect or missing discharge measurements, correct errors in database and re-verify.

Station	Sampling Date	Flow data missing or incorrect?	Re-verified?

Total number of occurrences: 0

Not Applicable

☐ **Step 3 Completed** ***Initials:*** SJG ***Date:*** 3/4/2025

- -

Step 4: Verify Analytical Results for Missing Information or Questionable Results

Were any results with missing/questionable information identified? ☒ Yes ☐ No

If no, proceed; if yes, indicate results with missing information or questionable results or attach report. Contact data source and indicate action taken. Complete this step upon receipt of missing information or clarification of questionable results (clarify questionable results only, DO NOT change results without written approval (from lab or QA officer) and associated documentation).

RID	Sample Date	Missing or Questionable Information/Results	Action Taken
Rio Grande South	7/19/2024	Lab report did not include results for adjusted Gross Alpha. Gross alpha was well below the WQS, so not concerned with adjusted value not being reported.	Notified AMAFCA (CMC member) of the missing parameter.
Rio Grande South	7/19/2024	Lab report did not include results for PFAS (filtered).	Notified AMAFCA (CMC member) of the missing parameter.

*Note – Eurofins Job ID: 885-8362-1

Total number of occurrences: 2

☒ **Step 4 Completed** ***Initials:*** SJG ***Date:*** 3/4/2025

- -

Step 5: Validate Blanks Results
Were any analytes of concern detected in blank samples? ☐ Yes ☒ No

If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager, with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes have been added to database correctly.

RID	Sample Date	Parameter	[Blank]	[Sample]	Validation Code/Flag Applied	Code/Flag verified in database? *

*See validation procedures to determine which associated data need to be flagged and include on *Validation Codes Form*.

Total number of occurrences: 0

☒ **Step 5 Completed** ***Initials:*** SJG ***Date:*** 3/4/2025

- -

Step 6: Validate Holding Times Violations
Were any samples submitted that did not meet specified holding times? ☐ Yes ☒ No

If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes/flags have been added to database.

RID	Sample Date	Parameter	[Blank]	[Sample]	Validation Code/Flag Applied	Code/Flag verified in database to ALL associated data?*

*See validation procedures to determine which associated data need to be flagged.
*Note – Lab reports lists pH with hold time flag. Database uses field data reported pH, so this is hold time is not applicable.
Total number of occurrences: 0

☒ **Step 6 Completed** ***Initials:*** SJG ***Date:*** 3/4/2025

- -

Step 7: Validate Replicate/Duplicate Results (if applicable)
Were any replicate/duplicate pairs submitted outside of the established control limit of 20%?
☒ Yes ☐ No
If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes/flags have been added to database.

RID Pairs		Replicate or Duplicate?	Sample Date	Parameter	RPD	Validation Code/Flag Applied	Code/Flag verified in database applied?*
Rio Grande South	Lab Duplicate	Lab Duplicate	7/19/2024	1 Semivolatile Organic Compound, Bis (2-ethyhexyl) Phthalate (other names: Di(2-ethylhexly)phthalate, DEHP) - 2.2		yes	*+

Total number of occurrences: 1

☒ **Step 7 Completed** ***Initials:*** SJG ***Date:*** 3/4/2025

****

After all of the above steps have been completed, save and print the worksheet, attach all applicable supplemental information and sign below.

I acknowledge that the data verification and validation process has been completed for the data identified above in accordance with the procedures described in the CMC QAPP, SOP #2



3/4/2025

Data Verifier/Validator Signature Date

COMPLETION OF DATA VERIFICATION AND VALIDATION PROCESS

Once the data verification and validation process has been completed for the entire study (note: if the worksheet is for a subset of the data from a study, be sure ALL the data for the entire study is included before final completion of the data verification and validation process), notify the NMSQUID administrator that the process is complete and request that “V V in STORET” be added to the project title.

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RB1	Chemical was detected in the field blank at a concentration greater than or equal to 5% of the sample concentration. Results for this sample are rejected because they may be the result of contamination; the results may not be reported or used for regulatory compliance purposes.	B
R1	Rejected due to incorrect sample preservation	R
R2	Rejected due to equipment failure in the field	R
R3	Rejected based on best professional judgment	R
D1	Spike recovery not within method acceptance limits	
F1	Sample filter time exceeded	
J1	Estimated: the analyte was positively identified and the associated value is an approximate concentration of the analyte in the sample	J
K1	Holding time violation	H
Ea	Estimated-Incubation temperature between 35.5 and 38.0° Celsius	
Er	Rejected-Incubation temperature < 34.5 or >38.0° Celsius	
PD1	Percent difference between duplicate samples excessive	
S1	Per SLD, uncertainties (sigmas) are expressed as one standard deviation, i.e. one standard error. Small negative or positive values that are less than two standard deviations should be interpreted as "less than the detection limit."	
S2	Data are suspect but deemed usable based on best professional judgment; documentation of justification is required and should be included in the Data Verification and Validation Packet and reported with results	
Z1	Macroinvertebrate data did not meet QC criteria specified in Section 2.5 of QAPP	
H1	Habitat data did not meet QC criteria specified in Section 2.5 of QAPP	

Bohannan Huston
great people supporting great communities

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Albuquerque, NM 87109
505.823.1000
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MEMORANDUM

DATE: 8/14/2025

TO Patrick Chavez, AMAFCA

FROM: Sarah Ganley, PE, ENV-SP
Savannah Maynard

SUBJECT: **CMC Dry Season, Wet Weather Stormwater Monitoring**
Data Verification, Analysis Results Database, and Reporting Memo
FY 2025 Dry Season (November 1, 2024 to June 30, 2025)

NOTIFICATION OF IN-STREAM WATER QUALITY EXCEEDANCES

For downstream notification purposes, the following parameters for in-stream samples taken from the Rio Grande in June 2025 for the fiscal year (FY) 2025 dry season had results that exceeded applicable water quality standards (WQSs) for three (3) samples of E. coli, two (2) samples of polychlorinated biphenyls (PCBs), and one (1) sample of gross alpha, adjusted. Table 1 summarizes the samples and the applicable WQSs that were exceeded. Additional details on the sample results shown in Table 1 are provided in this memo.

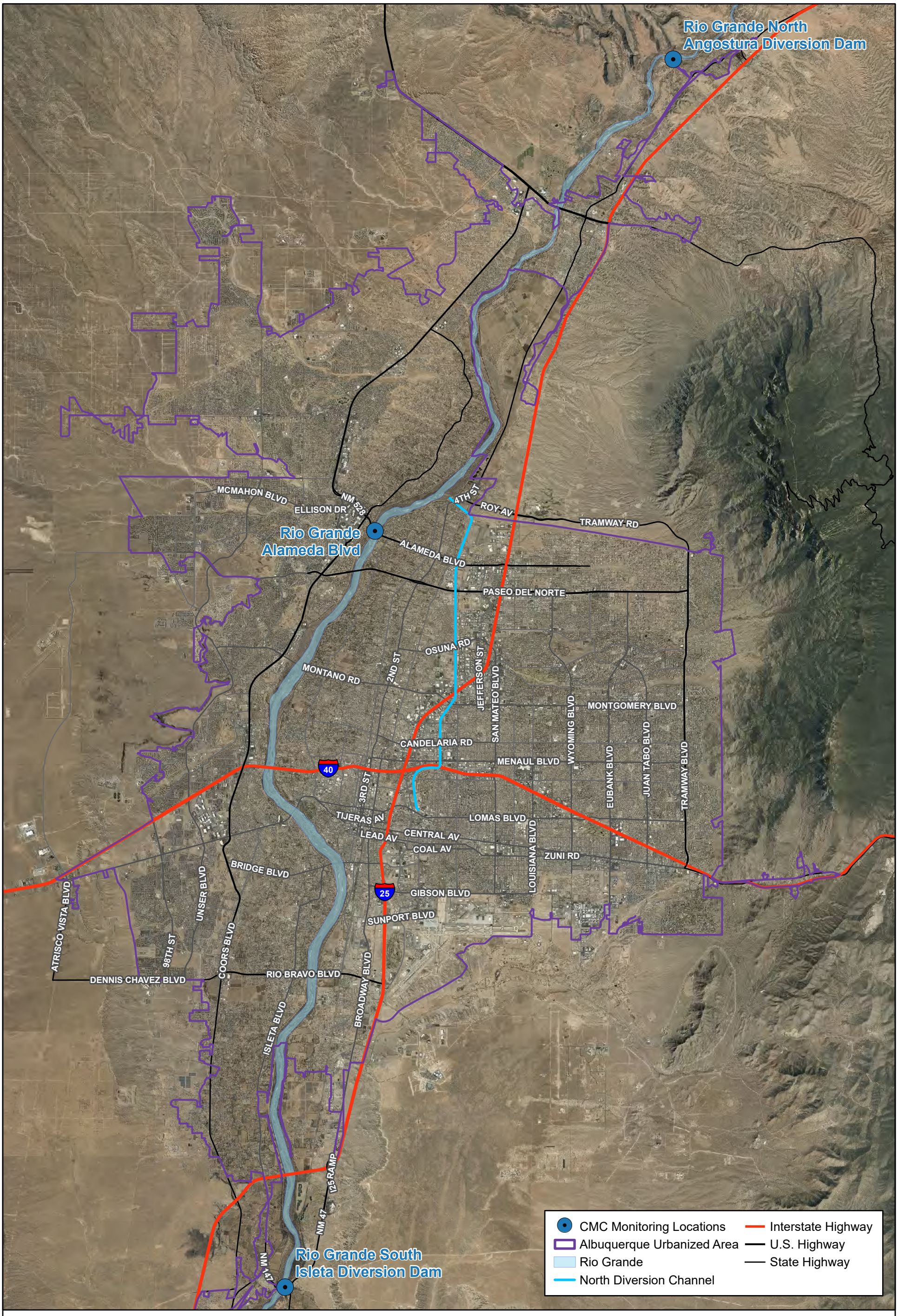
Table 1: Parameters Detected Above Applicable Water Quality Standards
CMC FY 2025 Dry Season Monitoring

Sampling Date Location	Parameters, Applicable Water Quality Standard (WQS), and Results Exceeding Applicable WQS		
	E. coli	**PCBs**	**Gross Alpha, Adjusted**
	WQS: 88 MPN (CFU/100 mL) Pueblo of Isleta Primary Contact Ceremonial & Recreational	**WQS: 0.00017 ug/L** Pueblo of Isleta Human Health Criteria (based on fish consumption only)	**WQS: 15 pCi/L** Pueblo of Isleta General Standards and NMAC Domestic Water Supply and Livestock Watering
6/4/2025 Rio Grande North Angostura	No Exceedance	Exceeded 0.0001942 ug/L	No Exceedance
6/4/2025 Rio Grande at Alameda	Exceeded 275 MPN (CFU/100 mL)	Not Tested	Not Tested
6/5/2025 Rio Grande at Alameda	Exceeded 5,794 MPN (CFU/100 mL)	Not Tested	Not Tested
6/5/2025 Rio Grande South Isleta Dam	Exceeded 908 MPN (CFU/100 mL)	Exceeded 0.0059031 ug/L	Exceeded 18.3 pCi/L

OVERVIEW OF STORMWATER MONITORING ACTIVITY

Bohannan Huston, Inc. (BHI) has been tasked to perform water quality services for the Compliance Monitoring Cooperative (CMC) Stormwater Data Verification, Database, and Reporting for the Dry Season, Wet Weather Stormwater Quality Monitoring Program for FY 2025 (November 1, 2024 to June 30, 2025). The scope of work for this task includes data verification of the stormwater laboratory analysis results, compiling the analysis results into a database, and calculating the E. coli loading to compare with the Waste Load Allocation (WLA) for qualifying storm events. The stormwater compliance monitoring was conducted separately by INTERA Incorporated (INTERA) and is not a part of this BHI task. This task is being conducted to assist the CMC members with their comprehensive monitoring and assessment program for compliance under the 2014 Middle Rio Grande (MRG) Watershed Based (WSB) Municipal Separate Storm Sewer System (MS4) Permit, NPDES Permit No. NMR04A000 ("WSB MS4 Permit").

The WSB MS4 Permit entered Administrative Continuance in December 2019, when U.S. Environmental Protection Agency (EPA) Region 6 did not issue a new MS4 Permit before the WSB MS4 Permit expiration date. The MRG Technical Advisory Group (TAG) sent EPA a letter, dated October 15, 2019, acknowledging Administrative Continuance after the expiration date of the 5-year WSB MS4 Permit term. Until a new WSB MS4 Permit is issued, there are no compliance monitoring requirements for the CMC in the Rio Grande. As identified in the WSB MS4 CMC Monitoring Plan, the WSB MS4 Permit required sampling of a minimum of seven (7) storm events at both the Rio Grande North and Rio Grande South locations (refer to Figure 1, page 3). All WSB MS4 Permit required samples have been obtained by the CMC, as well as two (2) storm events sampled in FY 2021, one (1) storm event sampled during the FY 2022 wet season, one (1) storm event sampled during the FY 2023 wet season, two (2) storm events sampled in FY 2024, one (1) storm event sampled during the FY 2025 wet season, and one (1) storm event sampled during the FY 2025 dry season during Administrative Continuance; all 15 CMC samples are summarized in Table 2 below.



AMAFCA

Bohannan Huston
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N

0 6,250 12,500 25,000 Feet

1 inch = 12,500 feet

CMC Monitoring

Figure 1
Monitoring Locations

P:\20240355\GIS\Projects\20240355_CMCMonitoring_Figures\20240355_CMCMonitoring_Figures.aprx
Author: mcrooks

August 2025

Table 2: CMC Sample Summary
Compared to WSB MS4 Permit Requirements

Storm Events Required by WSB MS4 Permit	CMC-WSB MS4 Permit Required Samples per Season	FY (Date) Samples Obtained for CMC
1	#1 Wet Season	FY 2017 (8/10/2016)
2	#2 Wet Season	FY 2017 (9/12/2016)
3	#3 Wet Season	FY 2017 (9/21/2016)
4	#1 Dry Season	FY 2017 (11/21/2016)
5	#2 Dry Season	FY 2019 (3/13/2019)
6	Any Season	FY 2018 (Wet Season - 7/27/2017)
7	Any Season	FY 2018 (Wet Season - 9/27/2017)
Not Required	Wet Season	FY 2021 (10/28/2020)
Not Required	Dry Season	FY 2021 (4/28/2021)
Not Required	Wet Season	FY 2022 (9/1/2021)
Not Required	Wet Season	FY 2023 (10/5/2022)
Not Required	Dry Season	FY 2024 (12/14/2023)
Not Required	Dry Season	FY 2024 (6/26/2024)
Not Required	Wet Season	FY 2025 (7/19/2024)
Not Required	Dry Season	FY 2025 (6/5/2025)

During the WSB MS4 Permit Administrative Continuance, the CMC members have chosen to continue sampling within the Rio Grande to support their MS4 program needs and gather additional data in support of the future WSB MS4 Permit compliance. This memo reports on the wet weather stormwater monitoring activity for the FY 2025 dry season (November 1, 2024 to June 30, 2025).

The CMC Excel database was updated with the FY 2025 dry season monitoring data as results were received. The database contains sample location, sample date, analyses conducted, methods used, applicable surface WQSs, WSB MS4 Permit required Minimum Qualification Levels (MQLs) and results.

SUMMARY OF THE CMC SAMPLING PLAN

Sampling Parameters:

The samples from the Rio Grande North and Rio Grande South monitoring locations were analyzed for the parameters defined in the EPA approved WSB MS4 CMC Monitoring Plan, May 5, 2016. The parameter list for both locations, which is intended to characterize stormwater discharges into the river, is as follows:

Total Suspended Solids (TSS)
Total Dissolved Solids (TDS)
Chemical Oxygen Demand (COD)
Biological Oxygen Demand – 5-day (BOD_5)
Dissolved Oxygen (DO)
Oil & grease (N-Hexane Extractable Material)
E. coli
pH
Total Kjeldahl Nitrogen (TKN)
Nitrate plus Nitrite
Dissolved Phosphorus
Ammonia as Nitrogen
Nitrogen (Total Nitrogen)
Phosphorous (Total Phosphorous)
Polychlorinated Biphenyls (PCBs - Method 1668A)
Gross Alpha, adjusted
Tetrahydrofuran
Benzo(a)pyrene
Benzo(b)fluoranthene (3, 4 Benzofluoranthene)
Benzo(k)fluoranthene
Chrysene
lndeno (1 ,2,3-cd) Pyrene
Dieldrin
Pentachlorophenol
Benzidine
Benzo(a)anthracene
Dibenzofuran
Dibenzo(a, h)anthracene
Chromium VI (Hexavalent)
Dissolved Copper
Dissolved Lead
Bis (2-ethylhexyl) phthalate
Conductivity
Temperature
Hardness (as $CaCO_3$)
Per-and polyfluoroalkyl substances, known as PFAS

Hardness (as $CaCO_3$) was added to the parameter list to allow dissolved metal results to be compared to the applicable WQSs. Per the WSB MS4 Permit, DO, pH, conductivity, and temperature are required to be analyzed in the field within 15 minutes of sample collection, which was conducted by INTERA. All E. coli samples were submitted to the laboratory within 8 hours of collection in order to meet the specified hold time. Testing for PFAS was added to the parameter list by the CMC in 2024, and the June 2025 Rio Grande North and South samples included PFAS testing.

Sampling Locations:

The sampling locations are shown in Figure 1, page 3.

Rio Grande North – In-stream sampling within the Rio Grande was performed upstream of the Angostura Diversion Dam at the north end of the watershed. The location is upstream of all inputs from the Urbanized Area (UA) to the river and provides the background water conditions.

Rio Grande South – In-stream sampling within the Rio Grande was performed at the Isleta Bridge at the south end of the watershed. The location is downstream of all inputs from the UA to the river and provides the downstream water conditions. These locations have been accepted by EPA and the New Mexico Environment Department (NMED) to meet the WSB MS4 Permit requirements in Part III.A.

During this FY 2025 dry season, two (2) E. coli samples were collected within the Rio Grande at Alameda Blvd. This is the location of the NMED defined stream segment divide (refer to Figure 2). This sample point was added after discussion with NMED regarding potential refinements to E. coli loading calculations in February 2017. This is the first time that two (2) E. coli samples were collected at the Alameda location for one (1) storm event; one (1) pre-storm and one (1) during the storm event. These samples were used in the WLA analysis.

Sample Collection:

As mentioned previously, sample collection for the CMC was conducted by INTERA (through a separate on-call contract). Since BHI was not involved in the sample collection, this task and memo do not address the details of the methodologies regarding sampling, determining if an event was a qualifying storm event or determining the timing of the hydrograph at the Rio Grande Alameda and Rio Grande South locations.

INTERA provided field sample data (temperature, DO, specific conductivity, and pH) to BHI for the FY 2025 dry season sampling. AMAFCA provided BHI the completed laboratory analysis reports from Eurofins Environment Testing for this monitoring season.

Quality Assurance Project Plan (QAPP):

AMAFCA provided BHI with the *Draft Quality Assurance Project Plan* (QAPP) for the CMC, dated June 14, 2016. INTERA followed this QAPP during sample collection for the June 2025 samples. BHI used this QAPP and the included standard operating procedures (SOPs) for data verification and validation. This QAPP was updated for the CMC during FY 2025 and the updated QAPP, dated June 6, 2025, will be used for future CMC sampling.

MS4 Permit Stream Segment
Alameda Bridge to
Angostura Diversion
2105.1_00

Rio Grande Segment
Hwy 550 Bridge to Angostura Diversion
NM-2105.1_02

Impairments CWA 303(d) List*	TDML
E. coli	E. coli

Rio Grande Segment
Alameda Bridge to Hwy 550 Bridge
NM-2105.1_00

Impairments CWA 303(d) List*	TDML
Gross alpha, adjusted	E. coli
PCBs - Fish Consumption Advisory	
Mercury - Fish consumption Advisory	
PCBs	
E. coli	

Rio Grande Segment
Tijeras Arroyo to Alameda Bridge
NM-2105_51

Impairments CWA 303(d) List*	TDML
Dissolved Oxygen	E. coli
PCBs - Fish Consumption Advisory	
Mercury - Fish Consumption Advisory	
Temperature	
E. coli	

MS4 Permit Stream Segment
Isleta Pueblo Boundary to Alameda St. Bridge
2105_50

Rio Grande Segment
Isleta Pueblo Boundary to Tijeras Arroyo
NM-2105_50

Impairments CWA 303(d) List*	TDML
Dissolved Oxygen	E. coli
PCBs - Fish Consumption Advisory	
Mercury - Fish Consumption Advisory	
E. coli	

MS4 Permit Stream Segments
NMED Stream Segments
North Diversion Channel
Albuquerque Urbanized Area
Rio Grande
Interstate Highway
U.S. Highway
State Highway

AMAFCA

Bohannan Huston
www.bhinc.com
800.877.5332

N

0 12,500 25,000 Feet

1 in = 12,500 ft

CMC Monitoring

Figure 2
Rio Grande Impairments & TMDL Information

* 2024-2026 State of NM Clean Water Act, Section 303(d)/Section 305(b) Integrated Reports

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Author: mcrooks

August 2025

MONITORING ACTIVITY & LAB ANALYSIS SUMMARY

The list below provides a summary of the CMC comprehensive monitoring program activities completed for the FY 2025 dry season from November 2024 through June 2025. One (1) qualifying storm event was sampled and analyzed during the FY 2025 dry season.

- **June 4 - 5, 2025 – Qualifying Storm Event.** Samples were collected on June 4, 2025, at the Rio Grande North and Alameda Blvd. locations at 2:40 p.m. and 3:40 p.m., respectively. These samples were sent to the laboratory for E. coli testing. The CMC determined that the storm event beginning June 4, 2025 was a qualifying storm event. Samples were collected on June 5, 2025 at the Rio Grande South and Alameda Blvd. locations at 2:20 p.m. and 12:20 p.m., respectively. The samples from the Rio Grande North (collected June 4) and Rio Grande South (collected June 5) locations were taken to Eurofins Environment Testing for full parameter testing. The samples collected on June 4 and June 5 from the Alameda Blvd. location were taken to Eurofins Environment Testing for E.coli testing.

STORMWATER QUALITY DATABASE FOR CMC

As stated previously, there was one (1) qualifying storm event sampled by the CMC during the dry season, wet weather monitoring program for FY 2025; this event occurred June 4, 2025 through June 5, 2025. INTERA's field notes containing DO, pH, conductivity, and temperature measurements, as well as sampling comments have been received, and field results have been added to the database. INTERA was not able to obtain field data for the Rio Grande Alameda samples. Additionally, the Eurofins Environment Testing reports for the corresponding time period have been received, added to the database, and are provided with this memo (Attachment 1). The laboratory reports attached to this memo have BHI added comments, including the field parameter measurements and other relevant notes related to the laboratory reports.

Database Data Entry:

The CMC Excel database was updated with the FY 2025 dry season, wet weather monitoring data. The database contains sample locations, sample date, analyses conducted, methods used, applicable surface WQSs, WSB MS4 Permit required MQLs, and analysis results. The database was updated under this task to include the Rio Grande at Alameda sample location. Applicable surface WQSs found in New Mexico Administrative Code (NMAC) 20.6.4, as well as the Pueblo of Isleta WQSs, are entered in the Excel database for comparison purposes with testing results. There is an indicator in the database to show if the monitoring results exceed the applicable surface WQS. An exceedance is not a violation of the WSB MS4 Permit, as the Permit does not have numeric discharge limitations. These ">WQ Standard" flags simply and quickly show the CMC members where the results of the lab data exceed the applicable WQS.

Water quality data was entered into the database upon receipt of the lab reports. All data entered into the database is initially denoted with a "P" to indicate that it is provisional and has not been through the verification and validation process yet. Full parameter analyses of the qualifying storm event for the Rio Grande South location was entered into the database. The E. coli only samples from the Rio Grande Alameda location were also entered into the database.

Data Verification and Validation:

The Eurofins Environment Testing analysis reports were provided to BHI by AMAFCA. The lab reports also contain the Chain of Custody for the submitted samples. Field data was requested by and provided to BHI by INTERA. Data verification and validation (V&V) was conducted by BHI on all field notes, lab reports, and Chain of Custody documents in accordance with the CMC WQS SOP #2, which is part of the existing draft QAPP (June 14, 2016). These procedures are based on *EPA Guidance for Environmental Data Verification and Validation* (EPA, 2008).

As stated in the QAPP, the V&V process was completed by a different person than the one who entered the data into the database. The V&V process included use of the *Data Verification and Validation Worksheet* (provided in the QAPP). For this task, field data was verified first, confirming all field notes were complete. AMAFCA handled field parameter questions directly with INTERA. Chemical data verification began as soon as the lab reports were received, checking that all parameters were tested and looking for any obvious exceedances of WQSs. Other steps listed on the *Data Verification and Validation Worksheet* were completed after all data from the laboratory was received and entered into the database. Sample blank results were reviewed to identify potential contamination during field processing or transport. Replica/duplicate samples were evaluated based on relative percent difference (as described in more detail in the QAPP) to determine the variability of the samples.

All CMC FY 2025 dry season data met the appropriate QAPP requirements for the June 4 and June 5, 2025 samples. Data that did not meet the appropriate QAPP requirements was assigned an appropriate laboratory qualifier or validation code. A summary of validation codes is provided in the QAPP as well as in the lab reports in Attachment 1.

Once the V&V process was completed, the worksheets were signed. Copies of the V&V worksheets are provided with this memo (Attachment 2). In the database, data that was checked during the V&V process was then changed from being denoted with a “P” for provisional to a “V” for verified, and laboratory qualifiers were added, as needed.

CMC FY 2025 DRY SEASON ASSESSMENT AND EVALUATION OF MONITORING RESULTS

The EPA approved WSB MS4 CMC Monitoring Plan, May 5, 2016, has 33 parameters to monitor at the Rio Grande North and Rio Grande South monitoring locations. This does not include PFAS, which is a new parameter the CMC chose to add. Of these 33 parameters, 17 parameters were not detected in the FY 2025 dry season samples at either the Rio Grande North or Rio Grande South locations. Refer to Table 3 for a list of the parameters that were not detected.

Table 3: Parameters Not Detected
CMC FY 2025 Dry Season Monitoring

Parameters Not Detected	
Chemical Oxygen Demand (COD)	Pentachlorophenol
Oil and Grease (N-Hexane Extractable Material)	Benzidine
Tetrahydrofuran	Benzo(a)anthracene
Benzo(a)pyrene	Dibenzofuran
Benzo(b)fluoranthene (3, 4 Benzofluoranthene)	Dibenzo(a,h)anthracene
Benzo(k)fluoranthene	Dibenzofuran
Chrysene	Dissolved Lead
Indeno (1,2,3-cd) Pyrene	Bis (2-ethyhexyl) Phthalate (other names: Di(2-ethylhexly)phthalate, DEHP)
Dieldrin	

For the remaining parameters on the CMC monitoring parameter list, three (3) parameters (E. coli, PCBs, and Gross Alpha, adjusted) had exceedances of the applicable surface WQS found in NMAC 20.6.4 and the Pueblo of Isleta WQS during the FY 2025 dry season. All exceedances are discussed below in further detail.

E. coli:

The E. coli results collected during the FY 2025 dry season are summarized in Table 4.

Table 4: E. coli Results
CMC FY 2025 Dry Season Monitoring

Date – Rio Grande Location	**E. coli Results MPN (CFU/100 mL)**
June 4, 2025 – Rio Grande North Angostura	31
June 4, 2025 – Rio Grande at Alameda	275
June 5, 2025 – Rio Grande South, Isleta Dam	908
June 5, 2025 – Rio Grande at Alameda	5,794

At the Rio Grande North location (upstream of the Albuquerque UA, at the Angostura Diversion Dam), one (1) sample was collected and tested for E. coli. The lab results for the June 4, 2025 sample showed that the sample had an acceptable E. coli concentration, below the primary contact-single sample Pueblo of Isleta WQS (88 CFU/100 mL).

At the Rio Grande South location (downstream of the MS4 UA), one (1) sample was collected and tested for E. coli. The June 5, 2025 sample exceeded both the primary contact-single sample Pueblo of Isleta WQS (88 CFU/100 mL) and the primary contact-single sample NMAC WQS (410 CFU/100 mL).

In addition, the CMC collected two (2) E. coli samples in the Rio Grande at Alameda Blvd. location during the FY 2025 dry season. The Alameda Blvd. analysis point was based on discussions with NMED in February 2017 on collecting actual E. coli data at the stream segment divide versus using an area percentage (as defined in the Total Maximum Daily Load [TMDL]) for E. coli loading calculations. The lab results showed that the June 4, 2025 sample exceeded the primary contact-single sample Pueblo of Isleta WQS (88 CFU/100 mL) and was below the primary contact-single sample NMAC WQS (410 CFU/100 mL). The June 5, 2025 sample exceeded both the primary contact-single sample Pueblo of Isleta WQS (88 CFU/100 mL) and the primary contact-single sample NMAC WQS (410 CFU/100 mL).

As a reminder, in January 2017 the CMC members clarified with NMED that the units MPN/100 mL and CFU/100 mL are considered to be interchangeable for the purposes of this stormwater quality monitoring reporting. ("MPN" means Most Probable Number and "CFU" means colony-forming units.) The New Mexico and Pueblo of Isleta WQSs for E. coli are currently in units of CFU/100 mL, while the lab reports are typically in units of MPN/100mL. The graph presented in this section uses units of CFU/100 mL to be consistent with the WQS units. Refer to Figure 3 for a graphical representation of E. coli results from June 2025.

PCBs:

There are multiple surface WQS values listed for PCBs in both the Pueblo of Isleta and the State of New Mexico standards for various designated uses. The PCB results for samples collected from the Rio Grande during the FY 2025 dry season stormwater events were below the MQL established in EPA standards for the MS4 NPDES Permit (Appendix F, 0.2 ug/L for PCBs). PCBs were detected in both the Rio Grande North and Rio Grande South June 2025 samples. The Rio Grande South location was above both the Pueblo of Isleta human health (HH) WQS based on fish consumption only and the NMAC HH WQS based on fish consumption only. The Rio Grande North location was above the Pueblo of Isleta HH WQS for surface waters but below the NMAC WQS human health-organism only criterion (HH-OO) WQS. The HH-OO WQS is based upon human consumption of fish and other aquatic life that bioaccumulate contaminants over time. The PCB results from 2016 through 2025 are shown in Figure 4, relative to several of the WQSs for PCBs.

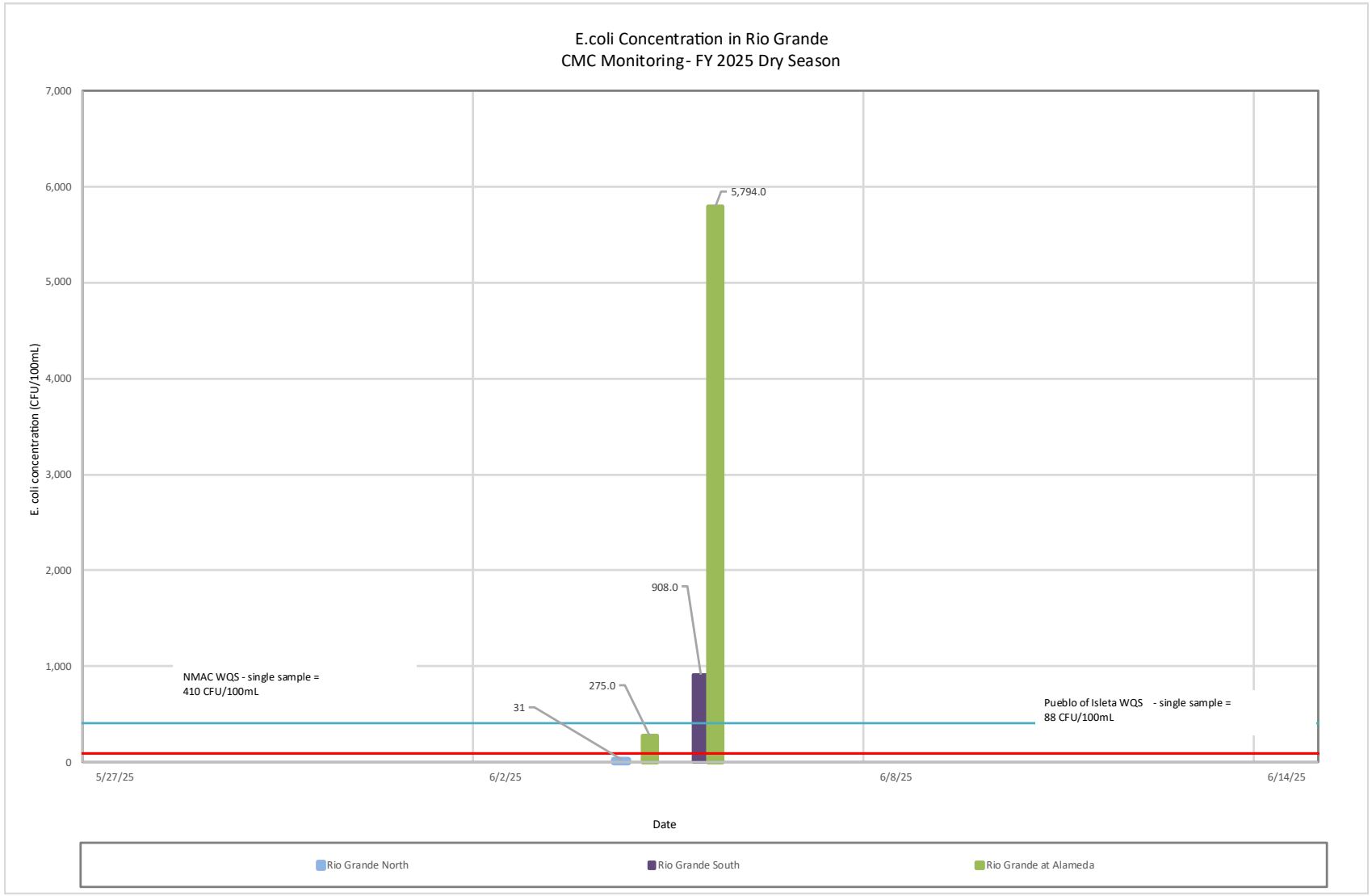


Figure 3: E. coli Monitoring Results in Rio Grande
CMC Monitoring – FY 2025 Dry Season

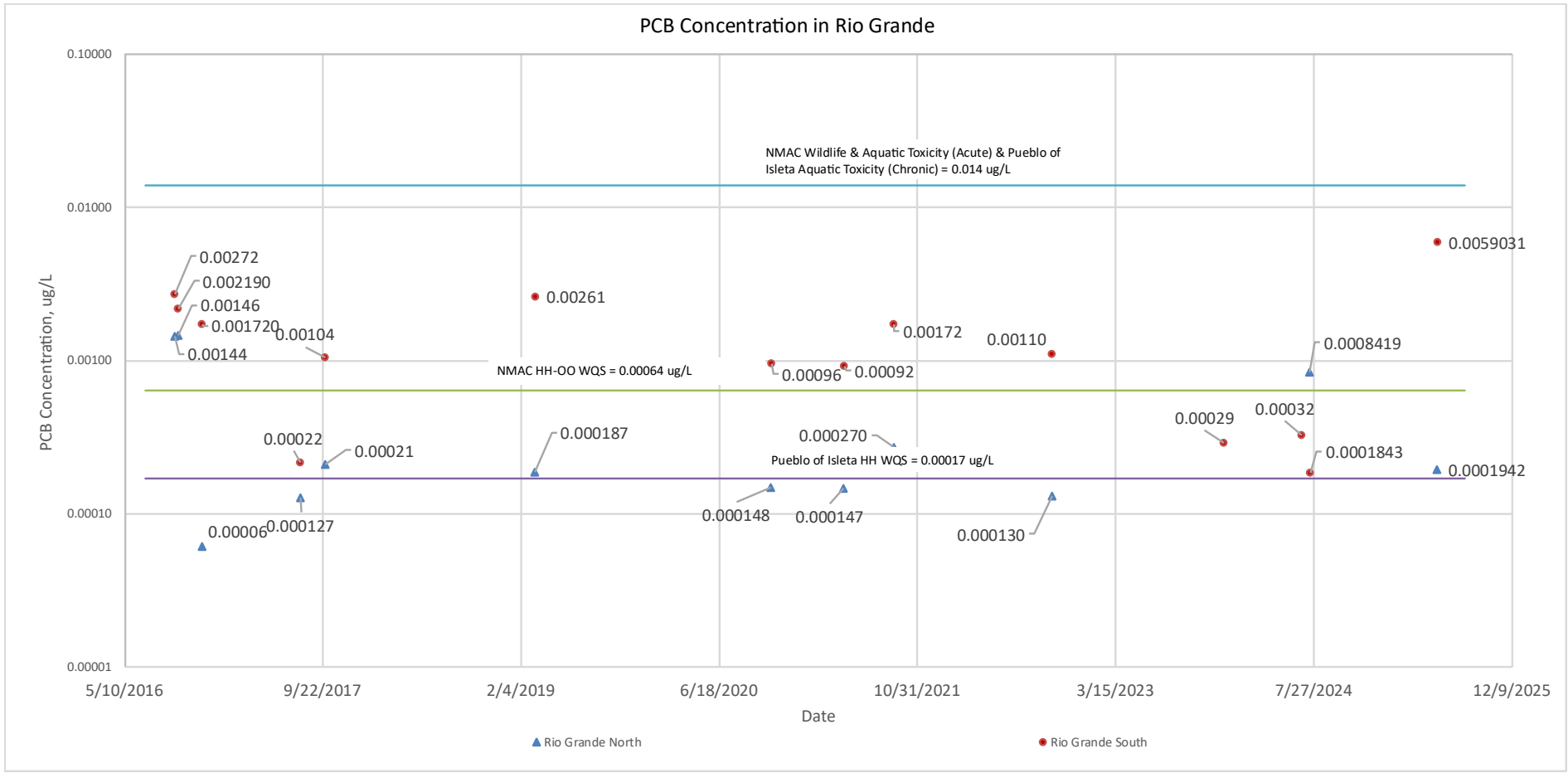


Figure 4: PCB Monitoring Results in Rio Grande
CMC Monitoring – 2016 - 2025

Gross Alpha, Adjusted:

The June 5, 2025 Rio Grande South sample exceeded the New Mexico and Pueblo of Isleta WQSs for gross alpha, adjusted. The June 4, 2025 Rio Grande North sample did not exceed the New Mexico and Pueblo of Isleta WQSs for gross alpha. Typically, gross alpha, adjusted, is lower than the gross alpha value so there is no concern with the values provided and reported. The WQS for gross alpha, adjusted, is the same value for both the NMAC 20.6.4 Water Quality Criterion and Pueblo of Isleta. The WQS of 15 pCi/L ("pCi/L" means picocuries per liter) is a general standard for the Pueblo of Isleta; for New Mexico it is based on Domestic Water Supply and Livestock Watering designated uses.

The last exceedance for gross alpha, adjusted for CMC sampling was reported for the October 6, 2022, Rio Grande South sample. With the June 5, 2025 additional exceedance, the CMC will discuss the results further and may consult NMED for further guidance.

Dissolved Oxygen (DO) and Temperature:

Two (2) of the water quality parameters are specifically worth mentioning in this memo because they are listed in the WSB MS4 Permit, Part I.C.1 – Special Conditions: dissolved oxygen (DO) and temperature. The DO and temperature parameters did not have any surface water quality exceedances during the FY 2025 dry season sampling.

DO is a water quality concern in the Rio Grande if it is below 5 mg/L. For the June 4, 2025 Rio Grande North sample, INTERA informed AMAFCA that the DO and temperature meter was not functioning properly and a new meter was purchased for the June 5, 2025 Rio Grande South sample. Field parameters were not taken for the June 4 and June 5, 2025 Alameda samples due to miscommunication.

This field data provides the MS4s with specific monitoring data showing that stormwater did not cause or contribute to exceedances of applicable DO WQSs in the Rio Grande from any of the CMC samples from FY 2016 to FY 2025. Refer to Figure 5 for CMC DO results and comparison to applicable WQSs.

Temperature is listed in the WSB MS4 Permit as a special condition (currently only applicable to the City of Albuquerque and AMAFCA). Past data submitted to EPA and NMED by the MS4 permittees have proven that stormwater discharges into the Rio Grande are not raising the Rio Grande temperature above the WQSs. The data collected during this FY 2025 dry season monitoring also supports this conclusion. All the temperature field readings taken from the Rio Grande during the CMC FY 2025 dry season were below 32.2°C (90°F), which is the WQS for the State of New Mexico and for the Isleta and Sandia Pueblos. Refer to Figure 6 for temperature results and comparison to applicable WQSs for all CMC samples taken upstream and downstream of the MRG MS4 area from FY 2016 to FY 2025.

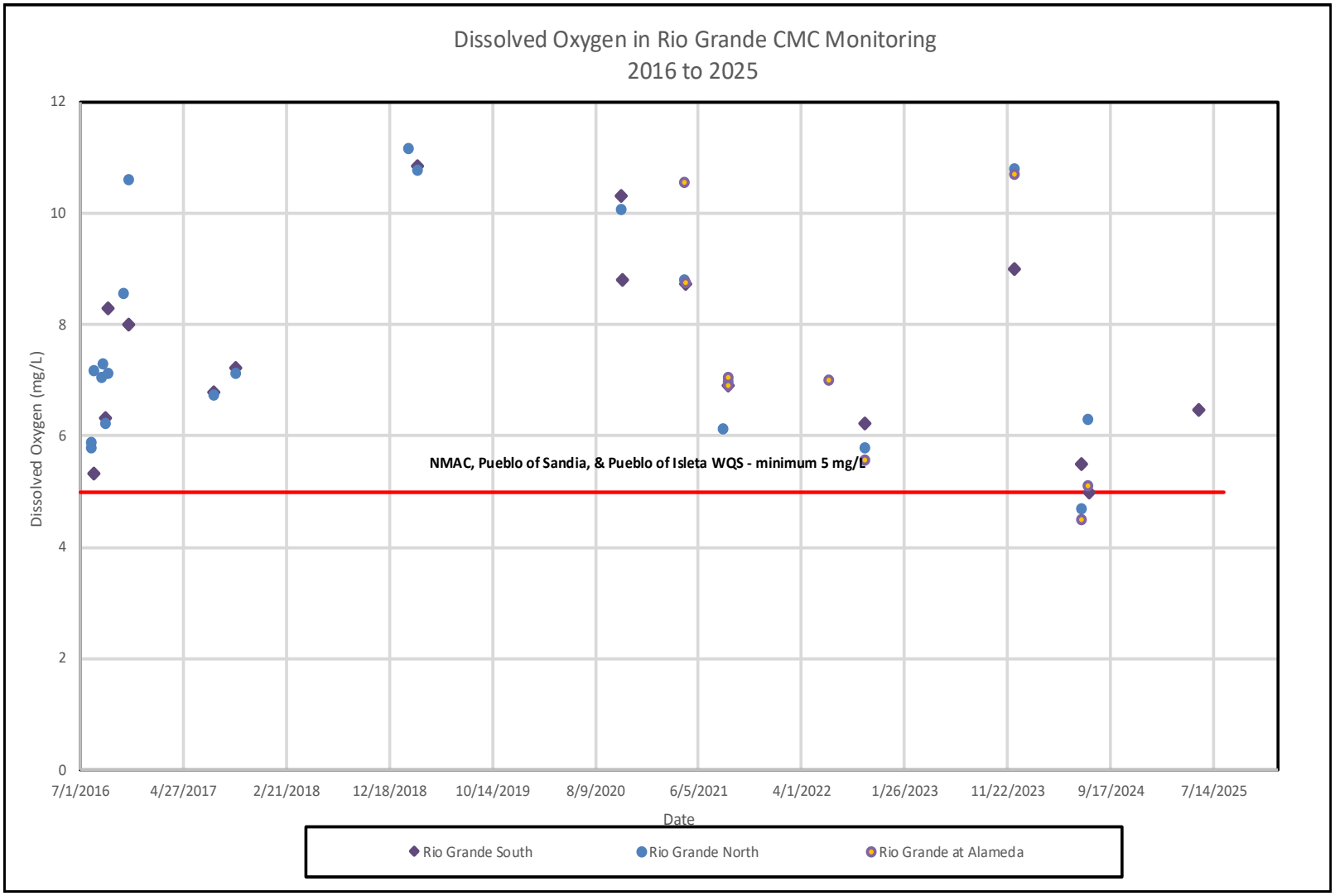


Figure 5: Dissolved Oxygen (DO) Monitoring Results in the Rio Grande CMC Monitoring – FY 2016 – FY 2025

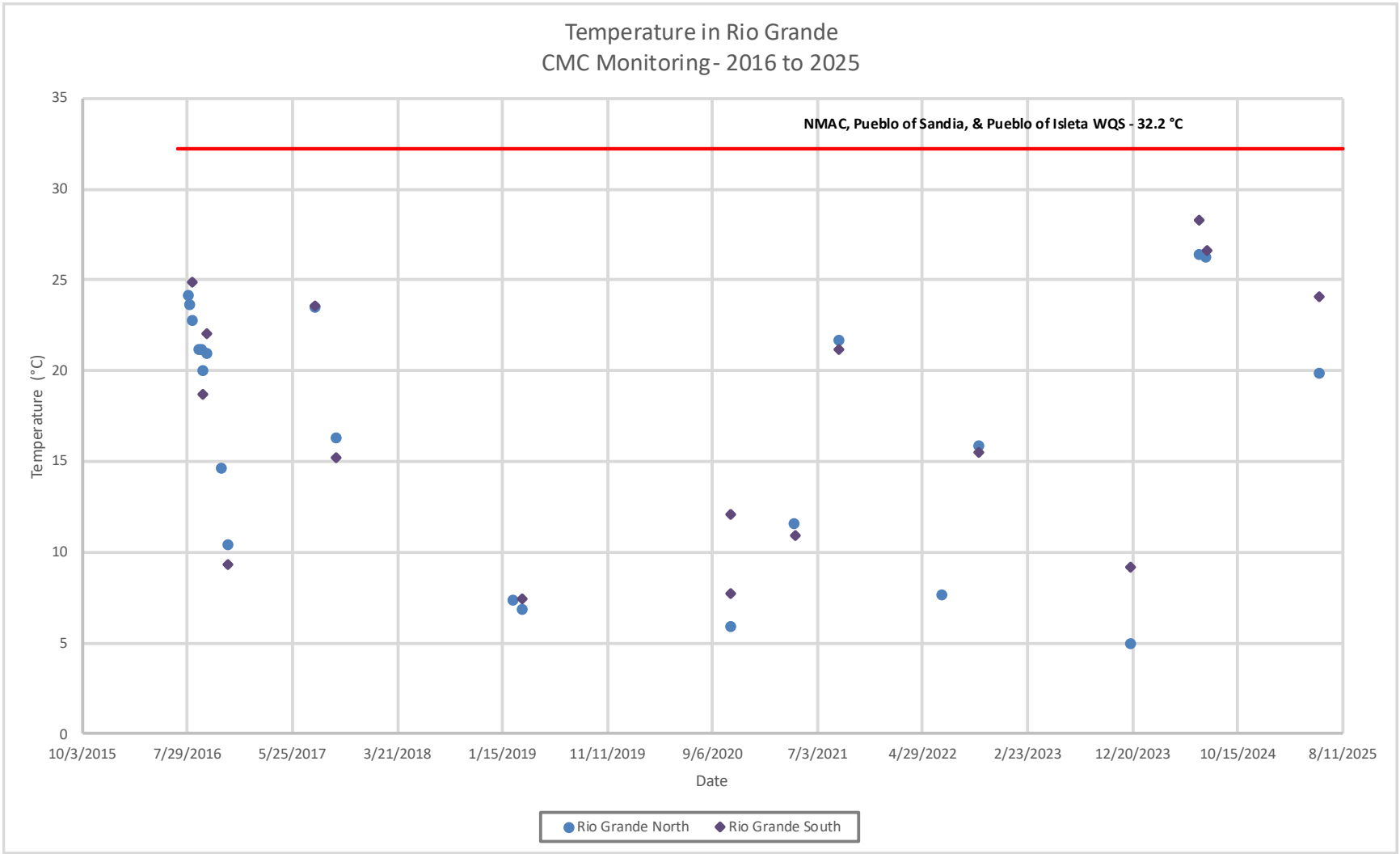


Figure 6: Temperature Monitoring Results in the Rio Grande
CMC Monitoring – FY 2016 – FY 2025

CMC FY 2025 DRY SEASON E. COLI LOADING CALCULATIONS AND WASTE LOAD ALLOCATION (WLA)

Related to assessing the stormwater results, the E. coli loading was calculated and compared to the aggregate TMDL WLA for the CMC group. A TMDL is the maximum amount of a pollutant (E. coli in this case) that a water body (Rio Grande) can assimilate on a daily basis without violating applicable surface WQSs. The total TMDL for a stream segment consists of the multiple WLAs for point sources, non-point sources, and natural sources, plus a margin of safety. The CMC MS4 allotted WLA was determined in the EPA Approved, *Total Maximum Daily Load for the Middle Rio Grande Watershed*, June 30, 2010, and subsequent communications with NMED. The WLA varies by flow condition in the Rio Grande and by stream segment.

E. coli loading calculations and comparison to the WLA follows the WSB MS4 Permit requirements in *Discharges to Water Quality Impaired Water Bodies with an Approved TMDL*, *Part I.C.2.b.(i).(c).B*, *Appendix B-Total Maximum Daily Loads* (TMDLs) Tables of the WSB MS4 Permit, and the NMED guidance provided to the CMC. Attached to this memo is the WLA Calculation spreadsheet, which steps through the E. coli loading calculations and assumptions comparing the calculated E. coli loading to the CMC aggregate WLA defined by NMED.

There are two (2) stream segments defined in the WSB MS4 Permit (Appendix B): Isleta Pueblo Boundary to Alameda Street Bridge (Stream Segment 2105_50) and Non-Pueblo Alameda Bridge to Angostura Diversion (Stream Segment 2105.1_00). These stream segments differ from NMED's current stream segments defined in the *2022-2024 State of New Mexico Clean Water Act Section 303(d)/Section 305(b) Integrated Report* (NMED, April 2022) and *Draft 2024-2026 State of New Mexico Clean Water Act Section 303(d)/Section 305(b) Integrated Report* (NMED, December 2023). NMED currently has four (4) stream segments instead of the two (2) WSB MS4 stream segments. These various stream segment designations are shown in Figure 6, page 16.

The *NMED 303(d)/305(b) 2022-2024* and *Draft 2024-2026 Integrated Report* tables show the most recent assessment results, and currently all segments of the Rio Grande (Isleta to Angostura Diversion) are impaired for E. coli and have a TMDL for E. coli.

The E. coli daily loading associated with the CMC group and comparison to the NMED WLA was completed for the one (1) qualifying dry season storm event – June 4-5, 2025. For this event, the CMC obtained two (2) E. coli samples in the Rio Grande at Alameda location and used both sample results to calculate the E. coli loading for the two (2) river segments. This is the first time that two (2) samples were taken from the same location for one (1) storm event; one (1) pre-storm and one (1) during the storm event. The analysis compares the pre-storm value of the Rio Grande North sampling point with the storm event value of the Alameda sampling point and the pre-storm value of the Alameda sampling point with the storm event value of the Rio Grande South point. Refer to Table 5 on page 18 for a summary of the WLA comparison results. A spreadsheet that provides detailed WLA calculations is submitted with this memo.

Table 5: Summary of CMC E. Coli Loading Compared to WLA

Date / Stream Segment	Daily Mean Flow (cfs)	Flow Conditions (cfs) *range defined by NMED*	CMC Daily E. coli Loading (CFU/day)	NMED WLA for CMC for Stream Segment and Flow Conditions	Loading Compared to WLA Potential Exceedance or Acceptable
June 4-5, 2025 – Rio Grande North E. coli Concentration 6/4/2025 = 30.5 MPN (CFU/100 mL) Rio Grande at Alameda E. coli Concentration 6/4/2025 = 275 MPN (CFU/100 mL) Rio Grande South E. coli Concentration 6/5/2025 = 908 MPN (CFU/100 mL) Rio Grande at Alameda E. coli Concentration 6/5/2025 = 5,794 MPN (CFU/100 mL)					
Alameda to Angostura	676	Mid	--	--	WLA Acceptable
Isleta to Alameda	617	Dry	3.91E+11	1.57E+10	WLA Potential Exceedance

As Table 5 illustrates, the calculated E. coli loading for the June 4-5, 2025 storm event, for the northern segment (Alameda to Angostura) was an acceptable WLA for the CMC MS4s. This is because there is not a defined WLA for a "Mid" flow condition in this stream segment. The southern segment (Isleta to Alameda) of the Rio Grande was above the WLA for the CMC MS4s. This analysis used the mid-point E. coli sample result obtained in the Rio Grande at Alameda pre-storm compared to the Rio Grande South E. coli results obtained during the storm event.

The WSB MS4 Permit implies that the WLA is a measurable goal for the MS4s related to E. coli. Based on extensive review of the EPA Approved, *Total Maximum Daily Load (TMDL) for the Middle Rio Grande Watershed [TMDL Report]*, June 30, 2010, this seems to be an unattainable goal for MS4s.

Page 40 of the 2010 *TMDL Report* states, "It is important to remember that the TMDL is a planning tool to be used to achieve water quality standards…Meeting the calculated TMDL may be a difficult objective." The TMDL/WLA was calculated by NMED to meet the Pueblos of Sandia and Isleta geometric mean maximum of 47 CFU/100 mL, which was done to be "protective of downstream waters" and "to provide an implicit margin of safety (MOS)". A single grab sample E. coli result meeting this very low geometric means WQSs will be very difficult for the MS4s to obtain.

The CMC members discussed the difficulty of using the WLA as a measurable goal with NMED on February 1, 2017. NMED explained that exceeding the WLA does not trigger enforcement. However, NMED strongly encouraged the MS4s to document what they are doing once they realize the WLA is potentially exceeded. The meeting on February 1, 2017, and the CMC discussion with NMED on February 16, 2017, demonstrate CMC members are working toward understanding the WLA. In addition, the CMC members began implementing a refinement to the sampling plan discussed with NMED by obtaining an E. coli sample in the Rio Grande at Alameda effective in FY 2018, as feasible. This demonstrates that the CMC is continuing to investigate the potential exceedances and make improvements to monitor E. coli in the Rio Grande.

DATA ENTRY FOR DISCHARGE MONITORING REPORTS

The WSB MS4 Permit entered Administrative Continuance in December 2019, when EPA Region 6 did not issue a new MS4 Permit before the MS4 Permit's expiration date. Until a new MS4 Permit is issued, there are no compliance monitoring requirements for the CMC in the Rio Grande. As identified in the WSB MS4 CMC Monitoring Plan, the WSB MS4 Permit required a minimum of seven (7) storm events be sampled at both the Rio Grande North and Rio Grande South locations. All MS4 Permit required samples have been obtained by the CMC and verified stormwater quality data from these required events have been submitted to the EPA using electronic Discharge Monitoring Report (DMR) forms. Data from the DMRs are uploaded to a comprehensive nationwide database that contains discharge data for facilities and other point sources that discharge directly to receiving streams. For this task, BHI has not completed any data entry related to the EPA DMRs for the FY 2025 dry season.

CONCLUSIONS AND PLANNING

During the FY 2025 dry season (November 1, 2024 to June 30, 2025), four (4) stormwater samples from one (1) qualifying storm event was obtained by the CMC. Lab results were received, and this data has been entered into the CMC Excel database. The lab data entered is marked in the spreadsheet as "V" (verified), and data V&V has been completed (refer to Attachment 2).

To summarize, monitoring results and E. coli loading calculations for the FY 2025 dry season show that:

- The WSB MS4 Permit entered Administrative Continuance in December 2019, when EPA Region 6 did not issue a new MS4 Permit before the MS4 Permit's expiration date. Until a new MS4 Permit is issued, there are no compliance monitoring requirements for the CMC in the Rio Grande. All MS4 Permit required samples have been obtained by the CMC, as well several samples collected during Administrative Continuance, including the four (4) samples obtained in the FY 2025 dry season, as reported in this memo.
- For the FY 2025 dry season, 17 parameters were not detected in the samples at either the Rio Grande North or Rio Grande South locations for the June 2025 storm event.
- Temperature results have met the applicable WQSs for all the CMC samples to date. All temperature results were less than 32.2°C (maximum WQS).
- The PCB results were below the New Mexico Surface WQSs for designated uses, including acute aquatic life, and chronic aquatic life. However, the Rio Grande North and the Rio Grande South CMC samples from June 4, 2025 and June 5, 2025 respectively, were above the Pueblo of Isleta HH criteria (based on fish consumption only) WQS for surface waters. The Rio Grande South location was above both the Pueblo of Isleta HH criteria (based on fish consumption only) WQS for surface waters and NMAC HH-OO criteria.
- The calculated E. coli loading for the June 4-5, 2025 storm event for the north segment (Alameda to Angostura) was acceptable for the WLA for the CMC MS4s because there is not a defined WLA for a "Mid" flow condition in this stream segment. The southern segment (Isleta to Alameda) of the Rio Grande was above the WLA for the CMC MS4s. This analysis used the mid-point E. coli sample result obtained in the Rio Grande at Alameda.
    - Sources for the E. coli loading measured in the river are not solely attributable to the CMC MS4 members; the E. coli loading calculations serve to provide a reasonable estimate of the CMC contribution to the measured E. coli loading.

SG/ab

Attachments:

Attachment 1 – INTERA Field Data & Eurofins Environment Testing Environmental Analysis Laboratory Reports with BHI Notes for FY 2025 Dry Season

Attachment 2 – FY 2025 Dry Season Completed Data Verification and Validation (V&V) Forms

Spreadsheets Included Separately:

E. coli Loading and Comparison to Waste Load Allocation (WLA) Excel Spreadsheet

Excel CMC Spreadsheet with FY 2025 Dry Season Stormwater Quality Monitoring Results

ATTACHMENT 1

INTERA FIELD DATA & EUROFINS ENVIRONMENT TESTING LABORATORY REPORTS WITH BHI NOTES FOR FY 2025 DRY SEASON

CMC Water Quality Results Database
FY 2017 -FY 2025
Date: August 13, 2025
Summary of Lab Results for CMC samples

			NMAC 20.6.4 Water Quality Criterion		Pueblo of Sandia Water Quality Criterion		Isleta Pueblo Water Quality Criterion																				
Parameter	**Permit Required Units**	**MQL - 2014 WQS Permit Appendix F**	**Basic (Rio Grande Basin - designated uses: irrigation, marginal warmwater aquatic life, livestock watering, public water supply, wildlife habitat, and primary contact)**	**WQS Concentration**	**Pueblo of Sandia, Nov. 2008 (use- general stds. and uses as defined for AMAFCA NDC) based on 2010 EPA Approved, March 9, 2010 Amended Surface Water Quality Standards. AMAFCA NDC uses: 1) warm water aquatic life/fishery use, 2) cool water aquatic life/fishery use, 3) primary contact recreational use, 4) secondary contact recreational use, and 5) wildlife habitat use)**	**Sandia Pueblo Concentration**	**Isleta Pueblo (use- general stds. or use as defined for Rio Grande) based on 2005 EPA Approved, March 18, 2002 Amended Surface Water Quality Standards. Rio Grande uses: 1) warmwater fishery use, 2) primary contact ceremonial use, 3) primary contact recreational use, 4) agricultural water supply use, 5) industrial water supply use, and 6) wildlife habitat**	**WQS Concentration**	**Sample Type**	**Analysis Method**	**Provisional or Verified**	**2025 CMC SAMPLE - EXTRA NORTH Collection Date 6/4/2025 Dry Season Sample**	**Qualifier**	**Check compared to Water Quality Criterion**	**Provisional or Verified**	**2025 CMC SAMPLE - EXTRA SOUTH Collection Date 6/03/2025 Dry Season Sample**	**Qualifier**	**Check compared to Water Quality Criterion**	**Provisional or Verified**	**2025 CMC SAMPLE - EXTRA ALAMEDA Collection Date 6/04/25 Dry Season Sample (Pre-Storm)**	**Qualifier**	**Check compared to Water Quality Criterion**	**Provisional or Verified**	**2025 CMC SAMPLE - EXTRA ALAMEDA Collection Date 6/05/25 Dry Season Sample (During Storm)**	**Qualifier**	**Check compared to Water Quality Criterion**
Total Suspended Solids (TSS)	mg/L	--	Listed in general criteria, no numeric standard	--	--	--	Isleta (addressed turbidity, but no numeric criteria for TSS)	--	Composite	SM 2540D																	
Total Dissolved Solids (TDS)	mg/L	--	Rio Grande Basin (at mean monthly flow above 100 cfs)	1,500	--	500	Isleta (General Standards, Section II.K, p. 9 - Increase of more than 1/3 over naturally occurring levels is not permitted)	This spreadsheet is not addressing this narrative standard	Composite	SM2540C MOD	Y	210		OK	Y	260	H	OK										
Chemical Oxygen Demand (COD)	mg/L	--	--	--	--	--	--	--	Composite	EPA 410.4	Y	ND		--	Y	ND		--									
Biochemical Oxygen Demand (BOD 5)	mg/L	--	--	--	--	--	--	--	Composite	SM5210B	Y	ND		--	Y	2.9		--									
Dissolved Oxygen (DO)	mg/L	--	Mixed Warmwater Aquatic	5	Sandia (General Standards, Part II.M, p. 11) & p. 28 for NDC	5	Isleta (Warmwater Fishery Use, p.10; General Standards, Section II.H & M, p. 9)	5	Grab	FIELD	Y	No Data		OK	Y	6.48		OK	V	No Data		--	V	No Data		--	V	No Data		--
Oil and Grease (N-Hexane Extractable Material)	mg/L	--	Listed in general criteria, no numeric standard	--	Sandia (General Standards, Section III.B, p. 9), maximum (15 mg/L) listed as WQS - there is also an ave. of 10 mg/L listed	15	Isleta (General Standards, guidelines, Section II.B, p. 7, Instantaneous maximum (15 mg/L) listed as WQS - there is also a weekly ave. max. of 10 mg/L WQS)	15	Grab	EPA 1664A	Y	ND		OK	Y	ND		OK										
E. coli	MPN (CFU/100 mL)	--	Section 20.6.4.900.D Primary Contact Single Sample Geometric means values not used here for WQS comparison since typ. have only single sample, Geometric mean maximum = 126 CFU/100 ml.	410	Sandia - for NDC (p. 28): [A/1 - SF(S)], geometric mean maximum = 47 colonies/100 ml , single sample = 88 colonies/100 ml Sandia (October 1 to March 31) - secondary contact recreation use applies geometric mean maximum = 126 colonies/100 ml, single sample =235 colonies/100 ml	88	Isleta (primary contact ceremonial use, p. 11; primary contact recreational use, p. 11). Based on single sample maximum. Geometric means values not used here for WQS comparison since typ. have only single sample. Geometric mean maximum = 47 CFU/100 ml.	88	Grab	SM 9223B Fecal Indicator	Y	10.5		OK	Y	908.0		>WQ Standard	V	275		>WQ Standard	V	5,704		>WQ Standard
pH	S.U.	--	Primary Contact & Mar. Warmwater Aquatic	6.6 - 9	Sandia (for AMAFCA NDC), p. 28	6-9	Isleta (6-9 range for warmwater fishery use, p. 10; 6-9 for primary contact recreational use, p. 11). Also have a narrative (p. 9) "The pH of a water body shall not be permitted to fluctuate in excess of 1.0 unit over a period of 24 hours for other than natural causes."	6.6-9	Grab	FIELD	Y	8.4575		OK	Y	7.61		OK	V	No Data		--	V	No Data		--
Total Kjeldahl Nitrogen (TKN)	mg/L	--	--	--	--	--	--	--	Composite	SM 4500	Y	ND		--	Y	1.3		--									
Nitrate plus Nitrite	mg/L	--	Livestock watering (unfiltered sample)	132	--	--	--	--	Composite	EPA 300.0 Anions	Y	0.13		OK	Y	0.3		OK									
Dissolved Phosphorous	mg/L	--	--	--	--	--	--	--	Composite	EPA 365.1, Filtered sample	Y	ND		--	Y	0.15		--									
Ammonia (mg/L as N)	mg/L	--	Acute and chronic aquatic life criteria in the presence of fish early life stages, dependent on pH. See section 20.6.4.900.E and I.	Need to look at Tables in NMAC 20.6.4.900.E & I. Need to check WQ flag by hand- not automated with equation.	Sandia (Appendix A, lookup tables - temperature and pH dependent). If any value reported, must look at tables.	Need to look at Appendix B to determine WQS. Need to check WQ flag by hand- not automated with equation.	Isleta (Append. H , lookup tables based on pH and temperature). If any value reported, must look at tables. Chronic criteria should not be exceeded more than once in any three year period. Acute criteria more fitting for CMC sampling.	Need to look at Appendix H to determine WQS. Need to check WQ flag by hand- not automated with equation.	Composite	SM 4500-NH3	Y	0.28	J	N/A	Y	0.28	J	OK									
Total Nitrogen	mg/L	--	--	--	Sandia (General Standards, Section N pg. 11)	Levels should be above 110% saturation	Isleta (Section IV.D Primary Contact Ceremonial Use, p. 11)	10	Composite	--	Y	0.13	J	OK	Y	2.00		OK									
Total Phosphorous	mg/L	--	--	--	Sandia (General Standards, Part II.C, p.9-10, for streams < 100 sq/L - Guideline, except for highly sediment laden waters) Not applying to these samples. Downstream of Sandia and Rio Grande is sediment laden.	--	--	--	Composite	EPA 365.1	Y	0.061		--	Y	0.71		--									
PCBs (screening - used method 608)	µg/L	0.2	Wildlife Habitat & Aquatic Life (Chronic)=0.014 ug/L; Human health criteria = 0.00064 ug/L; DWS = 0.5 ug/L	0.00064			Isleta (Section IV.I Wildlife Usage, p. 13, PCBs = 24 ng/L =0.074 ug/L; Append. J. Toxic Substances, pg. 26, Chronic toxicity = 0.014 ug/L and human health criteria = 0.17 ng/L=0.00017 ug/L)	0.00017	Composite	EPA 608																	
PCBS - 0.000064 (Method 1668A - sum of all congeners)	µg/L	0.2	Wildlife Habitat & Aquatic Life (Chronic)=0.014 ug/L; Human health criteria = 0.00064 ug/L; DWS = 0.5 ug/L	0.00064	Sandia, Appendix B, p. 5/8 - Chronic = 0.014 ug/L Human Health Criteria, fish consumption = 0.00064 ug/L.	0.00064	Isleta (Section IV.I Wildlife Usage, p. 13, PCBs = 24 ng/L =0.074 ug/L; Append. J. Toxic Substances, pg. 26, Chronic toxicity = 0.014 ug/L and human health criteria = 0.17 ng/L=0.00017 ug/L)	0.00017	Grab	EPA 1668	Y	0.0001542	J (I-)	>WQ Standard	Y	0.0159031	J, B, Q	>WQ Standard									
Gross Alpha, Adjusted	pCi/L	N/A	DWS - Domestic Water Supply and LW - livestock watering	WQS = 15 Because of confidence reporting, need to check WQ flag by hand- not automated with equation.	Sandia (General Standards, Section II.J, pg. 10)	15	Isleta (General Standards, Section II.J, pg. 9- listed as gross alpha (not adjusted))	WQS = 15 Because of confidence reporting, need to check WQ flag by hand- not automated with equation.	Composite	EPA 900.0	Y	1.24	U	OK	Y	18.3		>WQ Standard									
Tetrahydrofuran	µg/L	--	--	--	--	--	--	--	Composite	EPA 8260 C	Y	ND		--	V	ND	H	--									
Benz[a]pyrene	µg/L	5	DWS - Domestic Water Supply (0.2 ug/L) Aquatic Life HH-CH (0.18 ug/L)	0.18	--	--	--	--	Composite	EPA 625	Y	ND		OK	V	ND		OK									
Benz[b]fluoranthene (other name: 3,4-Benzofluoranthene)	µg/L	10	DWS - Domestic Water Supply	0.049	--	--	--	--	Composite	EPA 625	Y	ND		OK	V	ND		OK									
Benz[k]fluoranthene	µg/L	5	DWS - Domestic Water Supply	0.049	--	--	--	--	Composite	EPA 625	Y	ND		OK	V	ND		OK									
Chrysene	µg/L	5	DWS - Domestic Water Supply	0.049	--	--	--	--	Composite	EPA 625	Y	ND		OK	V	ND		OK									
Indeno[1,2,3-cd]Pyrene	µg/L	5	DWS - Domestic Water Supply	0.049	Sandia, Appendix B, p. 5/8 - Human Health Criteria, fish consumption	0.018	--	--	Composite	EPA 625	Y	ND		OK	V	ND		OK									
Dieldrin	µg/L	0.02	DWS - Domestic Water Supply HH-CH	0.022 0.00054	Sandia, Appendix B, p. 5/8 - Acute = 0.24 ug/L, Chronic = 0.056 ug/L, Human Health Criteria, fish consumption = 0.000054 ug/L	0.000054	--	--	Composite	EPA 689	Y	ND		OK	Y	ND	*+	OK									
Pentachlorophenol	µg/L	5	DWS - Domestic Water Supply Aquatic Life (acute/chronic)[7] HH-CH	1 19/15 30	Sandia, Appendix B, p. 5/8 - Acute and Chronic are Equation based on PH, Human Health Criteria, water consumption = 1 ug/L	Eqn. based on pH - need to look in WQS document	Isleta (odor & taste, general stds, Section II.D, pg. 7 and Appendix I)	30	Composite	EPA 625	Y	ND		OK	V	ND		OK									
Bendrine	µg/L	50	DWS - Domestic Water Supply	0.0815	--	--	--	--	Composite	EPA 625	Y	ND		OK	V	ND		OK									
Benz(a)anthracene	µg/L	5	DWS - Domestic Water Supply	0.049	--	--	--	--	Composite	EPA 625	Y	ND		OK	V	ND		OK									
Dibenzofuran	µg/L	--	--	--	--	--	--	--	Composite	EPA 625	Y	ND		--	V	ND		--									
Dibenz(a,h)anthracene	µg/L	5	DWS - Domestic Water Supply	0.049	Sandia, Appendix B, p. 5/8 - Human Health Criteria, fish consumption	0.018	--	--	Composite	EPA 625	Y	ND		OK	V	ND		OK									
Chromium VI (Hexavalent)	µg/L	10	Aquatic Life (acute/chronic)[7]	16 / 11	Sandia, Appendix B, pg. 1/8 (acute = 15.70 ug/L; chronic = 11.36 ug/L); Human Health Criteria, water consumption = 100 ug/L	15.71 / 11.36	Isleta - only dissolved Chromium listed, not Chromium VI	--	Composite	3500Cr-2011	Y	0.071	J	OK	Y	0.072	J	OK									
Dissolved Copper	µg/L	0.5	Aquatic Life (acute/chronic)[7] Toxicity Equations based on hardness. WQS Criteria uses lookup table based on hardness. Irrigation	12 / 8 [Acute / Chronic] values listed here are based on a hardness of 50 mg/L - actual WQS is hardness dependent. 200	Sandia, Appendix B, p 2/8 -acute/chronic based on equations; Human Health Criteria, Fish Consumption = 1000 ug/L	Eqn. based on hardness	Appendix K has Aquatic Life Acute and Chronic Toxicity Equations based on hardness - very similar to NM WQSs. WQS Criteria uses lookup table based on hardness. Isleta (Agricultural Use, p. 13 - livestock - listed as 0.5 mg/L in WQS converted to ug/L units to match reporting). Also total copper criteria listed in (Appendix I (not applicable).	12.2 / 8.2 (Acute / Chronic) values listed here are based on a hardness of 50 mg/L - actual WQS is hardness dependent. 500	Composite	EPA 200.8	Y	0.37		OK	Y	0.94		OK									
Dissolved Lead	µg/L	0.5	Aquatic Life (acute/chronic)[7] Toxicity Equations based on hardness. WQS Criteria uses lookup table based on hardness. DWS - Domestic Water Supply	56 / 2 [Acute / Chronic] values listed here are based on a hardness of 50 mg/L - actual WQS is hardness dependent. 15	Sandia , Appendix B, p 4/8 -acute/chronic based on equations;	Eqn. based on hardness	Isleta (Append. I, Toxic Substances, pg. 23, Chronic and Acute toxicity eqns, dependent on hardness) - check lookup table for any reported values	53/2 (Acute / Chronic) values listed here are based on a hardness of 90 mg/L - actual WQS is hardness dependent.	Composite	EPA 200.8	Y	ND		OK	Y	ND		OK									
Bis (2-ethylhexyl) Phthalate (other names: DEP- ethylhexyl)phthalate, DEHP) - 2.2	µg/L	10	DWS - Domestic Water Supply	6	Sandia, Appendix B, p. 5/8 - Human Health Criteria, fish consumption	2.2	Isleta (Append. I, Toxic Substances, pg. 23)	3.9	Composite	EPA 625	Y	ND		OK	V	ND	*+	OK									
Conductivity	umhos/cm	--	--	--	--	--	--	--	Grab	FIELD	Y	No Data		--	Y	140.75		--	V	No Data		--	V	No Data		--	V	No Data		--
Temperature	°C	--	Mixed Warmwater Aquatic	32.2 max	Sandia (warm water aquatic life/fisheries) Sandia (Cool water Aq Life- applies to MIC only), p. 28	32.2 max 25 max	Isleta (General Standards Section II.J, pg. 9- Section IV.C. Warmwater Fishery Use, pg. 10)	32.2 max	Grab	FIELD	Y	19.9		OK	Y	24.1		OK	V	No Data		--	V	No Data		--	V	No Data		--
Hardness (as CaCO3)	mg/L	--	--	--	--	--	--	--	Grab	SM2340B	Y	110		--	Y	240		--									
Mercury	µg/l	--	--	--	Sandia - wildlife habitat (p. 21) = 0.77 ug/L, Appendix B - p. 4/8 acute = 2.4 ug/L and chronic = 0.012 ug/L; Human Health Criteria, fish	0.012	--	--	Composite	--																		
PFA (6)	ppt (ng/L)			20		20		20		EPA Draft 4- 3653	Y	0.68	J1	OK	Y	1.8	J	OK									
PFA (6) (Filtered)	ppt (ng/L)			20		20		20																			

39

Data Verification/Validation and Qualifier Notes:
(H) The sample results are unusable because certain criteria were not met. The analyte may or may not be present in the sample.
(H+) Sample holding time exceeded.
(J) The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
(J1) Sample was diluted by Lab due to matrix
(U) Analyte was analyzed for , but not detected above the specified detection limit.

Notes:
1. Wet Season monitoring period - July 1 to October 31 and Dry Season monitoring period - November 1 to June 30 according to the Watershed Based MS4 Permit NMR04A000.

2. Water Quality Criterion from 20.6.4NMAC Rio Grande basin - section 20.6.4.135: For a mean monthly flow of 100 cfs, monthly average concentration for TDS 1,320 mg/l or less, sulfate 530 mg/L or less, and chloride 250 mg/L or less.
3. Aquatic life criteria for metals are expressed as a function of total hardness (mg/L as CaCO3) in the water body. Values displayed for the water quality criterion correspond to a total hardness of 50 mg/L as CaCO3. This is the mean hardness used by the USGS in their statistical analysis of water quality data in the Middle Rio Grande. According to NMAC 20.6.4.12.A, compliance with acute water quality criteria shall be determined from
4. According to NMAC 20.6.4.7, coli bacteria for Primary Contact - monthly geometric mean of 126 CFU/100 mL and single sample of 410 CFU/100 mL

5. Water quality criterion for metals is based on dissolved metals, NMAC 20.6.4.900.I and individual sample results compared to acute toxicity values.

6. Eurofins lab method: SM 9223B Fecal Indicator. Note - lab method for units of MPN/100 ml, lab report uses units CFU/100 ml, for this analysis assuming two units are equivalent based on Feb. 26, 2014 NMED Memo "Triennial Review - Most probable number (MPN)/colony forming units (CFU) enumeration methods and probable standards reporting revision".
7. PFA 6 is for the sum of 6 PFAS in drinking water; these compounds are PFOA, PFOS, PFNA, PFHpA, PFHxS and PFDA

ND - analyte not detected above the laboratory method detection limit
NA - not analyzed
Hatching also indicates that parameter was not analyzed

National recommended WQ criteria Human Health:
https://www.epa.gov/wqc/national-recommended-water-quality-criteria-human-health-criteria-table

From: Patrick Chavez <pchavez@amafca.org>
Sent: Monday, July 21, 2025 1:05 PM
To: Sarah Ganley <sganley@bhinc.com>
Subject: FW: AMAFCA Aqueous Samples

No DO and no Alameda WQ field parameters – see below.

Patrick J. Chavez, MSCE, PE, LEED AP+
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From: Joseph J. Tracy <jtracy@intera.com>
Sent: Monday, July 21, 2025 10:54 AM
To: Patrick Chavez <pchavez@amafca.org>; Zachary Chavez <zchavez@intera.com>
Cc: James P. Joseph <jjoseph@intera.com>
Subject: RE: AMAFCA Aqueous Samples

Hi Patrick – I spoke with Zach this morning to get answers to your questions.

We did not collect pH and DO on 6/4 because our meter wasn't working properly so we purchased a new meter for the 6/5 sampling event.

We did not take field parameters for the Alameda sample. Our sampling team did not think they needed to collect field parameters because it was a grab sample. I explained to them that they need to collect field parameters regardless of if it is a grab sample or a primary sample. Please let me know if you have any questions or require any additional information. Thank you,

Joe

INTERA

Joseph J. Tracy
Senior Vice President, Principal Geologist
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From: Patrick Chavez <pchavez@amafca.org>
Sent: Monday, July 21, 2025 9:09 AM
To: Zachary Chavez <zchavez@intera.com>
Cc: James P. Joseph <jjoseph@intera.com>; Joseph J. Tracy <jtracy@intera.com>
Subject: RE: AMAFCA Aqueous Samples

Zach:

Two questions - Looks like there are not values for DO and conductivity for the 6/4 sampling event? Also, were field parameters collected for the Alameda sample?

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From: Zachary Chavez <zchavez@intera.com>
Sent: Friday, July 18, 2025 2:50 PM
To: Patrick Chavez <pchavez@amafca.org>
Cc: James P. Joseph <jjoseph@intera.com>; Joseph J. Tracy <jtracy@intera.com>
Subject: AMAFCA Aqueous Samples

Good afternoon,

Below is a summary of the field parameters measured during the June 2025 sampling event:

Sample RG-North20250604:
Sample time - 14:40
Sample date - 6-4-25

Time	PH	Temperature (C)
13:38	8.54	19.8
13:53	8.42	19.8
14:08	8.43	19.9
14:25	8.44	20.1

Sample RG-South20250605:

Sample RG-South20250605:
Sample time - 14:20
Sample date - 6-5-25

Time	Temperature (C)	DO (mg/l)	PH	SPC (us/cm)	ORP	DO %
13:32	24.2	6.28	6.71	464	165.5	74.8
13:47	23.9	6.34	7.85	408.3	154.0	72.4
14:02	24.1	6.83	7.91	405.6	146.0	81.3
14:17	24.2	6.48	7.97	401.5	101.5	77.4

Please let me know if you need any other information.

Thanks,
Zach

photo

Zachary Chavez
Geologist
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photo

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ANALYTICAL REPORT

PREPARED FOR

Attn: Patrick Chavez
Albuquerque Metropolitan Arroyo Flood Control Authority
2600 Prospect Ave NE
Albuquerque, New Mexico 87107

Generated 7/15/2025 10:04:39 AM

JOB DESCRIPTION

CMC

JOB NUMBER

885-26070-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

myEOL

Eurofins Albuquerque

Job Notes

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

Authorization



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Authorized for release by
Erin Munoz, Project Manager
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(505)345-3975

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 6
Client Sample Results 8
Isotope Dilution Summary 18
QC Sample Results 21
QC Association Summary 45
Lab Chronicle 51
Certification Summary 53
Chain of Custody 56
Field Data Sheets 64
Receipt Checklists 65

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
S1+	Surrogate recovery exceeds control limits, high biased.

HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

LCMS

Qualifier	Qualifier Description
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Dioxin

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
q	The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

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

Glossary (Continued)

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

Job Narrative
885-26070-1

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

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

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

Receipt
The samples were received on 6/4/2025 4:45 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 17.0°C.

Receipt Exceptions
No dissolved bottles received for metal or WC. Had to pour off from unpreserved container to filter and preserve in-lab.

RG-North20250604 (885-26070-1), RG-Alameda20250604 (885-26070-2) and RG-North20250604-Filtered (885-26070-3)

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

GC/MS Semi VOA
Method 625.1_QQQ: The large number of analytes included in the continuing calibration verification (CCV) gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 20% of the analytes of interest are outside the method-defined %D criteria.

Method 625.1_QQQ: The continuing calibration verification (CCV) associated with batch 860-241542 recovered above the upper control limit for Pentachlorophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCVIS 860-241542/2).

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

Pesticides/PCBs
Method 608.3: The surrogate recovery for the blank associated with preparation batch 860-241078 and analytical batch 860-241050 was outside the upper control limits.
(MB 860-241078/1-A)

Method 608.3: The surrogate recovery for the LCS/LCSD associated with preparation batch 860-241078 and analytical batch 860-241050 was outside the upper control limits.
(LCS 860-241078/2-A) and (LCSD 860-241078/3-A)

Method 608.3: The continuing calibration verification (CCV) associated with batch 860-241050 recovered above the upper control limit for DCB Decachlorobiphenyl (Surr). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCVIS 860-241050/4).

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

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

PFAS
Method PFC_IDA: The following sample was preserved with trizma: RG-North20250604 (885-26070-1). Thus, the Method Blank, Laboratory Control Sample and Laboratory Control Sample Duplicate also contain trizma.

Job ID: 885-26070-1 (Continued) Eurofins Albuquerque

Method PFC_IDA: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-856963.

Method PFC_IDA: The following sample in preparation batch 320-856963 was observed to have a thin layer of sediment present in the bottom of the bottle prior to extraction: RG-North20250604 (885-26070-1).

Method PFC_IDA: The transition mass ratio was outside of the established ratio limit for 1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS) in (CCVL 320-857646/5) associated to this data set. This is indicated by the "R" flag in the raw data. As the flagged data is in control in the low level continuing calibration verification (CCVL), there is no adverse impact to the data.

Method PFC_IDA: The "I" qualifier means the transition mass ratio for the indicated analyte was outside the established ratio limits. The qualitative identification of the analyte has some degree of uncertainty. The associated analytes have been flagged: RG-North20250604 (885-26070-1).

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

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

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

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

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

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

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

06/04/2025 Rio Grande North Full analyte list and E.coli and PFAS filtered. Alameda E.coli sample only.

Field Parameters:
- Rio Grande - North
  Temp = 19.9^{0}C
  pH = 8.4575
  Conductivity = No Data
  Dissolved Oxygen = No Data
- Alameda
  Temp = No Data^{0}C
  pH = No Data
  Conductivity = No Data
  Dissolved Oxygen = No Data

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26070-1
Project/Site: CMC

Client Sample ID: RG-North20250604
Lab Sample ID: 885-26070-1
Date Collected: 06/04/25 14:40
Matrix: Water
Date Received: 06/04/25 16:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	ND		0.010	0.0018	mg/L			06/06/25 14:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*63 - 144*		*06/06/25 14:25*	*1*
4-Bromofluorobenzene (Surr)	*102*		*74 - 124*		*06/06/25 14:25*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 131*		*06/06/25 14:25*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/06/25 14:25*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzidine	ND		2.9	0.45	ug/L		06/10/25 05:00	06/13/25 08:24	1
Benzo[a]anthracene	ND		0.29	0.082	ug/L		06/10/25 05:00	06/13/25 08:24	1
Benzo[a]pyrene	ND		0.29	0.070	ug/L		06/10/25 05:00	06/13/25 08:24	1
3,4-Benzofluoranthene	ND		0.57	0.066	ug/L		06/10/25 05:00	06/13/25 08:24	1
Bis(2-ethylhexyl) phthalate	ND		2.9	1.4	ug/L		06/10/25 05:00	06/13/25 08:24	1
Chrysene	ND		0.57	0.082	ug/L		06/10/25 05:00	06/13/25 08:24	1
Dibenz(a,h)anthracene	ND		0.11	0.051	ug/L		06/10/25 05:00	06/13/25 08:24	1
Dibenzofuran	ND		0.57	0.11	ug/L		06/10/25 05:00	06/13/25 08:24	1
Indeno[1,2,3-cd]pyrene	ND		0.57	0.10	ug/L		06/10/25 05:00	06/13/25 08:24	1
Pentachlorophenol	ND		0.57	0.20	ug/L		06/10/25 05:00	06/13/25 08:24	1
Benzo[k]fluoranthene	ND		0.57	0.047	ug/L		06/10/25 05:00	06/13/25 08:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*43 - 130*	*06/10/25 05:00*	*06/13/25 08:24*	*1*
2-Fluorophenol (Surr)	*33*		*19 - 120*	*06/10/25 05:00*	*06/13/25 08:24*	*1*
Nitrobenzene-d5 (Surr)	*93*		*37 - 133*	*06/10/25 05:00*	*06/13/25 08:24*	*1*
Phenol-d5 (Surr)	*30*		*8 - 124*	*06/10/25 05:00*	*06/13/25 08:24*	*1*
p-Terphenyl-d14 (Surr)	*53*		*47 - 130*	*06/10/25 05:00*	*06/13/25 08:24*	*1*
2,4,6-Tribromophenol (Surr)	*82*		*35 - 130*	*06/10/25 05:00*	*06/13/25 08:24*	*1*

Method: EPA 608.3 - Organochlorine Pesticides/PCBs in Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	ND		0.000058	0.000020	mg/L		06/09/25 09:59	06/09/25 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*96*		*45 - 115*	*06/09/25 09:59*	*06/09/25 17:17*	*1*
Tetrachloro-m-xylene	*97*		*41 - 110*	*06/09/25 09:59*	*06/09/25 17:17*	*1*

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	**0.071**	**J**	0.20	0.051	ug/L			06/09/25 05:38	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate	**0.13**		0.10	0.020	mg/L			06/05/25 16:27	1
Nitrite	ND		0.10	0.012	mg/L			06/05/25 16:27	1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**1.2**	**J**	4.6	1.2	ng/L		06/12/25 04:30	06/14/25 14:36	1
Perfluoropentanoic acid (PFPeA)	ND		1.8	0.46	ng/L		06/12/25 04:30	06/14/25 14:36	1

Client Sample ID: RG-North20250604
Lab Sample ID: 885-26070-1
Date Collected: 06/04/25 14:40
Matrix: Water
Date Received: 06/04/25 16:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	ND		1.8	0.53	ng/L		06/12/25 04:30	06/14/25 14:36	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8	0.46	ng/L		06/12/25 04:30	06/14/25 14:36	1
Perfluorooctanoic acid (PFOA)	0.68	J I	1.8	0.46	ng/L		06/12/25 04:30	06/14/25 14:36	1
Perfluorononanoic acid (PFNA)	ND		1.8	0.46	ng/L		06/12/25 04:30	06/14/25 14:36	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.46	ng/L		06/12/25 04:30	06/14/25 14:36	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.46	ng/L		06/12/25 04:30	06/14/25 14:36	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.51	ng/L		06/12/25 04:30	06/14/25 14:36	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.8	0.46	ng/L		06/12/25 04:30	06/14/25 14:36	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.67	ng/L		06/12/25 04:30	06/14/25 14:36	1
Perfluorobutanesulfonic acid (PFBS)	0.59	J	1.8	0.46	ng/L		06/12/25 04:30	06/14/25 14:36	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.8	0.46	ng/L		06/12/25 04:30	06/14/25 14:36	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.53	ng/L		06/12/25 04:30	06/14/25 14:36	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8	0.46	ng/L		06/12/25 04:30	06/14/25 14:36	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8	0.46	ng/L		06/12/25 04:30	06/14/25 14:36	1
Perfluorononanesulfonic acid (PFNS)	ND		1.8	0.46	ng/L		06/12/25 04:30	06/14/25 14:36	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.46	ng/L		06/12/25 04:30	06/14/25 14:36	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8	0.90	ng/L		06/12/25 04:30	06/14/25 14:36	1
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.6	1.2	ng/L		06/12/25 04:30	06/14/25 14:36	1
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.6	1.2	ng/L		06/12/25 04:30	06/14/25 14:36	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		1.8	0.46	ng/L		06/12/25 04:30	06/14/25 14:36	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		4.6	1.2	ng/L		06/12/25 04:30	06/14/25 14:36	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		1.8	0.46	ng/L		06/12/25 04:30	06/14/25 14:36	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*114*		*25 - 150*	*06/12/25 04:30*	*06/14/25 14:36*	*1*
13C5 PFPeA	*90*		*25 - 150*	*06/12/25 04:30*	*06/14/25 14:36*	*1*
13C2 PFHxA	*110*		*25 - 150*	*06/12/25 04:30*	*06/14/25 14:36*	*1*
13C4 PFHpA	*106*		*25 - 150*	*06/12/25 04:30*	*06/14/25 14:36*	*1*
13C4 PFOA	*101*		*25 - 150*	*06/12/25 04:30*	*06/14/25 14:36*	*1*
13C5 PFNA	*103*		*25 - 150*	*06/12/25 04:30*	*06/14/25 14:36*	*1*
13C2 PFDA	*95*		*25 - 150*	*06/12/25 04:30*	*06/14/25 14:36*	*1*
13C2 PFUnA	*99*		*25 - 150*	*06/12/25 04:30*	*06/14/25 14:36*	*1*
13C2 PFDoA	*81*		*25 - 150*	*06/12/25 04:30*	*06/14/25 14:36*	*1*
13C2 PFTeDA	*80*		*25 - 150*	*06/12/25 04:30*	*06/14/25 14:36*	*1*
13C3 PFBS	*106*		*25 - 150*	*06/12/25 04:30*	*06/14/25 14:36*	*1*
18O2 PFHxS	*106*		*25 - 150*	*06/12/25 04:30*	*06/14/25 14:36*	*1*
13C4 PFOS	*106*		*25 - 150*	*06/12/25 04:30*	*06/14/25 14:36*	*1*
13C8 FOSA	*102*		*25 - 150*	*06/12/25 04:30*	*06/14/25 14:36*	*1*
d3-NMeFOSAA	*109*		*25 - 150*	*06/12/25 04:30*	*06/14/25 14:36*	*1*
d5-NEtFOSAA	*110*		*25 - 150*	*06/12/25 04:30*	*06/14/25 14:36*	*1*
13C2 6:2 FTS	*110*		*25 - 150*	*06/12/25 04:30*	*06/14/25 14:36*	*1*
13C2 8:2 FTS	*102*		*25 - 150*	*06/12/25 04:30*	*06/14/25 14:36*	*1*

Client Sample ID: RG-North20250604
Lab Sample ID: 885-26070-1
Date Collected: 06/04/25 14:40
Matrix: Water
Date Received: 06/04/25 16:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 4:2 FTS	120		25 - 150	06/12/25 04:30	06/14/25 14:36	1

Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	ND		20	2.8	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-2	ND		200	4.4	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-3	ND		60	7.1	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-4	ND		40	5.3	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-5	ND		200	11	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-6	ND		200	4.1	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-7	ND		200	5.5	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-8	ND		200	7.6	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-9	ND		200	3.0	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-10	ND		200	4.9	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-11	30	J B	200	16	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-12	ND		400	8.6	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-13	ND		400	8.6	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-14	ND		200	3.5	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-15	8.7	J q	40	3.7	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-16	ND		200	6.9	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-17	4.7	J	200	3.7	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-18	6.0	J	400	4.2	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-19	ND		20	9.4	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-20	ND		400	21	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-21	ND		400	15	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-22	ND		200	3.4	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-23	ND		200	8.1	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-24	ND		200	2.9	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-25	ND		200	4.2	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-26	ND		400	9.4	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-27	ND		200	9.7	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-28	ND		400	21	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-29	ND		400	9.4	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-30	6.0	J	400	4.2	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-31	8.7	J	200	5.8	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-32	ND		200	3.7	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-33	ND		400	15	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-34	ND		200	6.0	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-35	ND		200	3.5	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-36	ND		200	5.7	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-37	7.0	J	20	5.6	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-38	ND		200	13	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-39	ND		200	10	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-40	ND		400	12	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-41	ND		200	8.4	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-42	ND		200	8.2	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-43	ND		200	11	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-44	19	J	600	16	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-45	ND		400	7.7	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-46	ND		200	3.6	pg/L		06/18/25 09:51	06/24/25 05:46	1

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26070-1
Project/Site: CMC

Client Sample ID: RG-North20250604
Lab Sample ID: 885-26070-1
Date Collected: 06/04/25 14:40
Matrix: Water
Date Received: 06/04/25 16:45

Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-47	19	J	600	16	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-48	ND		200	4.7	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-49	ND		400	5.5	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-50	ND		400	11	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-51	ND		400	7.7	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-52	11	J	200	4.3	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-53	ND		400	11	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-54	ND		20	8.4	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-55	ND		200	7.6	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-56	ND		200	6.7	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-57	ND		200	4.7	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-58	ND		200	6.9	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-59	ND		600	12	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-60	ND		200	4.0	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-61	ND		800	20	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-62	ND		600	12	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-63	ND		200	10	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-64	5.4	J q	200	3.8	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-65	19	J	600	16	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-66	ND		200	10	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-67	ND		200	13	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-68	ND		200	9.2	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-69	ND		400	5.5	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-70	ND		800	20	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-71	ND		400	12	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-72	ND		200	7.0	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-73	ND		200	5.3	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-74	ND		800	20	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-75	ND		600	12	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-76	ND		800	20	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-77	ND		20	6.6	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-78	ND		200	4.7	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-79	ND		200	8.2	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-80	ND		200	8.2	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-81	ND		20	5.2	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-82	ND		200	6.2	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-83	ND		400	9.4	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-84	ND		200	9.8	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-85	ND		600	16	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-86	ND		1200	29	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-87	ND		1200	29	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-88	ND		400	9.0	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-89	ND		200	8.3	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-90	ND		600	17	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-91	ND		400	9.0	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-92	ND		200	2.6	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-93	ND		400	10	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-94	ND		200	10	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-95	ND		200	11	pg/L		06/18/25 09:51	06/24/25 05:46	1

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26070-1
Project/Site: CMC

Client Sample ID: RG-North20250604
Lab Sample ID: 885-26070-1
Date Collected: 06/04/25 14:40
Matrix: Water
Date Received: 06/04/25 16:45

Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-96	ND		200	15	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-97	ND		1200	29	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-98	ND		400	14	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-99	ND		400	9.4	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-100	ND		400	10	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-101	ND		600	17	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-102	ND		400	14	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-103	ND		200	8.7	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-104	ND		20	4.6	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-105	ND		20	9.3	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-106	ND		200	8.3	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-107	ND		200	4.2	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-108	ND		400	10	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-109	ND		1200	34	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-110	ND		400	14	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-111	ND		200	2.8	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-112	ND		200	6.3	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-113	ND		600	17	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-114	ND		20	3.4	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-115	ND		400	14	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-116	ND		600	16	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-117	ND		600	16	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-118	ND		20	8.9	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-119	ND		1200	29	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-120	ND		200	5.6	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-121	ND		200	11	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-122	ND		200	2.1	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-123	ND		20	9.9	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-124	ND		400	10	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-125	ND		1200	29	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-126	ND		20	5.1	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-127	ND		200	2.3	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-128	ND		400	10	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-129	ND		800	16	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-130	ND		200	11	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-131	ND		200	5.6	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-132	ND		200	4.9	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-133	ND		200	10	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-134	ND		400	15	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-135	9.8	J B q	400	9.8	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-136	ND		200	6.1	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-137	ND		200	5.9	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-138	ND		800	16	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-139	ND		400	9.4	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-140	ND		400	9.4	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-141	ND		200	7.3	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-142	ND		200	12	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-143	ND		400	15	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-144	ND		200	6.2	pg/L		06/18/25 09:51	06/24/25 05:46	1

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26070-1
Project/Site: CMC

Client Sample ID: RG-North20250604
Lab Sample ID: 885-26070-1
Date Collected: 06/04/25 14:40
Matrix: Water
Date Received: 06/04/25 16:45

Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-145	ND		200	4.2	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-146	ND		200	7.2	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-147	ND		400	9.4	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-148	ND		200	6.7	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-149	ND		400	9.4	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-150	ND		200	11	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-151	9.8	J B q	400	9.8	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-152	ND		200	5.5	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-153	12	J q	400	9.4	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-154	ND		200	5.8	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-155	ND		20	5.8	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-156	ND		40	8.2	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-157	ND		40	8.2	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-158	ND		200	6.4	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-159	ND		200	6.3	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-160	ND		800	16	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-161	ND		200	5.0	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-162	ND		200	9.1	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-163	ND		800	16	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-164	ND		200	10	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-165	ND		200	5.0	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-166	ND		400	10	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-167	ND		20	7.7	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-168	12	J q	400	9.4	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-169	6.1	J B q	20	3.3	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-170	ND		200	5.5	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-171	ND		400	9.2	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-172	ND		200	5.4	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-173	ND		400	9.2	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-174	ND		200	17	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-175	ND		200	3.9	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-176	ND		200	4.6	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-177	ND		200	3.2	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-178	ND		200	4.2	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-179	ND		200	6.3	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-180	ND		400	7.9	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-181	ND		200	4.5	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-182	ND		200	14	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-183	ND		200	6.3	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-184	ND		200	14	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-185	ND		200	12	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-186	ND		200	15	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-187	ND		200	6.9	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-188	ND		20	10	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-189	ND		20	16	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-190	ND		200	2.6	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-191	ND		200	3.0	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-192	ND		200	4.5	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-193	ND		400	7.9	pg/L		06/18/25 09:51	06/24/25 05:46	1

Client Sample ID: RG-North20250604
Lab Sample ID: 885-26070-1
Date Collected: 06/04/25 14:40
Matrix: Water
Date Received: 06/04/25 16:45

Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-194	ND		200	8.8	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-195	ND		200	18	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-196	ND		200	3.1	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-197	ND		200	14	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-198	ND		400	7.8	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-199	ND		400	7.8	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-200	ND		200	5.9	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-201	ND		200	13	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-202	ND		20	3.8	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-203	ND		200	4.9	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-204	ND		200	13	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-205	ND		20	4.1	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-206	ND		20	8.4	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-207	ND		200	5.4	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-208	ND		20	3.8	pg/L		06/18/25 09:51	06/24/25 05:46	1
PCB-209	ND		20	11	pg/L		06/18/25 09:51	06/24/25 05:46	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*68*		*15 - 150*	*06/18/25 09:51*	*06/24/25 05:46*	*1*
PCB-3L	*64*		*15 - 150*	*06/18/25 09:51*	*06/24/25 05:46*	*1*
PCB-4L	*67*		*25 - 150*	*06/18/25 09:51*	*06/24/25 05:46*	*1*
PCB-15L	*56*		*25 - 150*	*06/18/25 09:51*	*06/24/25 05:46*	*1*
PCB-19L	*62*		*25 - 150*	*06/18/25 09:51*	*06/24/25 05:46*	*1*
PCB-37L	*58*		*25 - 150*	*06/18/25 09:51*	*06/24/25 05:46*	*1*
PCB-54L	*53*		*25 - 150*	*06/18/25 09:51*	*06/24/25 05:46*	*1*
PCB-77L	*54*		*25 - 150*	*06/18/25 09:51*	*06/24/25 05:46*	*1*
PCB-81L	*58*		*25 - 150*	*06/18/25 09:51*	*06/24/25 05:46*	*1*
PCB-104L	*49*		*25 - 150*	*06/18/25 09:51*	*06/24/25 05:46*	*1*
PCB-105L	*61*		*25 - 150*	*06/18/25 09:51*	*06/24/25 05:46*	*1*
PCB-114L	*58*		*25 - 150*	*06/18/25 09:51*	*06/24/25 05:46*	*1*
PCB-118L	*58*		*25 - 150*	*06/18/25 09:51*	*06/24/25 05:46*	*1*
PCB-123L	*56*		*25 - 150*	*06/18/25 09:51*	*06/24/25 05:46*	*1*
PCB-126L	*63*		*25 - 150*	*06/18/25 09:51*	*06/24/25 05:46*	*1*
PCB-155L	*45*		*25 - 150*	*06/18/25 09:51*	*06/24/25 05:46*	*1*
PCB-156L	*59*		*25 - 150*	*06/18/25 09:51*	*06/24/25 05:46*	*1*
PCB-156L/157L	*59*		*25 - 150*	*06/18/25 09:51*	*06/24/25 05:46*	*1*
PCB-157L	*59*		*25 - 150*	*06/18/25 09:51*	*06/24/25 05:46*	*1*
PCB-167L	*55*		*25 - 150*	*06/18/25 09:51*	*06/24/25 05:46*	*1*
PCB-169L	*60*		*25 - 150*	*06/18/25 09:51*	*06/24/25 05:46*	*1*
PCB-188L	*48*		*25 - 150*	*06/18/25 09:51*	*06/24/25 05:46*	*1*
PCB-189L	*61*		*25 - 150*	*06/18/25 09:51*	*06/24/25 05:46*	*1*
PCB-202L	*57*		*25 - 150*	*06/18/25 09:51*	*06/24/25 05:46*	*1*
PCB-205L	*72*		*25 - 150*	*06/18/25 09:51*	*06/24/25 05:46*	*1*
PCB-206L	*73*		*25 - 150*	*06/18/25 09:51*	*06/24/25 05:46*	*1*
PCB-208L	*64*		*25 - 150*	*06/18/25 09:51*	*06/24/25 05:46*	*1*
PCB-209L	*67*		*25 - 150*	*06/18/25 09:51*	*06/24/25 05:46*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*78*		*30 - 135*	*06/18/25 09:51*	*06/24/25 05:46*	*1*
PCB-111L	*81*		*30 - 135*	*06/18/25 09:51*	*06/24/25 05:46*	*1*

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26070-1
Project/Site: CMC

Client Sample ID: RG-North20250604
Lab Sample ID: 885-26070-1
Date Collected: 06/04/25 14:40
Matrix: Water
Date Received: 06/04/25 16:45

Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-178L	90		30 - 135	06/18/25 09:51	06/24/25 05:46	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**38**		1.0	0.42	mg/L		06/06/25 11:43	06/10/25 14:44	1
Magnesium	**6.9**		1.0	0.064	mg/L		06/06/25 11:43	06/10/25 14:44	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**2.1**		1.0	0.15	ug/L		07/01/25 14:54	07/02/25 18:03	2

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.00050	0.00034	mg/L			06/23/25 17:06	1
Copper	**0.00077**		0.00050	0.00030	mg/L			06/24/25 13:10	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**120**		6.6	2.5	mg/L			06/10/25 16:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease) (1664B)	ND		9.0	9.0	mg/L			06/05/25 16:00	1
Total Dissolved Solids (SM 2540C)	**210**		50	25	mg/L			06/11/25 16:35	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	0.50	mg/L		06/18/25 15:52	06/20/25 09:03	1
Total Phosphorus as P (EPA 365.1)	**0.061**		0.050	0.050	mg/L		06/13/25 12:55	06/14/25 08:21	1
Biochemical Oxygen Demand (SM 5210 B-2016)	ND		2.0	1.0	mg/L			06/05/25 12:53	1
Chemical Oxygen Demand (SM 5220D)	ND		50	50	mg/L			06/19/25 13:17	1
Total Suspended Solids (SM 2540D)	**36**		4.0	4.0	mg/L			06/09/25 15:59	1
pH (SM 4500 H+ B)	**8.3**	**HF**	0.1	0.1	SU			06/05/25 16:58	1
Ammonia (SM 4500 NH3 C)	**0.28**	**J**	0.67	0.28	mg/L		06/16/25 07:33	06/16/25 07:33	1

Method: EPA 900.0 - Gross Alpha and Gross Beta Radioactivity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**2.67**		1.61	1.63	3.00	2.22	pCi/L	06/09/25 08:04	06/11/25 07:39	1
Gross Beta	**4.00**		1.01	1.09	4.00	1.24	pCi/L	06/09/25 08:04	06/11/25 07:39	1

Method: SM Gross Alpha Adj - Gross Alpha Adjusted

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Adjusted Gross Alpha	1.24	U	1.61	1.64	3.00	2.22	pCi/L		07/02/25 18:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	**30.5**		1.0	1.0	MPN/100mL			06/04/25 17:15	1

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26070-1
Project/Site: CMC

Client Sample ID: RG-Alameda20250604
Lab Sample ID: 885-26070-2
Date Collected: 06/04/25 15:40
Matrix: Water
Date Received: 06/04/25 16:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	275.0		10.0	10.0	MPN/100mL			06/04/25 17:15	1

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26070-1
Project/Site: CMC

Client Sample ID: RG-North20250604-Filtered
Lab Sample ID: 885-26070-3
Date Collected: 06/04/25 14:40
Matrix: Water
Date Received: 06/04/25 16:45

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphorus as P (EPA 365.1)	ND		0.050	0.050	mg/L		06/10/25 12:28	06/11/25 12:16	1

Isotope Dilution Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26070-1
Project/Site: CMC

Method: 537 (modified) - Fluorinated Alkyl Substances

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

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFBA	PFPeA	PFHxA	C4PFHA	PFOA	PFNA	PFDA	PFUnA
Lab Sample ID	Client Sample ID	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)
885-26070-1	RG-North20250604	114	90	110	106	101	103	95	99
LCS 320-856963/2-A	Lab Control Sample	115	90	102	109	101	97	95	98
LCSD 320-856963/3-A	Lab Control Sample Dup	115	93	99	106	99	99	94	99
MB 320-856963/1-A	Method Blank	116	93	103	113	101	97	95	101

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFDoA	PFTDA	C3PFBS	PFHxS	PFOS	PFOSA	d3NMFOS	d5NEFOS
Lab Sample ID	Client Sample ID	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)
885-26070-1	RG-North20250604	81	80	106	106	106	102	109	110
LCS 320-856963/2-A	Lab Control Sample	87	99	107	111	108	100	107	105
LCSD 320-856963/3-A	Lab Control Sample Dup	90	100	110	107	100	101	102	111
MB 320-856963/1-A	Method Blank	93	107	105	111	103	103	107	119

		Percent Isotope Dilution Recovery (Acceptance Limits)		
		M262FTS	M282FTS	M242FTS
Lab Sample ID	Client Sample ID	(25-150)	(25-150)	(25-150)
885-26070-1	RG-North20250604	110	102	120
LCS 320-856963/2-A	Lab Control Sample	104	96	102
LCSD 320-856963/3-A	Lab Control Sample Dup	105	100	106
MB 320-856963/1-A	Method Blank	108	100	99

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
PFHxA = 13C2 PFHxA
C4PFHA = 13C4 PFHpA
PFOA = 13C4 PFOA
PFNA = 13C5 PFNA
PFDA = 13C2 PFDA
PFUnA = 13C2 PFUnA
PFDoA = 13C2 PFDoA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
PFHxS = 18O2 PFHxS
PFOS = 13C4 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M262FTS = 13C2 6:2 FTS
M282FTS = 13C2 8:2 FTS
M242FTS = 13C2 4:2 FTS

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

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

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB1L	PCB3L	PCB4L	PCB15L	PCB19L	PCB37L	PCB54L	PCB77L
Lab Sample ID	Client Sample ID	(15-150)	(15-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)
885-26070-1	RG-North20250604	68	64	67	56	62	58	53	54
MB 320-858301/1-A	Method Blank	69	65	68	62	66	64	66	58

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

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

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB81L	PCB104L	PCB105L	PCB114L	PCB118L	PCB123L	PCB126L	PCB155L
Lab Sample ID	Client Sample ID	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)
885-26070-1	RG-North20250604	58	49	61	58	58	56	63	45
MB 320-858301/1-A	Method Blank	64	67	73	70	72	70	73	61

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB156L	156157L	PCB157L	PCB167L	PCB169L	PCB188L	PCB189L	PCB202L
Lab Sample ID	Client Sample ID	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)
885-26070-1	RG-North20250604	59	59	59	55	60	48	61	57
MB 320-858301/1-A	Method Blank	70	70	70	68	69	59	71	68

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB205L	PCB206L	PCB208L	PCB209L				
Lab Sample ID	Client Sample ID	(25-150)	(25-150)	(25-150)	(25-150)				
885-26070-1	RG-North20250604	72	73	64	67				
MB 320-858301/1-A	Method Blank	80	81	68	76				

Surrogate Legend

PCB1L = PCB-1L
PCB3L = PCB-3L
PCB4L = PCB-4L
PCB15L = PCB-15L
PCB19L = PCB-19L
PCB37L = PCB-37L
PCB54L = PCB-54L
PCB77L = PCB-77L
PCB81L = PCB-81L
PCB104L = PCB-104L
PCB105L = PCB-105L
PCB114L = PCB-114L
PCB118L = PCB-118L
PCB123L = PCB-123L
PCB126L = PCB-126L
PCB155L = PCB-155L
PCB156L = PCB-156L
156157L = PCB-156L/157L
PCB157L = PCB-157L
PCB167L = PCB-167L
PCB169L = PCB-169L
PCB188L = PCB-188L
PCB189L = PCB-189L
PCB202L = PCB-202L
PCB205L = PCB-205L
PCB206L = PCB-206L
PCB208L = PCB-208L
PCB209L = PCB-209L

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

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

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB1L	PCB3L	PCB4L	PCB15L	PCB19L	PCB37L	PCB54L	PCB77L
Lab Sample ID	Client Sample ID	(15-140)	(15-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)
LCS 320-858301/2-A	Lab Control Sample	76	71	72	68	69	77	70	67

Isotope Dilution Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26070-1
Project/Site: CMC

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

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

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB1L	PCB3L	PCB4L	PCB15L	PCB19L	PCB37L	PCB54L	PCB77L
Lab Sample ID	Client Sample ID	(15-140)	(15-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)
LCSD 320-858301/3-A	Lab Control Sample Dup	71	67	67	60	65	66	63	63

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB81L	PCB104L	PCB105L	PCB114L	PCB118L	PCB123L	PCB126L	PCB155L
Lab Sample ID	Client Sample ID	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)
LCS 320-858301/2-A	Lab Control Sample	74	74	78	78	76	74	81	64
LCSD 320-858301/3-A	Lab Control Sample Dup	68	63	70	71	70	68	76	52

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB156L	156157L	PCB157L	PCB167L	PCB169L	PCB188L	PCB189L	PCB202L
Lab Sample ID	Client Sample ID	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)
LCS 320-858301/2-A	Lab Control Sample	73	73	73	73	76	61	77	72
LCSD 320-858301/3-A	Lab Control Sample Dup	69	69	69	65	72	53	72	60

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB205L	PCB206L	PCB208L	PCB209L				
Lab Sample ID	Client Sample ID	(30-140)	(30-140)	(30-140)	(30-140)				
LCS 320-858301/2-A	Lab Control Sample	89	92	80	84				
LCSD 320-858301/3-A	Lab Control Sample Dup	86	87	73	81				

Surrogate Legend

PCB1L = PCB-1L
PCB3L = PCB-3L
PCB4L = PCB-4L
PCB15L = PCB-15L
PCB19L = PCB-19L
PCB37L = PCB-37L
PCB54L = PCB-54L
PCB77L = PCB-77L
PCB81L = PCB-81L
PCB104L = PCB-104L
PCB105L = PCB-105L
PCB114L = PCB-114L
PCB118L = PCB-118L
PCB123L = PCB-123L
PCB126L = PCB-126L
PCB155L = PCB-155L
PCB156L = PCB-156L
156157L = PCB-156L/157L
PCB157L = PCB-157L
PCB167L = PCB-167L
PCB169L = PCB-169L
PCB188L = PCB-188L
PCB189L = PCB-189L
PCB202L = PCB-202L
PCB205L = PCB-205L
PCB206L = PCB-206L
PCB208L = PCB-208L
PCB209L = PCB-209L

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

Lab Sample ID: MB 860-240649/10
Matrix: Water
Analysis Batch: 240649

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	ND		0.010	0.0018	mg/L			06/06/25 10:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*63 - 144*		*06/06/25 10:19*	*1*
4-Bromofluorobenzene (Surr)	*101*		*74 - 124*		*06/06/25 10:19*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 131*		*06/06/25 10:19*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/06/25 10:19*	*1*

Lab Sample ID: LCS 860-240649/3
Matrix: Water
Analysis Batch: 240649

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Tetrahydrofuran			0.100	0.0971		mg/L		97	75 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*63 - 144*
4-Bromofluorobenzene (Surr)	*101*		*74 - 124*
Dibromofluoromethane (Surr)	*99*		*75 - 131*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: LCSD 860-240649/4
Matrix: Water
Analysis Batch: 240649

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Tetrahydrofuran			0.100	0.0970		mg/L		97	75 - 125	0	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*63 - 144*
4-Bromofluorobenzene (Surr)	*101*		*74 - 124*
Dibromofluoromethane (Surr)	*99*		*75 - 131*
Toluene-d8 (Surr)	*100*		*80 - 120*

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

Lab Sample ID: MB 860-241035/1-A
Matrix: Water
Analysis Batch: 241542

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 241035

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzidine	ND		2.9	0.45	ug/L		06/09/25 06:45	06/10/25 19:07	1
Benzo[a]anthracene	ND		0.29	0.082	ug/L		06/09/25 06:45	06/10/25 19:07	1
Benzo[a]pyrene	ND		0.29	0.070	ug/L		06/09/25 06:45	06/10/25 19:07	1
3,4-Benzofluoranthene	ND		0.57	0.066	ug/L		06/09/25 06:45	06/10/25 19:07	1
Bis(2-ethylhexyl) phthalate	ND		2.9	1.4	ug/L		06/09/25 06:45	06/10/25 19:07	1
Chrysene	ND		0.57	0.082	ug/L		06/09/25 06:45	06/10/25 19:07	1
Dibenz(a,h)anthracene	ND		0.11	0.051	ug/L		06/09/25 06:45	06/10/25 19:07	1

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

Lab Sample ID: MB 860-241035/1-A
Matrix: Water
Analysis Batch: 241542

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 241035

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		0.57	0.11	ug/L		06/09/25 06:45	06/10/25 19:07	1
Indeno[1,2,3-cd]pyrene	ND		0.57	0.10	ug/L		06/09/25 06:45	06/10/25 19:07	1
Pentachlorophenol	ND		0.57	0.20	ug/L		06/09/25 06:45	06/10/25 19:07	1
Benzo[k]fluoranthene	ND		0.57	0.047	ug/L		06/09/25 06:45	06/10/25 19:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*56*		*43 - 130*	*06/09/25 06:45*	*06/10/25 19:07*	*1*
2-Fluorophenol (Surr)	*61*		*19 - 120*	*06/09/25 06:45*	*06/10/25 19:07*	*1*
Nitrobenzene-d5 (Surr)	*54*		*37 - 133*	*06/09/25 06:45*	*06/10/25 19:07*	*1*
Phenol-d5 (Surr)	*57*		*8 - 124*	*06/09/25 06:45*	*06/10/25 19:07*	*1*
p-Terphenyl-d14 (Surr)	*64*		*47 - 130*	*06/09/25 06:45*	*06/10/25 19:07*	*1*
2,4,6-Tribromophenol (Surr)	*55*		*35 - 130*	*06/09/25 06:45*	*06/10/25 19:07*	*1*

Lab Sample ID: LCS 860-241035/2-A
Matrix: Water
Analysis Batch: 241542

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 241035

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzidine	5.71	1.67	J	ug/L		29	5 - 100
Benzo[a]anthracene	5.71	4.69		ug/L		82	33 - 143
Benzo[a]pyrene	5.71	4.83		ug/L		84	17 - 163
3,4-Benzofluoranthene	5.71	4.73		ug/L		83	24 - 159
Bis(2-ethylhexyl) phthalate	5.71	4.15		ug/L		73	8 - 158
Chrysene	5.71	4.49		ug/L		79	17 - 168
Dibenz(a,h)anthracene	5.71	5.36		ug/L		94	50 - 227
Dibenzofuran	5.71	4.17		ug/L		73	52 - 139
Indeno[1,2,3-cd]pyrene	5.71	4.98		ug/L		87	46 - 171
Pentachlorophenol	5.71	6.12		ug/L		107	14 - 176
Benzo[k]fluoranthene	5.71	4.79		ug/L		84	11 - 162

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*61*		*43 - 130*
2-Fluorophenol (Surr)	*64*		*19 - 120*
Nitrobenzene-d5 (Surr)	*59*		*37 - 133*
Phenol-d5 (Surr)	*61*		*8 - 124*
p-Terphenyl-d14 (Surr)	*68*		*47 - 130*
2,4,6-Tribromophenol (Surr)	*68*		*35 - 130*

Lab Sample ID: LCSD 860-241035/3-A
Matrix: Water
Analysis Batch: 241542

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 241035

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzidine	5.71	1.75	J	ug/L		31	5 - 100	5	30
Benzo[a]anthracene	5.71	4.52		ug/L		79	33 - 143	4	30
Benzo[a]pyrene	5.71	4.60		ug/L		81	17 - 163	5	30
3,4-Benzofluoranthene	5.71	4.58		ug/L		80	24 - 159	3	30
Bis(2-ethylhexyl) phthalate	5.71	4.22		ug/L		74	8 - 158	2	30

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

Lab Sample ID: LCSD 860-241035/3-A
Matrix: Water
Analysis Batch: 241542

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 241035

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chrysene			5.71	4.62		ug/L		81	17 - 168	3	30
Dibenz(a,h)anthracene			5.71	5.25		ug/L		92	50 - 227	2	30
Dibenzofuran			5.71	4.17		ug/L		73	52 - 139	0	30
Indeno[1,2,3-cd]pyrene			5.71	4.85		ug/L		85	46 - 171	3	30
Pentachlorophenol			5.71	6.06		ug/L		106	14 - 176	1	30
Benzo[k]fluoranthene			5.71	4.55		ug/L		80	11 - 162	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*58*		*43 - 130*
2-Fluorophenol (Surr)	*65*		*19 - 120*
Nitrobenzene-d5 (Surr)	*60*		*37 - 133*
Phenol-d5 (Surr)	*64*		*8 - 124*
p-Terphenyl-d14 (Surr)	*67*		*47 - 130*
2,4,6-Tribromophenol (Surr)	*66*		*35 - 130*

Method: 608.3 - Organochlorine Pesticides/PCBs in Water

Lab Sample ID: MB 860-241078/1-A
Matrix: Water
Analysis Batch: 241050

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 241078

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	ND		0.000057	0.000020	mg/L		06/09/25 09:59	06/09/25 14:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*130*	*S1+*	*45 - 115*	*06/09/25 09:59*	*06/09/25 14:28*	*1*
Tetrachloro-m-xylene	*92*		*41 - 110*	*06/09/25 09:59*	*06/09/25 14:28*	*1*

Lab Sample ID: LCS 860-241078/2-A
Matrix: Water
Analysis Batch: 241050

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 241078

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dieldrin			0.00143	0.00117	p	mg/L		81	52 - 102

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*122*	*S1+*	*45 - 115*
Tetrachloro-m-xylene	*105*		*41 - 110*

Lab Sample ID: LCSD 860-241078/3-A
Matrix: Water
Analysis Batch: 241050

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 241078

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dieldrin			0.00144	0.00121		mg/L		84	52 - 102	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*128*	*S1+*	*45 - 115*

Method: 608.3 - Organochlorine Pesticides/PCBs in Water (Continued)

Lab Sample ID: LCSD 860-241078/3-A
Matrix: Water
Analysis Batch: 241050

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 241078

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*106*		*41 - 110*

Method: 218.6 - Chromium, Hexavalent (Ion Chromatography)

Lab Sample ID: MB 570-581226/4
Matrix: Water
Analysis Batch: 581226

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		0.20	0.051	ug/L			06/09/25 03:03	1

Lab Sample ID: LCS 570-581226/5
Matrix: Water
Analysis Batch: 581226

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium, hexavalent	50.1	48.4		ug/L		97	95 - 107

Lab Sample ID: LCSD 570-581226/6
Matrix: Water
Analysis Batch: 581226

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	50.1	50.3		ug/L		101	95 - 107	4	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-27638/4
Matrix: Water
Analysis Batch: 27638

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate	ND		0.10	0.020	mg/L			06/05/25 08:43	1
Nitrite	ND		0.10	0.012	mg/L			06/05/25 08:43	1

Lab Sample ID: LCS 885-27638/5
Matrix: Water
Analysis Batch: 27638

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate	2.50	2.51		mg/L		100	90 - 110
Nitrite	1.00	0.945		mg/L		94	90 - 110

Lab Sample ID: MRL 885-27638/3
Matrix: Water
Analysis Batch: 27638

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate	0.100	0.102		mg/L		102	50 - 150
Nitrite	0.100	0.103		mg/L		103	50 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-856963/1-A
Matrix: Water
Analysis Batch: 857654

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 856963

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		5.0	1.3	ng/L		06/12/25 04:30	06/14/25 14:04	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.50	ng/L		06/12/25 04:30	06/14/25 14:04	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.58	ng/L		06/12/25 04:30	06/14/25 14:04	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.50	ng/L		06/12/25 04:30	06/14/25 14:04	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.50	ng/L		06/12/25 04:30	06/14/25 14:04	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.50	ng/L		06/12/25 04:30	06/14/25 14:04	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.50	ng/L		06/12/25 04:30	06/14/25 14:04	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.50	ng/L		06/12/25 04:30	06/14/25 14:04	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.55	ng/L		06/12/25 04:30	06/14/25 14:04	1
Perfluorotridecanoic acid (PFTrDA)	ND		2.0	0.50	ng/L		06/12/25 04:30	06/14/25 14:04	1
Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.73	ng/L		06/12/25 04:30	06/14/25 14:04	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.50	ng/L		06/12/25 04:30	06/14/25 14:04	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.50	ng/L		06/12/25 04:30	06/14/25 14:04	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.57	ng/L		06/12/25 04:30	06/14/25 14:04	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.50	ng/L		06/12/25 04:30	06/14/25 14:04	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.50	ng/L		06/12/25 04:30	06/14/25 14:04	1
Perfluorononanesulfonic acid (PFNS)	ND		2.0	0.50	ng/L		06/12/25 04:30	06/14/25 14:04	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.50	ng/L		06/12/25 04:30	06/14/25 14:04	1
Perfluorooctanesulfonamide (FOSA)	ND		2.0	0.98	ng/L		06/12/25 04:30	06/14/25 14:04	1
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		5.0	1.3	ng/L		06/12/25 04:30	06/14/25 14:04	1
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		5.0	1.3	ng/L		06/12/25 04:30	06/14/25 14:04	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	0.50	ng/L		06/12/25 04:30	06/14/25 14:04	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		5.0	1.3	ng/L		06/12/25 04:30	06/14/25 14:04	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	0.50	ng/L		06/12/25 04:30	06/14/25 14:04	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*116*		*25 - 150*	*06/12/25 04:30*	*06/14/25 14:04*	*1*
13C5 PFPeA	*93*		*25 - 150*	*06/12/25 04:30*	*06/14/25 14:04*	*1*
13C2 PFHxA	*103*		*25 - 150*	*06/12/25 04:30*	*06/14/25 14:04*	*1*
13C4 PFHpA	*113*		*25 - 150*	*06/12/25 04:30*	*06/14/25 14:04*	*1*
13C4 PFOA	*101*		*25 - 150*	*06/12/25 04:30*	*06/14/25 14:04*	*1*
13C5 PFNA	*97*		*25 - 150*	*06/12/25 04:30*	*06/14/25 14:04*	*1*
13C2 PFDA	*95*		*25 - 150*	*06/12/25 04:30*	*06/14/25 14:04*	*1*
13C2 PFUnA	*101*		*25 - 150*	*06/12/25 04:30*	*06/14/25 14:04*	*1*
13C2 PFDoA	*93*		*25 - 150*	*06/12/25 04:30*	*06/14/25 14:04*	*1*
13C2 PFTeDA	*107*		*25 - 150*	*06/12/25 04:30*	*06/14/25 14:04*	*1*
13C3 PFBS	*105*		*25 - 150*	*06/12/25 04:30*	*06/14/25 14:04*	*1*
18O2 PFHxS	*111*		*25 - 150*	*06/12/25 04:30*	*06/14/25 14:04*	*1*
13C4 PFOS	*103*		*25 - 150*	*06/12/25 04:30*	*06/14/25 14:04*	*1*
13C8 FOSA	*103*		*25 - 150*	*06/12/25 04:30*	*06/14/25 14:04*	*1*
d3-NMeFOSAA	*107*		*25 - 150*	*06/12/25 04:30*	*06/14/25 14:04*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-856963/1-A
Matrix: Water
Analysis Batch: 857654

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 856963

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	119		25 - 150	06/12/25 04:30	06/14/25 14:04	1
13C2 6:2 FTS	108		25 - 150	06/12/25 04:30	06/14/25 14:04	1
13C2 8:2 FTS	100		25 - 150	06/12/25 04:30	06/14/25 14:04	1
13C2 4:2 FTS	99		25 - 150	06/12/25 04:30	06/14/25 14:04	1

Lab Sample ID: LCS 320-856963/2-A
Matrix: Water
Analysis Batch: 857654

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 856963

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	40.0	40.0		ng/L		100	76 - 136
Perfluoropentanoic acid (PFPeA)	40.0	42.8		ng/L		107	71 - 131
Perfluorohexanoic acid (PFHxA)	40.0	41.1		ng/L		103	73 - 133
Perfluoroheptanoic acid (PFHpA)	40.0	38.8		ng/L		97	72 - 132
Perfluorooctanoic acid (PFOA)	40.0	40.2		ng/L		101	70 - 130
Perfluorononanoic acid (PFNA)	40.0	40.6		ng/L		101	68 - 135
Perfluorodecanoic acid (PFDA)	40.0	42.4		ng/L		106	76 - 136
Perfluoroundecanoic acid (PFUnA)	40.0	41.6		ng/L		104	75 - 135
Perfluorododecanoic acid (PFDoA)	40.0	39.1		ng/L		98	76 - 136
Perfluorotridecanoic acid (PFTrDA)	40.0	45.3		ng/L		113	70 - 130
Perfluorotetradecanoic acid (PFTeA)	40.0	39.3		ng/L		98	70 - 130
Perfluorobutanesulfonic acid (PFBS)	35.5	37.3		ng/L		105	76 - 136
Perfluoropentanesulfonic acid (PFPeS)	37.6	39.0		ng/L		104	75 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.5	34.9		ng/L		96	68 - 128
Perfluoroheptanesulfonic acid (PFHpS)	38.2	38.9		ng/L		102	76 - 136
Perfluorooctanesulfonic acid (PFOS)	37.2	36.5		ng/L		98	70 - 130
Perfluorononanesulfonic acid (PFNS)	38.5	35.2		ng/L		91	75 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	31.8		ng/L		83	71 - 131
Perfluorooctanesulfonamide (FOSA)	40.0	41.0		ng/L		102	73 - 133
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	42.4		ng/L		106	71 - 131
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	39.0		ng/L		98	71 - 129
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	37.5	36.6		ng/L		98	71 - 131
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	38.1	36.5		ng/L		96	71 - 131
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	38.4	37.2		ng/L		97	75 - 135

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	115		25 - 150
13C5 PFPeA	90		25 - 150
13C2 PFHxA	102		25 - 150
13C4 PFHpA	109		25 - 150
13C4 PFOA	101		25 - 150
13C5 PFNA	97		25 - 150
13C2 PFDA	95		25 - 150
13C2 PFUnA	98		25 - 150
13C2 PFDoA	87		25 - 150
13C2 PFTeDA	99		25 - 150
13C3 PFBS	107		25 - 150
18O2 PFHxS	111		25 - 150
13C4 PFOS	108		25 - 150
13C8 FOSA	100		25 - 150
d3-NMeFOSAA	107		25 - 150
d5-NEtFOSAA	105		25 - 150
13C2 6:2 FTS	104		25 - 150
13C2 8:2 FTS	96		25 - 150
13C2 4:2 FTS	102		25 - 150

Lab Sample ID: LCSD 320-856963/3-A
Matrix: Water
Analysis Batch: 857654

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 856963

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)			40.0	40.5		ng/L		101	76 - 136	1	30
Perfluoropentanoic acid (PFPeA)			40.0	40.3		ng/L		101	71 - 131	6	30
Perfluorohexanoic acid (PFHxA)			40.0	39.5		ng/L		99	73 - 133	4	30
Perfluoroheptanoic acid (PFHpA)			40.0	38.7		ng/L		97	72 - 132	0	30
Perfluorooctanoic acid (PFOA)			40.0	40.0		ng/L		100	70 - 130	1	30
Perfluorononanoic acid (PFNA)			40.0	37.5		ng/L		94	68 - 135	8	30
Perfluorodecanoic acid (PFDA)			40.0	45.2		ng/L		113	76 - 136	6	30
Perfluoroundecanoic acid (PFUnA)			40.0	40.8		ng/L		102	75 - 135	2	30
Perfluorododecanoic acid (PFDoA)			40.0	38.7		ng/L		97	76 - 136	1	30
Perfluorotridecanoic acid (PFTrDA)			40.0	43.8		ng/L		110	70 - 130	3	30
Perfluorotetradecanoic acid (PFTeA)			40.0	40.7		ng/L		102	70 - 130	4	30
Perfluorobutanesulfonic acid (PFBS)			35.5	35.6		ng/L		100	76 - 136	5	30
Perfluoropentanesulfonic acid (PFPeS)			37.6	39.1		ng/L		104	75 - 135	0	30
Perfluorohexanesulfonic acid (PFHxS)			36.5	35.7		ng/L		98	68 - 128	2	30
Perfluoroheptanesulfonic acid (PFHpS)			38.2	44.7		ng/L		117	76 - 136	14	30
Perfluorooctanesulfonic acid (PFOS)			37.2	38.7		ng/L		104	70 - 130	6	30
Perfluorononanesulfonic acid (PFNS)			38.5	40.2		ng/L		105	75 - 135	13	30
Perfluorodecanesulfonic acid (PFDS)			38.6	35.1		ng/L		91	71 - 131	10	30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCSD 320-856963/3-A
Matrix: Water
Analysis Batch: 857654

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 856963

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorooctanesulfonamide (FOSA)			40.0	42.0		ng/L		105	73 - 133	3	30
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)			40.0	49.4		ng/L		123	71 - 131	15	30
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)			40.0	35.9		ng/L		90	71 - 129	9	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)			37.5	36.1		ng/L		96	71 - 131	2	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)			38.1	36.2		ng/L		95	71 - 131	1	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)			38.4	39.0		ng/L		102	75 - 135	5	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C4 PFBA	*115*		*25 - 150*
13C5 PFPeA	*93*		*25 - 150*
13C2 PFHxA	*99*		*25 - 150*
13C4 PFHpA	*106*		*25 - 150*
13C4 PFOA	*99*		*25 - 150*
13C5 PFNA	*99*		*25 - 150*
13C2 PFDA	*94*		*25 - 150*
13C2 PFUnA	*99*		*25 - 150*
13C2 PFDoA	*90*		*25 - 150*
13C2 PFTeDA	*100*		*25 - 150*
13C3 PFBS	*110*		*25 - 150*
18O2 PFHxS	*107*		*25 - 150*
13C4 PFOS	*100*		*25 - 150*
13C8 FOSA	*101*		*25 - 150*
d3-NMeFOSAA	*102*		*25 - 150*
d5-NEtFOSAA	*111*		*25 - 150*
13C2 6:2 FTS	*105*		*25 - 150*
13C2 8:2 FTS	*100*		*25 - 150*
13C2 4:2 FTS	*106*		*25 - 150*

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Lab Sample ID: MB 320-858301/1-A
Matrix: Water
Analysis Batch: 859381

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 858301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	ND		20	2.8	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-2	ND		200	4.4	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-3	ND		60	7.1	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-4	ND		40	5.2	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-5	ND		200	11	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-6	ND		200	4.1	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-7	ND		200	5.5	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-8	ND		200	7.6	pg/L		06/18/25 09:51	06/24/25 00:22	1

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-858301/1-A
Matrix: Water
Analysis Batch: 859381

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 858301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-9	ND		200	3.0	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-10	ND		200	4.9	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-11	22.6	J q	200	16	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-12	ND		400	8.6	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-13	ND		400	8.6	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-14	ND		200	3.5	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-15	ND		40	3.7	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-16	ND		200	6.8	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-17	ND		200	3.6	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-18	ND		400	4.2	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-19	ND		20	9.4	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-20	ND		400	21	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-21	ND		400	15	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-22	ND		200	3.4	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-23	ND		200	8.0	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-24	ND		200	2.9	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-25	ND		200	4.2	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-26	ND		400	9.4	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-27	ND		200	9.7	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-28	ND		400	21	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-29	ND		400	9.4	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-30	ND		400	4.2	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-31	ND		200	5.8	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-32	ND		200	3.7	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-33	ND		400	15	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-34	ND		200	6.0	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-35	ND		200	3.5	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-36	ND		200	5.7	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-37	ND		20	5.6	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-38	ND		200	13	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-39	ND		200	10	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-40	ND		400	12	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-41	ND		200	8.4	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-42	ND		200	8.2	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-43	ND		200	11	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-44	ND		600	16	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-45	ND		400	7.7	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-46	ND		200	3.5	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-47	ND		600	16	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-48	ND		200	4.7	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-49	ND		400	5.5	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-50	ND		400	11	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-51	ND		400	7.7	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-52	ND		200	4.3	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-53	ND		400	11	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-54	ND		20	8.3	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-55	ND		200	7.6	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-56	ND		200	6.6	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-57	ND		200	4.6	pg/L		06/18/25 09:51	06/24/25 00:22	1

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-858301/1-A
Matrix: Water
Analysis Batch: 859381

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 858301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-58	ND		200	6.9	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-59	ND		600	12	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-60	ND		200	4.0	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-61	ND		800	20	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-62	ND		600	12	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-63	ND		200	10	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-64	ND		200	3.8	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-65	ND		600	16	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-66	ND		200	10	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-67	ND		200	13	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-68	ND		200	9.2	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-69	ND		400	5.5	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-70	ND		800	20	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-71	ND		400	12	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-72	ND		200	7.0	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-73	ND		200	5.3	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-74	ND		800	20	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-75	ND		600	12	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-76	ND		800	20	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-77	ND		20	6.5	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-78	ND		200	4.7	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-79	ND		200	8.1	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-80	ND		200	8.1	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-81	ND		20	5.1	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-82	ND		200	6.2	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-83	ND		400	9.4	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-84	ND		200	9.8	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-85	ND		600	16	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-86	ND		1200	29	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-87	ND		1200	29	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-88	ND		400	8.9	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-89	ND		200	8.3	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-90	ND		600	17	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-91	ND		400	8.9	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-92	ND		200	2.6	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-93	ND		400	10	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-94	ND		200	10	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-95	ND		200	11	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-96	ND		200	15	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-97	ND		1200	29	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-98	ND		400	14	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-99	ND		400	9.4	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-100	ND		400	10	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-101	ND		600	17	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-102	ND		400	14	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-103	ND		200	8.7	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-104	ND		20	4.5	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-105	ND		20	9.2	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-106	ND		200	8.3	pg/L		06/18/25 09:51	06/24/25 00:22	1

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-858301/1-A
Matrix: Water
Analysis Batch: 859381

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 858301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-107	ND		200	4.2	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-108	ND		400	10	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-109	ND		1200	33	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-110	ND		400	14	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-111	ND		200	2.8	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-112	ND		200	6.3	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-113	ND		600	17	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-114	ND		20	3.4	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-115	ND		400	14	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-116	ND		600	16	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-117	ND		600	16	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-118	ND		20	8.9	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-119	ND		1200	29	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-120	ND		200	5.6	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-121	ND		200	11	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-122	ND		200	2.1	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-123	ND		20	9.8	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-124	ND		400	10	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-125	ND		1200	29	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-126	ND		20	5.1	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-127	ND		200	2.3	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-128	ND		400	9.9	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-129	ND		800	16	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-130	ND		200	11	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-131	ND		200	5.5	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-132	ND		200	4.9	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-133	ND		200	10	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-134	ND		400	15	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-135	9.87	J q	400	9.8	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-136	ND		200	6.1	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-137	ND		200	5.9	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-138	ND		800	16	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-139	ND		400	9.3	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-140	ND		400	9.3	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-141	ND		200	7.3	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-142	ND		200	12	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-143	ND		400	15	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-144	ND		200	6.2	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-145	ND		200	4.2	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-146	ND		200	7.2	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-147	ND		400	9.3	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-148	ND		200	6.6	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-149	ND		400	9.3	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-150	ND		200	11	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-151	9.87	J q	400	9.8	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-152	ND		200	5.5	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-153	ND		400	9.3	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-154	ND		200	5.8	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-155	ND		20	5.8	pg/L		06/18/25 09:51	06/24/25 00:22	1

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-858301/1-A
Matrix: Water
Analysis Batch: 859381

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 858301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-156	ND		40	8.2	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-157	ND		40	8.2	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-158	ND		200	6.4	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-159	ND		200	6.3	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-160	ND		800	16	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-161	ND		200	5.0	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-162	ND		200	9.0	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-163	ND		800	16	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-164	ND		200	9.9	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-165	ND		200	5.0	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-166	ND		400	9.9	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-167	ND		20	7.7	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-168	ND		400	9.3	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-169	9.19	J q	20	3.3	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-170	ND		200	5.5	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-171	ND		400	9.2	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-172	ND		200	5.3	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-173	ND		400	9.2	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-174	ND		200	17	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-175	ND		200	3.9	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-176	ND		200	4.6	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-177	ND		200	3.2	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-178	ND		200	4.2	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-179	ND		200	6.3	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-180	ND		400	7.9	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-181	ND		200	4.5	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-182	ND		200	14	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-183	ND		200	6.3	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-184	ND		200	14	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-185	ND		200	12	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-186	ND		200	15	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-187	ND		200	6.9	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-188	ND		20	10	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-189	ND		20	16	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-190	ND		200	2.6	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-191	ND		200	3.0	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-192	ND		200	4.4	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-193	ND		400	7.9	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-194	ND		200	8.8	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-195	ND		200	18	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-196	ND		200	3.1	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-197	ND		200	14	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-198	ND		400	7.8	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-199	ND		400	7.8	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-200	ND		200	5.9	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-201	ND		200	13	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-202	ND		20	3.8	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-203	ND		200	4.9	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-204	ND		200	13	pg/L		06/18/25 09:51	06/24/25 00:22	1

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-858301/1-A
Matrix: Water
Analysis Batch: 859381

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 858301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-205	ND		20	4.1	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-206	ND		20	8.3	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-207	ND		200	5.4	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-208	ND		20	3.8	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-209	ND		20	11	pg/L		06/18/25 09:51	06/24/25 00:22	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*69*		*15 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-3L	*65*		*15 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-4L	*68*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-15L	*62*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-19L	*66*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-37L	*64*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-54L	*66*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-77L	*58*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-81L	*64*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-104L	*67*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-105L	*73*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-114L	*70*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-118L	*72*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-123L	*70*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-126L	*73*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-155L	*61*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-156L	*70*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-156L/157L	*70*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-157L	*70*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-167L	*68*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-169L	*69*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-188L	*59*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-189L	*71*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-202L	*68*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-205L	*80*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-206L	*81*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-208L	*68*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-209L	*76*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*71*		*30 - 135*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-111L	*76*		*30 - 135*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-178L	*83*		*30 - 135*	*06/18/25 09:51*	*06/24/25 00:22*	*1*

Lab Sample ID: LCS 320-858301/2-A
Matrix: Water
Analysis Batch: 859381

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 858301

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1	2000	1980		pg/L		99	50 - 150
PCB-3	2000	1970		pg/L		98	50 - 150

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-858301/2-A
Matrix: Water
Analysis Batch: 859381

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 858301

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-4			2000	2170		pg/L		108	50 - 150		
PCB-15			2000	1880		pg/L		94	50 - 150		
PCB-19			2000	2130		pg/L		107	50 - 150		
PCB-37			2000	2060		pg/L		103	50 - 150		
PCB-54			2000	2300		pg/L		115	50 - 150		
PCB-77			2000	2210		pg/L		110	50 - 150		
PCB-81			2000	2160		pg/L		108	50 - 150		
PCB-104			2000	2340		pg/L		117	50 - 150		
PCB-105			2000	2000		pg/L		100	50 - 150		
PCB-114			2000	2140		pg/L		107	50 - 150		
PCB-118			2000	2010		pg/L		100	50 - 150		
PCB-123			2000	2360		pg/L		118	50 - 150		
PCB-126			2000	2140		pg/L		107	50 - 150		
PCB-155			2000	2670		pg/L		134	50 - 150		
PCB-156			4000	4050		pg/L		101	50 - 150		
PCB-157			4000	4050		pg/L		101	50 - 150		
PCB-167			2000	2040		pg/L		102	50 - 150		
PCB-169			2000	2030		pg/L		101	50 - 150		
PCB-188			2000	2110		pg/L		106	50 - 150		
PCB-189			2000	2180		pg/L		109	50 - 150		
PCB-202			2000	2150		pg/L		107	50 - 150		
PCB-205			2000	2040		pg/L		102	50 - 150		
PCB-206			2000	1710		pg/L		85	50 - 150		
PCB-208			2000	2070		pg/L		104	50 - 150		
PCB-209			2000	1930		pg/L		97	50 - 150		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
PCB-1L	*76*		*15 - 140*
PCB-3L	*71*		*15 - 140*
PCB-4L	*72*		*30 - 140*
PCB-15L	*68*		*30 - 140*
PCB-19L	*69*		*30 - 140*
PCB-37L	*77*		*30 - 140*
PCB-54L	*70*		*30 - 140*
PCB-77L	*67*		*30 - 140*
PCB-81L	*74*		*30 - 140*
PCB-104L	*74*		*30 - 140*
PCB-105L	*78*		*30 - 140*
PCB-114L	*78*		*30 - 140*
PCB-118L	*76*		*30 - 140*
PCB-123L	*74*		*30 - 140*
PCB-126L	*81*		*30 - 140*
PCB-155L	*64*		*30 - 140*
PCB-156L	*73*		*30 - 140*
PCB-156L/157L	*73*		*30 - 140*
PCB-157L	*73*		*30 - 140*
PCB-167L	*73*		*30 - 140*
PCB-169L	*76*		*30 - 140*
PCB-188L	*61*		*30 - 140*

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-858301/2-A
Matrix: Water
Analysis Batch: 859381

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 858301

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
PCB-189L	77		30 - 140
PCB-202L	72		30 - 140
PCB-205L	89		30 - 140
PCB-206L	92		30 - 140
PCB-208L	80		30 - 140
PCB-209L	84		30 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
PCB-28L	83		40 - 125
PCB-111L	80		40 - 125
PCB-178L	86		40 - 125

Lab Sample ID: LCSD 320-858301/3-A
Matrix: Water
Analysis Batch: 859381

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 858301

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1			2000	2010		pg/L		100	50 - 150	2	50
PCB-3			2000	2020		pg/L		101	50 - 150	2	50
PCB-4			2000	2250		pg/L		113	50 - 150	4	50
PCB-15			2000	1980		pg/L		99	50 - 150	5	50
PCB-19			2000	2140		pg/L		107	50 - 150	0	50
PCB-37			2000	2200		pg/L		110	50 - 150	6	50
PCB-54			2000	2350		pg/L		118	50 - 150	2	50
PCB-77			2000	2190		pg/L		109	50 - 150	1	50
PCB-81			2000	2190		pg/L		109	50 - 150	2	50
PCB-104			2000	2510		pg/L		126	50 - 150	7	50
PCB-105			2000	2070		pg/L		103	50 - 150	3	50
PCB-114			2000	2200		pg/L		110	50 - 150	3	50
PCB-118			2000	2040		pg/L		102	50 - 150	2	50
PCB-123			2000	2350		pg/L		118	50 - 150	0	50
PCB-126			2000	2160		pg/L		108	50 - 150	1	50
PCB-155			2000	2840		pg/L		142	50 - 150	6	50
PCB-156			4000	4010		pg/L		100	50 - 150	1	50
PCB-157			4000	4010		pg/L		100	50 - 150	1	50
PCB-167			2000	2140		pg/L		107	50 - 150	5	50
PCB-169			2000	2060		pg/L		103	50 - 150	1	50
PCB-188			2000	2170		pg/L		108	50 - 150	3	50
PCB-189			2000	2230		pg/L		112	50 - 150	3	50
PCB-202			2000	2230		pg/L		112	50 - 150	4	50
PCB-205			2000	2030		pg/L		102	50 - 150	0	50
PCB-206			2000	1770		pg/L		89	50 - 150	4	50
PCB-208			2000	2060		pg/L		103	50 - 150	1	50
PCB-209			2000	1940		pg/L		97	50 - 150	1	50

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
PCB-1L	71		15 - 140
PCB-3L	67		15 - 140

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCSD 320-858301/3-A
Matrix: Water
Analysis Batch: 859381

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 858301

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
PCB-4L	*67*		*30 - 140*
PCB-15L	*60*		*30 - 140*
PCB-19L	*65*		*30 - 140*
PCB-37L	*66*		*30 - 140*
PCB-54L	*63*		*30 - 140*
PCB-77L	*63*		*30 - 140*
PCB-81L	*68*		*30 - 140*
PCB-104L	*63*		*30 - 140*
PCB-105L	*70*		*30 - 140*
PCB-114L	*71*		*30 - 140*
PCB-118L	*70*		*30 - 140*
PCB-123L	*68*		*30 - 140*
PCB-126L	*76*		*30 - 140*
PCB-155L	*52*		*30 - 140*
PCB-156L	*69*		*30 - 140*
PCB-156L/157L	*69*		*30 - 140*
PCB-157L	*69*		*30 - 140*
PCB-167L	*65*		*30 - 140*
PCB-169L	*72*		*30 - 140*
PCB-188L	*53*		*30 - 140*
PCB-189L	*72*		*30 - 140*
PCB-202L	*60*		*30 - 140*
PCB-205L	*86*		*30 - 140*
PCB-206L	*87*		*30 - 140*
PCB-208L	*73*		*30 - 140*
PCB-209L	*81*		*30 - 140*

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
PCB-28L	*75*		*40 - 125*
PCB-111L	*74*		*40 - 125*
PCB-178L	*82*		*40 - 125*

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MRL 885-28033/13
Matrix: Water
Analysis Batch: 28033

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Calcium			0.500	0.519	J	mg/L		104	50 - 150		
Magnesium			0.500	0.510	J	mg/L		102	50 - 150		

Lab Sample ID: MB 885-27774/1-A
Matrix: Water
Analysis Batch: 28033

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 27774

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		1.0	0.42	mg/L		06/06/25 11:42	06/10/25 12:02	1
Magnesium	ND		1.0	0.064	mg/L		06/06/25 11:42	06/10/25 12:02	1

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: LCS 885-27774/6-A
Matrix: Water
Analysis Batch: 28033

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 27774

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50.0	49.4		mg/L		99	85 - 115
Magnesium	50.0	49.3		mg/L		99	85 - 115

Lab Sample ID: LLCS 885-27774/5-A
Matrix: Water
Analysis Batch: 28033

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 27774

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	0.500	0.513	J	mg/L		103	50 - 150
Magnesium	0.500	0.510	J	mg/L		102	50 - 150

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 885-27955/14
Matrix: Water
Analysis Batch: 27955

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.00050	0.00034	mg/L			06/09/25 12:20	1
Copper	ND		0.00050	0.00030	mg/L			06/09/25 12:20	1

Lab Sample ID: LCS 885-27955/15
Matrix: Water
Analysis Batch: 27955

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.0125	0.0130		mg/L		104	85 - 115
Copper	0.0250	0.0253		mg/L		101	85 - 115

Lab Sample ID: MRL 885-27955/12
Matrix: Water
Analysis Batch: 27955

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.000500	0.000490	J	mg/L		98	50 - 150

Lab Sample ID: MRL 885-27955/13
Matrix: Water
Analysis Batch: 27955

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Copper	0.000500	0.000524		mg/L		105	50 - 150

Lab Sample ID: MB 885-28899/15
Matrix: Water
Analysis Batch: 28899

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.00050	0.00034	mg/L			06/23/25 12:38	1
Copper	ND		0.00050	0.00030	mg/L			06/23/25 12:38	1

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 885-28899/16
Matrix: Water
Analysis Batch: 28899

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.0125	0.0117		mg/L		94	85 - 115
Copper	0.0250	0.0233		mg/L		93	85 - 115

Lab Sample ID: MRL 885-28899/13
Matrix: Water
Analysis Batch: 28899

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.000500	0.000481	J	mg/L		96	50 - 150

Lab Sample ID: MRL 885-28899/14
Matrix: Water
Analysis Batch: 28899

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Copper	0.000500	0.000345	J	mg/L		69	50 - 150

Lab Sample ID: MRL 885-28945/19
Matrix: Water
Analysis Batch: 28945

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.000500	0.000484	J	mg/L		97	50 - 150
Copper	0.00100	0.000980		mg/L		98	50 - 150

Lab Sample ID: MRL 885-28945/20
Matrix: Water
Analysis Batch: 28945

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.000250	0.000258	J	mg/L		103	50 - 150
Copper	0.000500	0.000546		mg/L		109	50 - 150

Lab Sample ID: MB 160-725349/1-A
Matrix: Water
Analysis Batch: 725729

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 725349

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	ND		1.0	0.15	ug/L		07/01/25 14:54	07/02/25 17:31	2

Lab Sample ID: LCS 160-725349/2-A
Matrix: Water
Analysis Batch: 725729

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 725349

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	1000	970		ug/L		97	85 - 115

Method: 1664B - HEM and SGT-HEM

Lab Sample ID: MB 885-27647/1
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 27647

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	ND		9.0	9.0	mg/L			06/05/25 09:03	1

Lab Sample ID: LCS 885-27647/2
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 27647

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
HEM (Oil & Grease)	40.0	35.2		mg/L		88	78 - 114

Lab Sample ID: LCSD 885-27647/3
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 27647

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
HEM (Oil & Grease)	40.0	39.8		mg/L		100	78 - 114	12	20

Lab Sample ID: MRL 885-27647/16
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 27647

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
HEM (Oil & Grease)	8.00	8.80		mg/L		110	50 - 150

Lab Sample ID: MRL 885-27647/17
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 27647

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
HEM (Oil & Grease)	8.00	8.40		mg/L		105	50 - 150

Lab Sample ID: MRL 885-27647/18
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 27647

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
HEM (Oil & Grease)	8.00	8.80		mg/L		110	50 - 150

Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-28104/1
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 28104

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		50	25	mg/L			06/11/25 16:35	1

Method: 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCS 885-28104/2
Matrix: Water
Analysis Batch: 28104

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	1010		mg/L		101	80 - 120

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-28605/3-A
Matrix: Water
Analysis Batch: 28733

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 28605

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Total Kjeldahl	ND		0.50	0.50	mg/L		06/18/25 15:52	06/20/25 08:51	1

Lab Sample ID: LCS 885-28605/5-A
Matrix: Water
Analysis Batch: 28733

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 28605

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Total Kjeldahl	10.0	10.1		mg/L		101	90 - 110

Lab Sample ID: MRL 885-28605/4-A
Matrix: Water
Analysis Batch: 28733

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 28605

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Total Kjeldahl	0.500	0.511		mg/L		102	50 - 150

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 885-27970/3-A
Matrix: Water
Analysis Batch: 28082

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 27970

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphorus as P	ND		0.050	0.050	mg/L		06/10/25 12:28	06/11/25 12:02	1

Lab Sample ID: LCS 885-27970/5-A
Matrix: Water
Analysis Batch: 28082

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 27970

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	0.250	0.250		mg/L		100	90 - 110

Lab Sample ID: MRL 885-27970/4-A
Matrix: Water
Analysis Batch: 28082

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 27970

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	0.0500	ND		mg/L		89	50 - 150

Method: 365.1 - Phosphorus, Total (Continued)

Lab Sample ID: MB 885-28279/3-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 28336 — **Prep Batch: 28279**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphorus as P	ND		0.050	0.050	mg/L		06/13/25 12:55	06/14/25 08:17	1

Lab Sample ID: LCS 885-28279/5-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 28336 — **Prep Batch: 28279**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	0.250	0.242		mg/L		97	90 - 110

Lab Sample ID: MRL 885-28279/4-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 28336 — **Prep Batch: 28279**

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	0.0500	ND		mg/L		93	50 - 150

Lab Sample ID: 885-26070-1 MS — **Client Sample ID: RG-North20250604**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 28336 — **Prep Batch: 28279**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	0.061		0.250	0.314		mg/L		101	90 - 110

Lab Sample ID: 885-26070-1 MSD — **Client Sample ID: RG-North20250604**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 28336 — **Prep Batch: 28279**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Phosphorus as P	0.061		0.250	0.315		mg/L		102	90 - 110	0	20

Method: 5210 B-2016 - BOD, 5-Day

Lab Sample ID: MB 192-35124/8-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 35333

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		2.0	1.0	mg/L			06/05/25 10:45	1

Lab Sample ID: MB 192-35333/10 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 35333

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		2.0	1.0	mg/L			06/05/25 10:49	1

Method: 5210 B-2016 - BOD, 5-Day (Continued)

Lab Sample ID: MB 192-35333/4
Matrix: Water
Analysis Batch: 35333

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		2.0	1.0	mg/L			06/05/25 10:33	1

Lab Sample ID: USB 192-35333/1
Matrix: Water
Analysis Batch: 35333

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

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	<0.2		0.0000013	0.00000067	mg/L			06/05/25 10:19	1

Lab Sample ID: LCS 192-35124/9-A
Matrix: Water
Analysis Batch: 35333

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biochemical Oxygen Demand	200	185		mg/L		92	85 - 115

Lab Sample ID: LCS 192-35333/11
Matrix: Water
Analysis Batch: 35333

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biochemical Oxygen Demand	200	180		mg/L		90	85 - 115

Lab Sample ID: LCS 192-35333/5
Matrix: Water
Analysis Batch: 35333

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biochemical Oxygen Demand	200	192		mg/L		96	85 - 115

Method: 5220D - COD

Lab Sample ID: MB 885-28844/4
Matrix: Water
Analysis Batch: 28844

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		50	50	mg/L			06/19/25 13:17	1

Lab Sample ID: LCS 885-28844/5
Matrix: Water
Analysis Batch: 28844

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	500	512		mg/L		102	90 - 110

Method: 5220D - COD (Continued)

Lab Sample ID: MRL 885-28844/6
Matrix: Water
Analysis Batch: 28844

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	50.0	53.8		mg/L		108	50 - 150

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 885-27898/1
Matrix: Water
Analysis Batch: 27898

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			06/09/25 15:59	1

Lab Sample ID: LCSSRM 885-27898/2
Matrix: Water
Analysis Batch: 27898

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

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	96.8		mg/L		96.8	78.4 - 110.0

Method: SM 4500 NH3 C - Ammonia

Lab Sample ID: MB 885-28353/1-A
Matrix: Water
Analysis Batch: 28394

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 28353

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.67	0.28	mg/L		06/16/25 07:33	06/16/25 07:33	1

Lab Sample ID: LCS 885-28353/2-A
Matrix: Water
Analysis Batch: 28394

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 28353

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	10.0	9.80		mg/L		98	80 - 120

Method: 900.0 - Gross Alpha and Gross Beta Radioactivity

Lab Sample ID: MB 160-721335/1-A
Matrix: Water
Analysis Batch: 721791

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 721335

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	0.3705	U	0.520	0.522	3.00	0.879	pCi/L	06/09/25 08:04	06/11/25 07:38	1
Gross Beta	0.4697	U	0.516	0.518	4.00	0.834	pCi/L	06/09/25 08:04	06/11/25 07:38	1

Method: 900.0 - Gross Alpha and Gross Beta Radioactivity (Continued)

Lab Sample ID: LCS 160-721335/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 721792
Prep Batch: 721335

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Gross Alpha	49.5	58.24		8.37	3.00	1.41	pCi/L	118	75 - 125

Lab Sample ID: LCSB 160-721335/3-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 721791
Prep Batch: 721335

Analyte	Spike Added	LCSB Result	LCSB Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Gross Beta	69.7	69.86		7.52	4.00	0.913	pCi/L	100	75 - 125

Lab Sample ID: 885-26070-1 MS
Client Sample ID: RG-North20250604
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 721792
Prep Batch: 721335

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Gross Alpha	2.67		59.2	55.46		8.49	3.00	1.93	pCi/L	89	60 - 140

Lab Sample ID: 885-26070-1 MSBT
Client Sample ID: RG-North20250604
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 721799
Prep Batch: 721335

Analyte	Sample Result	Sample Qual	Spike Added	MSBT Result	MSBT Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Gross Beta	4.00		83.5	84.11		9.04	4.00	0.962	pCi/L	96	60 - 140

Lab Sample ID: 885-26070-1 DU
Client Sample ID: RG-North20250604
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 721799
Prep Batch: 721335

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Gross Alpha	2.67		4.006		1.97	3.00	2.41	pCi/L	0.37	1
Gross Beta	4.00		4.657		1.15	4.00	1.18	pCi/L	0.30	1

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

Lab Sample ID: MB 885-27624/1
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 27624

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	ND		1.0	1.0	MPN/100mL			06/04/25 17:15	1

GC/MS VOA

Analysis Batch: 240649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26070-1	RG-North20250604	Total/NA	Water	624.1	
MB 860-240649/10	Method Blank	Total/NA	Water	624.1	
LCS 860-240649/3	Lab Control Sample	Total/NA	Water	624.1	
LCSD 860-240649/4	Lab Control Sample Dup	Total/NA	Water	624.1	

GC/MS Semi VOA

Prep Batch: 241035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26070-1	RG-North20250604	Total/NA	Water	3511	
MB 860-241035/1-A	Method Blank	Total/NA	Water	3511	
LCS 860-241035/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 860-241035/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 241542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-241035/1-A	Method Blank	Total/NA	Water	625.1	241035
LCS 860-241035/2-A	Lab Control Sample	Total/NA	Water	625.1	241035
LCSD 860-241035/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	241035

Analysis Batch: 242172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26070-1	RG-North20250604	Total/NA	Water	625.1	241035

GC Semi VOA

Analysis Batch: 241050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26070-1	RG-North20250604	Total/NA	Water	608.3	241078
MB 860-241078/1-A	Method Blank	Total/NA	Water	608.3	241078
LCS 860-241078/2-A	Lab Control Sample	Total/NA	Water	608.3	241078
LCSD 860-241078/3-A	Lab Control Sample Dup	Total/NA	Water	608.3	241078

Prep Batch: 241078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26070-1	RG-North20250604	Total/NA	Water	3511	
MB 860-241078/1-A	Method Blank	Total/NA	Water	3511	
LCS 860-241078/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 860-241078/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

HPLC/IC

Analysis Batch: 27638

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26070-1	RG-North20250604	Total/NA	Water	300.0	
MB 885-27638/4	Method Blank	Total/NA	Water	300.0	
LCS 885-27638/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-27638/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 581226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26070-1	RG-North20250604	Total/NA	Water	218.6	

HPLC/IC (Continued)

Analysis Batch: 581226 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-581226/4	Method Blank	Total/NA	Water	218.6	
LCS 570-581226/5	Lab Control Sample	Total/NA	Water	218.6	
LCSD 570-581226/6	Lab Control Sample Dup	Total/NA	Water	218.6	

LCMS

Prep Batch: 856963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26070-1	RG-North20250604	Total/NA	Water	3535	
MB 320-856963/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-856963/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-856963/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Analysis Batch: 857654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26070-1	RG-North20250604	Total/NA	Water	537 (modified)	856963
MB 320-856963/1-A	Method Blank	Total/NA	Water	537 (modified)	856963
LCS 320-856963/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	856963
LCSD 320-856963/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	856963

Specialty Organics

Prep Batch: 858301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26070-1	RG-North20250604	Total/NA	Water	HRMS-Sep	
MB 320-858301/1-A	Method Blank	Total/NA	Water	HRMS-Sep	
LCS 320-858301/2-A	Lab Control Sample	Total/NA	Water	HRMS-Sep	
LCSD 320-858301/3-A	Lab Control Sample Dup	Total/NA	Water	HRMS-Sep	

Analysis Batch: 859381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26070-1	RG-North20250604	Total/NA	Water	1668A	858301
MB 320-858301/1-A	Method Blank	Total/NA	Water	1668A	858301
LCS 320-858301/2-A	Lab Control Sample	Total/NA	Water	1668A	858301
LCSD 320-858301/3-A	Lab Control Sample Dup	Total/NA	Water	1668A	858301

Metals

Prep Batch: 27774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26070-1	RG-North20250604	Total Recoverable	Water	200.2	
MB 885-27774/1-A	Method Blank	Total Recoverable	Water	200.2	
LCS 885-27774/6-A	Lab Control Sample	Total Recoverable	Water	200.2	
LLCS 885-27774/5-A	Lab Control Sample	Total Recoverable	Water	200.2	

Analysis Batch: 27955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-27955/14	Method Blank	Total/NA	Water	200.8	
LCS 885-27955/15	Lab Control Sample	Total/NA	Water	200.8	
MRL 885-27955/12	Lab Control Sample	Total/NA	Water	200.8	
MRL 885-27955/13	Lab Control Sample	Total/NA	Water	200.8	

Metals

Analysis Batch: 28009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26070-1	RG-North20250604	Total Recoverable	Water	SM 2340B	

Analysis Batch: 28033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26070-1	RG-North20250604	Total Recoverable	Water	200.7 Rev 4.4	27774
MB 885-27774/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	27774
LCS 885-27774/6-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	27774
LLCS 885-27774/5-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	27774
MRL 885-28033/13	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	

Analysis Batch: 28899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26070-1	RG-North20250604	Dissolved	Water	200.8	
MB 885-28899/15	Method Blank	Total/NA	Water	200.8	
LCS 885-28899/16	Lab Control Sample	Total/NA	Water	200.8	
MRL 885-28899/13	Lab Control Sample	Total/NA	Water	200.8	
MRL 885-28899/14	Lab Control Sample	Total/NA	Water	200.8	

Analysis Batch: 28945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26070-1	RG-North20250604	Dissolved	Water	200.8	
MRL 885-28945/19	Lab Control Sample	Total/NA	Water	200.8	
MRL 885-28945/20	Lab Control Sample	Total/NA	Water	200.8	

Prep Batch: 725349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26070-1	RG-North20250604	Total/NA	Water	200.7/200.8	
MB 160-725349/1-A	Method Blank	Total/NA	Water	200.7/200.8	
LCS 160-725349/2-A	Lab Control Sample	Total/NA	Water	200.7/200.8	

Analysis Batch: 725729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26070-1	RG-North20250604	Total/NA	Water	200.8	725349
MB 160-725349/1-A	Method Blank	Total/NA	Water	200.8	725349
LCS 160-725349/2-A	Lab Control Sample	Total/NA	Water	200.8	725349

General Chemistry

Analysis Batch: 27647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26070-1	RG-North20250604	Total/NA	Water	1664B	
MB 885-27647/1	Method Blank	Total/NA	Water	1664B	
LCS 885-27647/2	Lab Control Sample	Total/NA	Water	1664B	
LCSD 885-27647/3	Lab Control Sample Dup	Total/NA	Water	1664B	
MRL 885-27647/16	Lab Control Sample	Total/NA	Water	1664B	
MRL 885-27647/17	Lab Control Sample	Total/NA	Water	1664B	
MRL 885-27647/18	Lab Control Sample	Total/NA	Water	1664B	

Analysis Batch: 27734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26070-1	RG-North20250604	Total/NA	Water	SM 4500 H+ B	

General Chemistry

Analysis Batch: 27898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26070-1	RG-North20250604	Total/NA	Water	SM 2540D	
MB 885-27898/1	Method Blank	Total/NA	Water	SM 2540D	
LCSSRM 885-27898/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Prep Batch: 27970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26070-3	RG-North20250604-Filtered	Dissolved	Water	365.2/365.3/365	
MB 885-27970/3-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 885-27970/5-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	
MRL 885-27970/4-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	

Analysis Batch: 28082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26070-3	RG-North20250604-Filtered	Dissolved	Water	365.1	27970
MB 885-27970/3-A	Method Blank	Total/NA	Water	365.1	27970
LCS 885-27970/5-A	Lab Control Sample	Total/NA	Water	365.1	27970
MRL 885-27970/4-A	Lab Control Sample	Total/NA	Water	365.1	27970

Analysis Batch: 28104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26070-1	RG-North20250604	Total/NA	Water	2540C	
MB 885-28104/1	Method Blank	Total/NA	Water	2540C	
LCS 885-28104/2	Lab Control Sample	Total/NA	Water	2540C	

Prep Batch: 28279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26070-1	RG-North20250604	Total/NA	Water	365.2/365.3/365	
MB 885-28279/3-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 885-28279/5-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	
MRL 885-28279/4-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	
885-26070-1 MS	RG-North20250604	Total/NA	Water	365.2/365.3/365	
885-26070-1 MSD	RG-North20250604	Total/NA	Water	365.2/365.3/365	

Analysis Batch: 28336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26070-1	RG-North20250604	Total/NA	Water	365.1	28279
MB 885-28279/3-A	Method Blank	Total/NA	Water	365.1	28279
LCS 885-28279/5-A	Lab Control Sample	Total/NA	Water	365.1	28279
MRL 885-28279/4-A	Lab Control Sample	Total/NA	Water	365.1	28279
885-26070-1 MS	RG-North20250604	Total/NA	Water	365.1	28279
885-26070-1 MSD	RG-North20250604	Total/NA	Water	365.1	28279

Prep Batch: 28353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26070-1	RG-North20250604	Total/NA	Water	SM 4500 NH3 B	
MB 885-28353/1-A	Method Blank	Total/NA	Water	SM 4500 NH3 B	
LCS 885-28353/2-A	Lab Control Sample	Total/NA	Water	SM 4500 NH3 B	

Analysis Batch: 28394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26070-1	RG-North20250604	Total/NA	Water	SM 4500 NH3 C	28353

General Chemistry (Continued)

Analysis Batch: 28394 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-28353/1-A	Method Blank	Total/NA	Water	SM 4500 NH3 C	28353
LCS 885-28353/2-A	Lab Control Sample	Total/NA	Water	SM 4500 NH3 C	28353

Prep Batch: 28605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26070-1	RG-North20250604	Total/NA	Water	351.2	
MB 885-28605/3-A	Method Blank	Total/NA	Water	351.2	
LCS 885-28605/5-A	Lab Control Sample	Total/NA	Water	351.2	
MRL 885-28605/4-A	Lab Control Sample	Total/NA	Water	351.2	

Analysis Batch: 28733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26070-1	RG-North20250604	Total/NA	Water	351.2	28605
MB 885-28605/3-A	Method Blank	Total/NA	Water	351.2	28605
LCS 885-28605/5-A	Lab Control Sample	Total/NA	Water	351.2	28605
MRL 885-28605/4-A	Lab Control Sample	Total/NA	Water	351.2	28605

Analysis Batch: 28844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26070-1	RG-North20250604	Total/NA	Water	5220D	
MB 885-28844/4	Method Blank	Total/NA	Water	5220D	
LCS 885-28844/5	Lab Control Sample	Total/NA	Water	5220D	
MRL 885-28844/6	Lab Control Sample	Total/NA	Water	5220D	

Cleanup Batch: 35124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 192-35124/8-A	Method Blank	Total/NA	Water	Filtration	
LCS 192-35124/9-A	Lab Control Sample	Total/NA	Water	Filtration	

Analysis Batch: 35333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26070-1	RG-North20250604	Total/NA	Water	5210 B-2016	
MB 192-35124/8-A	Method Blank	Total/NA	Water	5210 B-2016	35124
MB 192-35333/10	Method Blank	Total/NA	Water	5210 B-2016	
MB 192-35333/4	Method Blank	Total/NA	Water	5210 B-2016	
USB 192-35333/1	Method Blank	Total/NA	Water	5210 B-2016	
LCS 192-35124/9-A	Lab Control Sample	Total/NA	Water	5210 B-2016	35124
LCS 192-35333/11	Lab Control Sample	Total/NA	Water	5210 B-2016	
LCS 192-35333/5	Lab Control Sample	Total/NA	Water	5210 B-2016	

Rad

Prep Batch: 721335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26070-1	RG-North20250604	Total/NA	Water	Evaporation	
MB 160-721335/1-A	Method Blank	Total/NA	Water	Evaporation	
LCS 160-721335/2-A	Lab Control Sample	Total/NA	Water	Evaporation	
LCSB 160-721335/3-A	Lab Control Sample	Total/NA	Water	Evaporation	
885-26070-1 MS	RG-North20250604	Total/NA	Water	Evaporation	
885-26070-1 MSBT	RG-North20250604	Total/NA	Water	Evaporation	
885-26070-1 DU	RG-North20250604	Total/NA	Water	Evaporation	

QC Association Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26070-1
Project/Site: CMC

Biology

Analysis Batch: 27624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26070-1	RG-North20250604	Total/NA	Water	9223B	
885-26070-2	RG-Alameda20250604	Total/NA	Water	9223B	
MB 885-27624/1	Method Blank	Total/NA	Water	9223B	

Lab Chronicle

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26070-1
Project/Site: CMC

Client Sample ID: RG-North20250604
Lab Sample ID: 885-26070-1

Date Collected: 06/04/25 14:40
Matrix: Water
Date Received: 06/04/25 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		1	240649	NA	EET HOU	06/06/25 14:25
Total/NA	Prep	3511			241035	DR	EET HOU	06/10/25 05:00
Total/NA	Analysis	625.1		1	242172	SC	EET HOU	06/13/25 08:24
Total/NA	Prep	3511			241078	CT	EET HOU	06/09/25 09:59
Total/NA	Analysis	608.3		1	241050	KM	EET HOU	06/09/25 17:17
Total/NA	Analysis	218.6		1	581226	YO8L	EET CAL 4	06/09/25 05:38
Total/NA	Analysis	300.0		1	27638	RC	EET ALB	06/05/25 16:27
Total/NA	Prep	3535			856963	BMS	EET SAC	06/12/25 04:30
Total/NA	Analysis	537 (modified)		1	857654	KN	EET SAC	06/14/25 14:36
Total/NA	Prep	HRMS-Sep			858301	KSM	EET SAC	06/18/25 09:51
Total/NA	Analysis	1668A		1	859381	ERR	EET SAC	06/24/25 05:46
Total Recoverable	Prep	200.2			27774	JF	EET ALB	06/06/25 11:43
Total Recoverable	Analysis	200.7 Rev 4.4		1	28033	JR	EET ALB	06/10/25 14:44
Dissolved	Analysis	200.8		1	28899	BV	EET ALB	06/23/25 17:06
Dissolved	Analysis	200.8		1	28945	BV	EET ALB	06/24/25 13:10
Total/NA	Prep	200.7/200.8			725349	LKP	EET SL	07/01/25 14:54
Total/NA	Analysis	200.8		2	725729	LKP	EET SL	07/02/25 18:03
Total Recoverable	Analysis	SM 2340B		1	28009	JF	EET ALB	06/10/25 16:25
Total/NA	Analysis	1664B		1	27647	SS	EET ALB	06/05/25 16:00
Total/NA	Analysis	2540C		1	28104	KS	EET ALB	06/11/25 16:35
Total/NA	Prep	351.2			28605	EH	EET ALB	06/18/25 15:52
Total/NA	Analysis	351.2		1	28733	EH	EET ALB	06/20/25 09:03
Total/NA	Prep	365.2/365.3/365			28279	ES	EET ALB	06/13/25 12:55
Total/NA	Analysis	365.1		1	28336	ES	EET ALB	06/14/25 08:21
Total/NA	Analysis	5210 B-2016		1	35333	SEK	EET ARK	06/05/25 12:53
Total/NA	Analysis	5220D		1	28844	KH	EET ALB	06/19/25 13:17
Total/NA	Analysis	SM 2540D		1	27898	KS	EET ALB	06/09/25 15:59
Total/NA	Analysis	SM 4500 H+ B		1	27734	DL	EET ALB	06/05/25 16:58
Total/NA	Prep	SM 4500 NH3 B			28353	DL	EET ALB	06/16/25 07:33
Total/NA	Analysis	SM 4500 NH3 C		1	28394	DL	EET ALB	06/16/25 07:33
Total/NA	Prep	Evaporation			721335	MEH	EET SL	06/09/25 08:04
Total/NA	Analysis	900.0		1	721791	SWS	EET SL	06/11/25 07:39
Total/NA	Analysis	Gross Alpha Adj		1	726516	SCB	EET SL	07/02/25 18:03
Total/NA	Analysis	9223B		1	27624	DR	EET ALB	06/04/25 17:15

Client Sample ID: RG-Alameda20250604
Lab Sample ID: 885-26070-2

Date Collected: 06/04/25 15:40
Matrix: Water
Date Received: 06/04/25 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	27624	DR	EET ALB	06/04/25 17:15

Lab Chronicle

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26070-1
Project/Site: CMC

Client Sample ID: RG-North20250604-Filtered
Lab Sample ID: 885-26070-3

Date Collected: 06/04/25 14:40
Matrix: Water
Date Received: 06/04/25 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	365.2/365.3/365			27970	ES	EET ALB	06/10/25 12:28
Dissolved	Analysis	365.1		1	28082	ES	EET ALB	06/11/25 12:16

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

EET ARK = Eurofins Arkansas, 8600 Kanis Rd, Little Rock, AR 72204, TEL (501)224-5060

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

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

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26070-1
Project/Site: CMC

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
351.2	351.2	Water	Nitrogen, Total Kjeldahl
5220D		Water	Chemical Oxygen Demand
9223B		Water	Escherichia coli

Laboratory: Eurofins Arkansas

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

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	60-00889	03-02-26
Florida	NELAP	E871188	06-30-25
Iowa	State	436	10-02-25
Louisiana (All)	NELAP	01946	06-30-25
Oklahoma	State	8709	08-31-25
Oregon	NELAP	4192	07-11-25
Texas	NELAP	T104704575	06-25-25
Washington	State	C1087	07-13-25

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	7296.01	11-30-26
A2LA	ISO/IEC 17025	7296.01	11-30-26
Arizona	State	AZ0830	11-16-25
Arkansas DEQ	State	88-01672	07-02-25
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-25
California	State	3082	07-01-25
Kansas	NELAP	E-10420	07-31-25
Nevada	State	CA00111	07-31-25
Oregon	NELAP	4175	02-02-26
USDA	US Federal Programs	525-23-159-97150	06-08-26
Utah	NELAP	CA00111	02-28-26
Washington	State	C916	10-11-25

Laboratory: Eurofins Houston

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

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00759	08-04-25
Florida	NELAP	E871002	06-30-25
Louisiana (All)	NELAP	03054	06-30-25
Oklahoma	NELAP	1306	08-31-25
Texas	NELAP	T104704215	06-30-25
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26

Accreditation/Certification Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26070-1
Project/Site: CMC

Laboratory: Eurofins Sacramento

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-27
ANAB	Dept. of Defense ELAP	L2468	01-20-27
ANAB	Dept. of Energy	L2468.01	01-20-27
ANAB	ISO/IEC 17025	L2468.03	01-20-27
Arizona	State	AZ0708	08-11-25
Arkansas DEQ	State	88-0691	05-18-26
California	State	2897	01-31-26
Colorado	State	CA00044	08-31-25
Florida	NELAP	E87570	06-30-25
Georgia	State	4040	01-29-26
Illinois	NELAP	200060	03-31-26
Kansas	NELAP	E-10375	10-31-25
Louisiana	NELAP	01944	06-30-25
Louisiana (All)	NELAP	01944	06-30-25
Maine	State	CA00004	04-14-26
Massachusetts	State	M-CA044	06-30-26
Michigan	State	9947	01-29-26
Minnesota	NELAP	2749448	12-31-25
Nevada	State	CA00044	07-31-25
New Jersey	NELAP	CA005	06-30-25
New York	NELAP	11666	04-01-26
Ohio	State	41252	01-29-26
Oregon	NELAP	4040	07-06-25
Texas	NELAP	T104704399-23-17	06-25-25
US Fish & Wildlife	US Federal Programs	A22139	04-30-26
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442023-16	02-28-26
Virginia	NELAP	460278	03-14-26
Washington	State	C581	05-06-26
West Virginia (DW)	State	9930C	02-01-26
West Virginia DEP	State	422	03-28-26
Wisconsin	State	998204680	08-31-25
Wyoming	State Program	8TMS-L	01-28-19 *

Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-27
ANAB	Dept. of Defense ELAP	L2305	04-06-27
ANAB	Dept. of Energy	L2305.01	04-06-27
ANAB	ISO/IEC 17025	L2305	04-06-27
Arizona	State	AZ0813	12-08-25
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-25 *
Connecticut	State	PH-0241	03-31-27
Florida	NELAP	E87689	06-30-26
HI - RadChem Recognition	State	n/a	06-30-25 *
Illinois	NELAP	200023	11-30-25
Iowa	State	373	12-01-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26070-1
Project/Site: CMC

Laboratory: Eurofins St. Louis (Continued)

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

Authority	Program	Identification Number	Expiration Date
Kansas	NELAP	E-10236	10-31-25
Kentucky (DW)	State	KY90125	12-31-25
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-25
Louisiana (All)	NELAP	106151	06-30-26
Louisiana (DW)	State	LA011	12-31-25
Maryland	State	310	09-30-25
Massachusetts	State	M-MO054	06-30-26
MI - RadChem Recognition	State	9005	06-30-25 *
Missouri	State	780	06-30-25 *
Nevada	State	MO00054	07-31-25
New Jersey	NELAP	MO002	06-30-26
New Mexico	State	MO00054	06-30-25 *
New York	NELAP	11616	03-31-26
North Carolina (DW)	State	29700	08-02-25
North Dakota	State	R-207	06-30-25 *
Oklahoma	NELAP	9997	08-31-25
Oregon	NELAP	4157	09-01-25
Pennsylvania	NELAP	68-00540	02-28-26
South Carolina	State	85002	06-30-25 *
Texas	NELAP	T104704193	07-31-25
US Fish & Wildlife	US Federal Programs	058448	07-31-25
USDA	US Federal Programs	525-23-138-94730	05-18-26
Utah	NELAP	MO00054	07-31-25
Virginia	NELAP	460230	06-14-26
Washington	State	C592	08-30-25
West Virginia DEP	State	381	10-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Chain-of-Custody Record

Client: AMAFCA

Mailing Address: 2600 PROSPECT AVE. NE
ALBUQUERQUE, NM 87107

Phone #: (505) 362-7342

email or Fax#: PCHAVEZ@AMAFCA.ORG

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: CMC

Project #:

Project Manager: PATRICK CHAVEZ

Sampler: INTERA INC - Jim Joseph

On Ice: ☒ Yes ☐ No

# of Coolers: 1 MOSO

Cooler Temp(including CF): 16.8+0.2=17.0(°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107
885-26070 COC

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and # *	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	9223 B E. COLI	SEE ATTACHED LIST
6/4/25	1440	AQ	RG-NORTH20250604	100ml PLASTIC 1													X	X
6/4/25	1540	AQ SW33	RG-ALAMEDA20250604	100ml PLASTIC 1													X	

Date	Time	Relinquished by	Received by	Via	Date	Time
6/4/25	16:45		SCM	CDO	6/4/25	1645
Date	Time	Relinquished by	Received by	Via	Date	Time

Remarks:
AQ = AQUEOUS SURFACE WATER
HAND DELIVERED ON ICE TO LAB
* SEE ATTACHED LISTS FOR BOTTLES & PRESERVATIVES

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories This serves as notice of this possibility Any sub-contracted data will be clearly notated on the analytical report

eurofins | Environment Testing

Invoice No:	8850014778	Invoice Date	February 06, 2025
Terms	Net 45 days	Federal Tax ID	84-4494460
Remit to	Eurofins Environment Testing South Central LLC PO Box 3895 Carol Stream, IL 60132		
Wire	Citibank ABA: 031100209 Acct# 31485573 SWIFT Code: CITIUS33		
ACH	Citibank ABA: 031100209 Acct# 31485573 SWIFT Code: CITIUS33		

Bill to:	Ship to:
Albuquerque Metropolitan Arroyo Flood Control Authority Attn: Accounts Payable 2600 Prospect Ave NE Albuquerque, NM 87107	Daniel B. Stephens & Associates Inc. 6020 Academy Road NE Suite 100 Albuquerque, NM 87109

P.O. Number	W.O. Number	Contract Number	Work Ordered by
DB23.1263			Eben Jones (505) 822-9400
Job Description	**Site Name**	**SDG Number**	**Invoice Contact**
See below			Patrick Chavez

Job No.	Job Description / Method/Test Description	Receipt Date	Quantity	Unit Price	Amount
J8362-1	CMC	07/19/2024			
	900.0 - Adjusted Gross Alpha		2.00	125.00	250.00
	1668A - Full List (209)		2.00	1,100.00	2,200.00
	537.1 - EPA 537.1 18 Analytes		4.00	450.00	1,800.00
	608.3 - 608 Dieldrin		2.00	215.00	430.00
	625.1 - Polycyclic Aromatic Hydrocarbons (PAHs)		2.00	370.00	740.00
	8260C - Tetrahydrofuran (THF)		2.00	130.00	260.00
	1664B - HEM		2.00	95.00	190.00
	200.7 Rev 4.4 - Total Recoverable 200.7 Ca Mg		2.00	60.00	120.00
	200.8 - Dissolved 200.8 Diss Cu Pb		2.00	60.00	120.00
	2540C - Total Dissolved Solids		2.00	35.00	70.00
	SM 2540D - Total Suspended Solids		2.00	35.00	70.00
	300.0 - Nitrate + Nitrite as N		1.00	35.00	35.00
	300.0 - Nitrate & Nitrite		1.00	35.00	35.00
	351.2 - Total Kjeldahl Nitrogen		2.00	45.00	90.00
	365.1 - Dissolved Total Phosphorus		2.00	45.00	90.00
	365.1 - Total Phosphorus		2.00	45.00	90.00
	5220D - COD		2.00	50.00	100.00
	9223B - E. Coli		1.00	65.00	65.00
	SM 2340B - Total Recoverable Hardness Calc		2.00	30.00	60.00
	SM 4500 H+ B - pH		2.00	35.00	70.00
	SM 4500 NH3 B - Distillation, Ammonia		2.00	35.00	70.00
	SM 4500 NH3 C - Ammonia		2.00	35.00	70.00
	SM5210B - Biochemical Oxygen Demand		2.00	65.00	130.00
	3500 Cr C-11 - 3500Cr C-2011 Cr6		2.00	150.00	300.00
	Supplies - Filters		2.00	10.00	20.00
	Sample Disposal and Bottle Charges		1.00	6.00	6.00

6/4/25
SAMPLE RG-NORTH 20250604
ANALYTE LIST
ATTACHED TO CHAIN-OF-CUSTODY FORM
1

This invoice falls under Eurofins Environment Testing South Central Standard T&C's of Net 30 Days unless superseded by another valid contract vehicle in place at the time these services were rendered Make payments at https://smartpay.profitstars.com/express/CUS131EETSC

ORIGIN ID:ABQA (505) 345-3975
SAMPLE RECEIVING
HALL ENVIRONMENTAL
4901 HAWKINS NE

ALBUQUERQUE, NM 87109
UNITED STATES US

SHIP DATE: 05JUN25
ACTWGT: 20.00 LB
CAD: 1717027/INET4535

BILL SENDER

TO SAMPLE RECIEVING
EUROFINS TUSTIN
2841 DOW AVE
SUITE 100
TUSTIN CA 92780
(714) 895-5494 REF:
INV:
PO: DEP

FedEx Express

FRI - 06 JUN 10:30A
PRIORITY OVERNIGHT

TRK# 0201 8818 1476 4427

92780
CA-US SNA

XW DTHA

885-26070 Waybill

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque, NM 87109
Phone: 505-345-3975 Fax: 505-345-4107

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Munoz, Erin	Carrier Tracking No(s): N/A	COC No: 885-5232.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Erin.Munoz@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Oregon		Job #: 885-26070-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 6/30/2025			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: CMC	Project #: 88500567			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	900.0/Evaporation Standard Target List	GrAlAdjUnc_Calc	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
RG-North20250604 (885-26070-1)	6/4/25	14:40 Mountain	G	Water			X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	6/5/25 1545		[signature]	0810 JUN 06 2025	
2	Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque, NM 87109
Phone: 505-345-3975 Fax: 505-345-4107

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Munoz, Erin	Carrier Tracking No(s): N/A	COC No: 885-5218.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Erin.Munoz@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Oregon		Job #: 885-26070-1
Address: 8600 Kanis Rd, ,	Due Date Requested: 6/30/2025			Preservation Codes: -
City: Little Rock	TAT Requested (days): N/A			
State, Zip: AR, 72204				
Phone: 501-224-5060(Tel) 501-224-5075(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Dry Season	Project #: 88500567			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SM5210B_Calc/ BOD	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
RG-North20250604 (885-26070-1)	6/4/25	14:40 Mountain	G	Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	6/4/25 1700		[signature]	6/5/25 907	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.5

8817 9627 9569

Ver: 10/10/2024

7/15/2025

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque, NM 87109
Phone: 505-345-3975 Fax: 505-345-4107

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Munoz, Erin	Carrier Tracking No(s): N/A	COC No: 885-5225.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Erin.Munoz@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing Northern Ca		Accreditations Required (See note): NELAP Oregon		Job #: 885-26070-1
Address: 880 Riverside Parkway	Due Date Requested: 6/27/2025			
City: West Sacramento	TAT Requested (days): N/A			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: CMC	Project #: 88500567			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes

Other: N/A

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1668A/HRMS_Sep_F Full List (209)	537 1/537 1_Prep EPA 537 List (14 Analytes)	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
RG-North20250604 (885-26070-1)	6/4/25	14.40 Mountain	G	Water			X	X	5	J and MDL

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I II, III, IV Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	6/5/25 1455		[signature]	6.6.25 915	EEPAC
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:
3	Seal	6.7c

Ver: 10/10/2024

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque, NM 87109
Phone: 505-345-3975 Fax: 505-345-4107

Chain of Custody Record

eurofins | Environm

Loc: 885
26070

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Munoz, Erin	Carrier Tracking No(s): N/A	COC No: 885-5223.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Erin.Munoz@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): NELAP - Oregon		Job #: 885-26070-1
Address: 2841 Dow Avenue, Suite 100, ,	Due Date Requested: 6/26/2025			
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: CMC	Project #: 88500567			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	218.6_Pres_ORGF/ Hexavalent Chromium	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
RG-North20250604 (885-26070-1)	6/4/25	14:40 Mountain	G	Water			X	1	

885-26070 Chain of Custody

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	6/5/25 1440		Fedex		
Relinquished by: Fedex	Date/Time:	Company	Received by:	Date/Time: 6/6/25 9:45	Company EC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.5 | 4.0 SC |

Ver: 10/10/2024

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque, NM 87109
Phone: 505-345-3975 Fax: 505-345-4107

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Munoz, Erin	Carrier Tracking No(s): N/A	COC No: 885-5219.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Erin.Munoz@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Oregon		Job #: 885-26070-1
Address: 4145 Greenbriar Dr	Due Date Requested: 6/18/2025			
City: Stafford	TAT Requested (days): N/A			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: CMC	Project #: 88500567			
Site: N/A	SSOW#: N/A			

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	608.3/3611 (MOD) Dieldrin only	625.1/625_Prep 625.1 Client PAH	624.1/624_Prep_3D Tetrahydrofuran (THF)	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
RG-North20250604 (885-26070-1)	6/4/25	14:40 Mountain	G	Water			X	X	X	3	J and MDLs

Analysis Requested

Preservation Codes:

Other: N/A

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		6/5/25 1405			6/6	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver 10/10/2024

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Sacramento Sample Receiving Notes (SSRN)

Tracking # 881419864600

Job _____ 885-26070 Field Sheet

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier
GSL / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal, Cooler Custody Seal Temperature & corrected Temperature & other observations.
File in the job folder with the COC

Therm ID L-11 Corr Factor (+ / -) _____ °C

Ice_____ Wet_____ Gel 1 Other _____

Cooler Custody Seal. Yes

Cooler ID _____

Temp Observed 5.7 °C Corrected 5.7 °C

From Temp Blank ☐ Sandwich ☒ Sidewall ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials JS Date 6/6/25

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
COC is complete w/o discrepancies	☒	☐	☐
Sample custody seal?	☐	☐	☒
Sample containers have legible labels?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Is the Field Sampler's name on COC?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace or bubble < 6 mm (1/4")

Initials JS Date 6/6/25

Notes _____

Trizma Lot #(s) 0000326568

Ammonium Acetate Lot #(s) _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
NCM Filed?	☐	☐	☒
Samples received within hold time?	☐	☐	☒
Log Release checked in TALS?	☐	☐	☒

Initials JS Date: 6/6/25

Login Sample Receipt Checklist

Client: Albuquerque Metropolitan Arroyo Flood Control Authority

Job Number: 885-26070-1

Login Number: 26070

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

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

Login Sample Receipt Checklist

Client: Albuquerque Metropolitan Arroyo Flood Control Authority

Job Number: 885-26070-1

Login Number: 26070
List Number: 2
Creator: Stephens, Ren

List Source: Eurofins Arkansas
List Creation: 06/05/25 11:05 AM

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

Login Sample Receipt Checklist

Client: Albuquerque Metropolitan Arroyo Flood Control Authority

Job Number: 885-26070-1

Login Number: 26070
List Number: 6
Creator: Mills, Mary

List Source: Eurofins Calscience
List Creation: 06/06/25 06:28 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Albuquerque Metropolitan Arroyo Flood Control Authority

Job Number: 885-26070-1

Login Number: 26070
List Number: 3
Creator: Silva, Daniel

List Source: Eurofins Houston
List Creation: 06/06/25 10:05 AM

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

Login Sample Receipt Checklist

Client: Albuquerque Metropolitan Arroyo Flood Control Authority

Job Number: 885-26070-1

Login Number: 26070
List Number: 5
Creator: Simmons, Jason C

List Source: Eurofins Sacramento
List Creation: 06/06/25 12:22 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	Seal
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.7c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Albuquerque Metropolitan Arroyo Flood Control Authority

Job Number: 885-26070-1

Login Number: 26070
List Number: 4
Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis
List Creation: 06/06/25 12:20 PM

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Patrick Chavez
Albuquerque Metropolitan Arroyo Flood Control Authority
2600 Prospect Ave NE
Albuquerque, New Mexico 87107

Generated 7/9/2025 6:54:30 AM

JOB DESCRIPTION

CMC

JOB NUMBER

885-26174-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

myEOL

Eurofins Albuquerque

Job Notes

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

Authorization



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7/9/2025 6:54:30 AM

Authorized for release by
Erin Munoz, Project Manager
Erin.Munoz@et.eurofinsus.com
(505)345-3975

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 6
Client Sample Results 8
Isotope Dilution Summary 19
QC Sample Results 22
QC Association Summary 50
Lab Chronicle 56
Certification Summary 58
Chain of Custody 61
Receipt Checklists 69

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
S1+	Surrogate recovery exceeds control limits, high biased.

HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

LCMS

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Dioxin

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
q	The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.

Glossary

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
885-26174-1

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

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

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

Receipt
The samples were received on 6/5/2025 4:16 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 15.5°C.

GC/MS VOA
Method 624.1: The following sample was received outside of holding time: RG-SOUTH20250605 (885-26174-1).

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

GC/MS Semi VOA
Method 625.1_QQQ: The continuing calibration verification (CCV) associated with batch 860-242432 recovered above the upper control limit for Pentachlorophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCVIS 860-242432/2).

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

Pesticides/PCBs
Method 608.3: The surrogate recovery for the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) associated with preparation batch 860-241782 and analytical batch 860-241937 was outside the upper control limits.

(LCS 860-241782/14-A) and (LCSD 860-241782/17-A)

Method 608.3: The DCB (Decachlorobiphenyl) surrogate recovery for the following samples was outside acceptance limits (low biased) on the primary column: RG-SOUTH20250605 (885-26174-1). The recovery is within acceptance limits on the other column, indicating that the extraction process was in control.

Method 608.3: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 860-241782 and analytical batch 860-241937 recovered outside control limits for the following analytes: Dieldrin. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

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

PFAS
Method 1633_Final: The following sample was found in large amber glass container not compatible with our automated SPE machine and 125ml of the sample was transferred into new a 125ml bottle for the extraction:RG-SOUTH20250605 (885-26174-1). The sample was fortified with Extracted Internal Standards (EIS), equilibrated, and extracted. Elevated reporting limits (RLs) are provided.

Method 1633_Final: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 320-858067 and analytical batch 320-858281 recovered outside control limits for Nonafluoro-3,6-dioxaheptanoic acid (NFDHA). The individual recoveries were within control limits.

Job ID: 885-26174-1 (Continued) Eurofins Albuquerque

Method 1633_Final: The continuing calibration verification (CCV) associated with batch 320-858281 recovered above the upper control limit for Nonafluoro-3,6-dioxaheptanoic acid (NFDHA). The samples and method blank (MB) associated with this CCV were non-detects, the low level laboratory control sample, laboratory control sample, and laboratory control sample duplicate (LLCS/LCS/LCSD) were within control limits for the affected analyte; therefore, the data have been reported: RG-SOUTH20250605 (885-26174-1), (CCV 320-858281/12), (CCV 320-858281/24), (LCS 320-858067/3-A), (LCSD 320-858067/4-A), (LLCS 320-858067/2-A) and (MB 320-858067/1-A).

Method 1633_Final: The low level continuing calibration verification (CCVL) associated with batch 320-858658 recovered above the upper control limit for 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS). The sample associated with this CCV was non-detects for the affected analyte; therefore, the data have been reported. The associated samples are:RG-SOUTH20250605 (885-26174-1) and (CCVL 320-858658/2).

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

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

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

General Chemistry
Method 1664B_NP: Insufficient sample volume was available to perform a matrix spike (MS) associated with analytical batch 885-27844.

Method 2540C_SingleDry: Reanalysis of the following sample(s) was performed outside of the analytical holding time due to initial run at x10 dilution, ND result. Second run at x2 dilution with reportable result. : RG-SOUTH20250605 (885-26174-1).

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

Gas Flow Proportional Counter
Method 900.0: Gross Alpha Beta Batch 722499

The detection goal was not met for the following sample due to a reduction of the sample size attributed to high residual mass: RG-SOUTH20250605 (885-26174-1). Analytical results are reported with the detection limit achieved.

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

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

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

06/05/2025 Rio Grande South full Suite sample with E.coli and PFAS. Alameda had an E.coli grab sample taken.

Field Parameters:
- Rio Grande - South
Temp = 24.1 ^{0}C
pH = 7.61
Conductivity = 141.75
Dissolved Oxygen = 6.48
- Alameda
No Field Data was taken.

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

Client Sample ID: RG-SOUTH20250605
Lab Sample ID: 885-26174-1
Date Collected: 06/05/25 14:20
Matrix: Water
Date Received: 06/05/25 16:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	ND	H	0.010	0.0018	mg/L			06/11/25 10:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 144*		*06/11/25 10:51*	*1*
4-Bromofluorobenzene (Surr)	*87*		*74 - 124*		*06/11/25 10:51*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 131*		*06/11/25 10:51*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*06/11/25 10:51*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzidine	ND		2.9	0.45	ug/L		06/11/25 13:00	06/14/25 04:37	1
Benzo[a]anthracene	ND		0.29	0.082	ug/L		06/11/25 13:00	06/14/25 04:37	1
Benzo[a]pyrene	ND		0.29	0.070	ug/L		06/11/25 13:00	06/14/25 04:37	1
3,4-Benzofluoranthene	ND		0.57	0.066	ug/L		06/11/25 13:00	06/14/25 04:37	1
Bis(2-ethylhexyl) phthalate	ND		2.9	1.4	ug/L		06/11/25 13:00	06/14/25 04:37	1
Chrysene	ND		0.57	0.082	ug/L		06/11/25 13:00	06/14/25 04:37	1
Dibenz(a,h)anthracene	ND		0.11	0.051	ug/L		06/11/25 13:00	06/14/25 04:37	1
Dibenzofuran	ND		0.57	0.11	ug/L		06/11/25 13:00	06/14/25 04:37	1
Indeno[1,2,3-cd]pyrene	ND		0.57	0.10	ug/L		06/11/25 13:00	06/14/25 04:37	1
Pentachlorophenol	ND		0.57	0.20	ug/L		06/11/25 13:00	06/14/25 04:37	1
Benzo[k]fluoranthene	ND		0.57	0.047	ug/L		06/11/25 13:00	06/14/25 04:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*42*	*S1-*	*43 - 130*	*06/11/25 13:00*	*06/14/25 04:37*	*1*
2-Fluorophenol (Surr)	*26*		*19 - 120*	*06/11/25 13:00*	*06/14/25 04:37*	*1*
Nitrobenzene-d5 (Surr)	*56*		*37 - 133*	*06/11/25 13:00*	*06/14/25 04:37*	*1*
Phenol-d5 (Surr)	*17*		*8 - 124*	*06/11/25 13:00*	*06/14/25 04:37*	*1*
p-Terphenyl-d14 (Surr)	*32*	*S1-*	*47 - 130*	*06/11/25 13:00*	*06/14/25 04:37*	*1*
2,4,6-Tribromophenol (Surr)	*51*		*35 - 130*	*06/11/25 13:00*	*06/14/25 04:37*	*1*

Method: EPA 608.3 - Organochlorine Pesticides/PCBs in Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	ND	*+	0.000055	0.000019	mg/L		06/11/25 13:43	06/12/25 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*57*		*45 - 115*	*06/11/25 13:43*	*06/12/25 17:39*	*1*
Tetrachloro-m-xylene	*103*		*41 - 110*	*06/11/25 13:43*	*06/12/25 17:39*	*1*

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	**0.072**	**J**	0.20	0.051	ug/L			06/11/25 10:35	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate	**0.50**		0.10	0.020	mg/L			06/06/25 19:09	1
Nitrite	ND		0.10	0.012	mg/L			06/06/25 19:09	1
Nitrate Nitrite as N	**0.50**		0.20	0.022	mg/L			06/06/25 19:09	1

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**1.9**	**J**	3.7	0.93	ng/L		06/17/25 12:29	06/18/25 18:13	1

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

Client Sample ID: RG-SOUTH20250605
Lab Sample ID: 885-26174-1
Date Collected: 06/05/25 14:20
Matrix: Water
Date Received: 06/05/25 16:16

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	1.4	J	1.9	0.46	ng/L		06/17/25 12:29	06/18/25 18:13	1
Perfluorohexanoic acid (PFHxA)	1.1	J	1.9	0.46	ng/L		06/17/25 12:29	06/18/25 18:13	1
Perfluoroheptanoic acid (PFHpA)	ND		1.9	0.46	ng/L		06/17/25 12:29	06/18/25 18:13	1
Perfluorooctanoic acid (PFOA)	0.85	J	1.9	0.46	ng/L		06/17/25 12:29	06/18/25 18:13	1
Perfluorononanoic acid (PFNA)	ND		1.9	0.46	ng/L		06/17/25 12:29	06/18/25 18:13	1
Perfluorodecanoic acid (PFDA)	ND		1.9	0.46	ng/L		06/17/25 12:29	06/18/25 18:13	1
Perfluoroundecanoic acid (PFUnA)	ND		1.9	0.46	ng/L		06/17/25 12:29	06/18/25 18:13	1
Perfluorododecanoic acid (PFDoA)	ND		1.9	0.51	ng/L		06/17/25 12:29	06/18/25 18:13	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.9	0.54	ng/L		06/17/25 12:29	06/18/25 18:13	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.9	0.75	ng/L		06/17/25 12:29	06/18/25 18:13	1
Perfluorobutanesulfonic acid (PFBS)	3.6		1.9	0.46	ng/L		06/17/25 12:29	06/18/25 18:13	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.9	0.46	ng/L		06/17/25 12:29	06/18/25 18:13	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.9	0.46	ng/L		06/17/25 12:29	06/18/25 18:13	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.9	0.46	ng/L		06/17/25 12:29	06/18/25 18:13	1
Perfluorooctanesulfonic acid (PFOS)	0.75	J	1.9	0.46	ng/L		06/17/25 12:29	06/18/25 18:13	1
Perfluorononanesulfonic acid (PFNS)	ND		1.9	0.46	ng/L		06/17/25 12:29	06/18/25 18:13	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.9	0.46	ng/L		06/17/25 12:29	06/18/25 18:13	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.9	0.49	ng/L		06/17/25 12:29	06/18/25 18:13	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.7	0.93	ng/L		06/17/25 12:29	06/18/25 18:13	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.9	0.46	ng/L		06/17/25 12:29	06/18/25 18:13	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.9	0.46	ng/L		06/17/25 12:29	06/18/25 18:13	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.9	0.46	ng/L		06/17/25 12:29	06/18/25 18:13	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		9.3	2.3	ng/L		06/17/25 12:29	06/18/25 18:13	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.9	0.46	ng/L		06/17/25 12:29	06/18/25 18:13	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.9	0.46	ng/L		06/17/25 12:29	06/18/25 18:13	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	*1	1.9	0.67	ng/L		06/17/25 12:29	06/18/25 18:13	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.9	0.46	ng/L		06/17/25 12:29	06/18/25 18:13	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.7	0.93	ng/L		06/17/25 12:29	06/18/25 18:13	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		9.3	2.3	ng/L		06/17/25 12:29	06/18/25 18:13	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		9.3	2.3	ng/L		06/17/25 12:29	06/18/25 18:13	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*95.0*		*5 - 130*	*06/17/25 12:29*	*06/18/25 18:13*	*1*
13C5 PFPeA	*130*		*40 - 130*	*06/17/25 12:29*	*06/18/25 18:13*	*1*
13C5 PFHxA	*130*		*40 - 130*	*06/17/25 12:29*	*06/18/25 18:13*	*1*
13C4 PFHpA	*126*		*40 - 130*	*06/17/25 12:29*	*06/18/25 18:13*	*1*
13C8 PFOA	*86.8*		*40 - 130*	*06/17/25 12:29*	*06/18/25 18:13*	*1*
13C9 PFNA	*94.5*		*40 - 130*	*06/17/25 12:29*	*06/18/25 18:13*	*1*

Client Sample ID: RG-SOUTH20250605
Lab Sample ID: 885-26174-1
Date Collected: 06/05/25 14:20
Matrix: Water
Date Received: 06/05/25 16:16

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C6 PFDA	104		40 - 130	06/17/25 12:29	06/18/25 18:13	1
13C7 PFUnA	97.1		30 - 130	06/17/25 12:29	06/18/25 18:13	1
13C2 PFDoA	86.9		10 - 130	06/17/25 12:29	06/18/25 18:13	1
13C2 PFTeDA	60.6		10 - 130	06/17/25 12:29	06/18/25 18:13	1
13C3 PFBS	102		40 - 135	06/17/25 12:29	06/18/25 18:13	1
13C3 PFHxS	104		40 - 130	06/17/25 12:29	06/18/25 18:13	1
13C8 PFOS	101		40 - 130	06/17/25 12:29	06/18/25 18:13	1
13C8 FOSA	122		40 - 130	06/17/25 12:29	06/18/25 18:13	1
13C2 8:2 FTS	141		40 - 300	06/17/25 12:29	06/18/25 18:13	1
d9-N-EtFOSE-M	83.8		10 - 130	06/17/25 12:29	06/18/25 18:13	1
d5-NEtPFOSA	90.5		10 - 130	06/17/25 12:29	06/18/25 18:13	1
d3-NMePFOSA	87.5		10 - 130	06/17/25 12:29	06/18/25 18:13	1

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND	^+	3.7	0.93	ng/L		06/17/25 12:29	06/19/25 23:28	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	**11**		3.7	0.93	ng/L		06/17/25 12:29	06/19/25 23:28	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.9	0.46	ng/L		06/17/25 12:29	06/19/25 23:28	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.9	0.46	ng/L		06/17/25 12:29	06/19/25 23:28	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		9.3	2.3	ng/L		06/17/25 12:29	06/19/25 23:28	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.4	0.36	ng/L		06/17/25 12:29	06/19/25 23:28	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.9	0.46	ng/L		06/17/25 12:29	06/19/25 23:28	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.9	0.54	ng/L		06/17/25 12:29	06/19/25 23:28	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.9	0.46	ng/L		06/17/25 12:29	06/19/25 23:28	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFHxA	118		40 - 130	06/17/25 12:29	06/19/25 23:28	1
d3-NMeFOSAA	81.1		40 - 170	06/17/25 12:29	06/19/25 23:28	1
d5-NEtFOSAA	96.1		25 - 135	06/17/25 12:29	06/19/25 23:28	1
13C2 4:2 FTS	116		40 - 200	06/17/25 12:29	06/19/25 23:28	1
13C2 6:2 FTS	110		40 - 200	06/17/25 12:29	06/19/25 23:28	1
13C3 HFPO-DA	114		40 - 130	06/17/25 12:29	06/19/25 23:28	1
d7-N-MeFOSE-M	72.0		10 - 130	06/17/25 12:29	06/19/25 23:28	1

Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	ND		23	3.2	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-2	ND		230	5.0	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-3	ND		69	8.1	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-4	ND		46	6.0	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-5	ND		230	12	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-6	ND		230	4.7	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-7	ND		230	6.3	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-8	ND		230	8.7	pg/L		06/18/25 09:51	06/24/25 06:50	1

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

Client Sample ID: RG-SOUTH20250605
Lab Sample ID: 885-26174-1
Date Collected: 06/05/25 14:20
Matrix: Water
Date Received: 06/05/25 16:16

Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-9	ND		230	3.4	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-10	ND		230	5.6	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-11	75	J B	230	19	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-12	ND		460	9.8	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-13	ND		460	9.8	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-14	ND		230	4.0	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-15	7.9	J q	46	4.3	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-16	ND		230	7.8	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-17	ND		230	4.2	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-18	6.4	J	460	4.8	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-19	ND		23	11	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-20	ND		460	24	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-21	ND		460	17	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-22	4.5	J q	230	3.9	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-23	ND		230	9.2	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-24	ND		230	3.3	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-25	ND		230	4.8	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-26	ND		460	11	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-27	ND		230	11	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-28	ND		460	24	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-29	ND		460	11	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-30	6.4	J	460	4.8	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-31	11	J	230	6.6	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-32	ND		230	4.2	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-33	ND		460	17	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-34	ND		230	6.9	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-35	ND		230	4.0	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-36	ND		230	6.5	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-37	ND		23	6.4	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-38	ND		230	14	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-39	ND		230	12	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-40	ND		460	13	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-41	ND		230	9.6	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-42	ND		230	9.4	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-43	ND		230	13	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-44	21	J q	690	19	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-45	ND		460	8.8	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-46	ND		230	4.1	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-47	21	J q	690	19	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-48	ND		230	5.4	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-49	8.7	J q	460	6.3	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-50	ND		460	12	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-51	ND		460	8.8	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-52	21	J q	230	4.9	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-53	ND		460	12	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-54	ND		23	9.5	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-55	ND		230	8.7	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-56	ND		230	7.6	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-57	ND		230	5.3	pg/L		06/18/25 09:51	06/24/25 06:50	1

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

Client Sample ID: RG-SOUTH20250605
Lab Sample ID: 885-26174-1
Date Collected: 06/05/25 14:20
Matrix: Water
Date Received: 06/05/25 16:16

Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-58	ND		230	7.9	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-59	ND		690	14	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-60	ND		230	4.6	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-61	26	J	920	22	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-62	ND		690	14	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-63	ND		230	11	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-64	9.2	J q	230	4.3	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-65	21	J q	690	19	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-66	ND		230	12	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-67	ND		230	15	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-68	ND		230	11	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-69	8.7	J q	460	6.3	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-70	26	J	920	22	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-71	ND		460	13	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-72	ND		230	8.0	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-73	ND		230	6.1	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-74	26	J	920	22	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-75	ND		690	14	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-76	26	J	920	22	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-77	ND		23	7.5	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-78	ND		230	5.3	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-79	ND		230	9.3	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-80	ND		230	9.3	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-81	ND		23	5.9	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-82	ND		230	7.1	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-83	21	J	460	11	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-84	ND		230	11	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-85	ND		690	19	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-86	38	J	1400	33	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-87	38	J	1400	33	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-88	ND		460	10	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-89	ND		230	9.5	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-90	86	J	690	19	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-91	ND		460	10	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-92	ND		230	3.0	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-93	ND		460	12	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-94	ND		230	12	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-95	64	J	230	12	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-96	ND		230	17	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-97	38	J	1400	33	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-98	ND		460	16	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-99	21	J	460	11	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-100	ND		460	12	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-101	86	J	690	19	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-102	ND		460	16	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-103	ND		230	9.9	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-104	ND		23	5.2	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-105	27		23	11	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-106	ND		230	9.4	pg/L		06/18/25 09:51	06/24/25 06:50	1

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

Client Sample ID: RG-SOUTH20250605
Lab Sample ID: 885-26174-1
Date Collected: 06/05/25 14:20
Matrix: Water
Date Received: 06/05/25 16:16

Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-107	ND		230	4.8	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-108	ND		460	12	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-109	38	J	1400	38	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-110	83	J	460	16	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-111	ND		230	3.2	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-112	ND		230	7.2	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-113	86	J	690	19	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-114	ND		23	3.9	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-115	83	J	460	16	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-116	ND		690	19	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-117	ND		690	19	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-118	58		23	10	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-119	38	J	1400	33	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-120	ND		230	6.4	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-121	ND		230	13	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-122	ND		230	2.4	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-123	ND		23	11	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-124	ND		460	12	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-125	38	J	1400	33	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-126	ND		23	5.9	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-127	ND		230	2.6	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-128	40	J	460	11	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-129	330	J	920	18	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-130	ND		230	13	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-131	ND		230	6.3	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-132	86	J	230	5.6	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-133	ND		230	12	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-134	ND		460	17	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-135	120	J B	460	11	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-136	32	J	230	7.0	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-137	8.0	J	230	6.8	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-138	330	J	920	18	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-139	ND		460	11	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-140	ND		460	11	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-141	86	J	230	8.3	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-142	ND		230	14	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-143	ND		460	17	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-144	18	J	230	7.1	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-145	ND		230	4.8	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-146	40	J	230	8.2	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-147	240	J	460	11	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-148	ND		230	7.6	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-149	240	J	460	11	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-150	ND		230	13	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-151	120	J B	460	11	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-152	ND		230	6.2	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-153	290	J	460	11	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-154	ND		230	6.6	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-155	ND		23	6.6	pg/L		06/18/25 09:51	06/24/25 06:50	1

Client Sample ID: RG-SOUTH20250605
Lab Sample ID: 885-26174-1
Date Collected: 06/05/25 14:20
Matrix: Water
Date Received: 06/05/25 16:16

Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-156	17	J q	46	9.4	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-157	17	J q	46	9.4	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-158	40	J	230	7.3	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-159	ND		230	7.2	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-160	330	J	920	18	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-161	ND		230	5.7	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-162	ND		230	10	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-163	330	J	920	18	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-164	23	J q	230	11	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-165	ND		230	5.7	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-166	40	J	460	11	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-167	10	J q	23	8.8	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-168	290	J	460	11	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-169	6.5	J B q	23	3.7	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-170	140	J	230	6.3	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-171	33	J	460	10	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-172	19	J	230	6.1	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-173	33	J	460	10	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-174	130	J	230	19	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-175	7.5	J	230	4.5	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-176	14	J q	230	5.2	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-177	70	J	230	3.7	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-178	39	J	230	4.8	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-179	42	J	230	7.2	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-180	280	J	460	9.0	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-181	ND		230	5.1	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-182	ND		230	16	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-183	75	J	230	7.2	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-184	ND		230	16	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-185	19	J	230	14	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-186	ND		230	17	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-187	130	J	230	7.9	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-188	ND		23	11	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-189	ND		23	18	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-190	26	J q	230	3.0	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-191	ND		230	3.4	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-192	ND		230	5.1	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-193	280	J	460	9.0	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-194	64	J	230	10	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-195	32	J	230	20	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-196	33	J q	230	3.5	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-197	ND		230	15	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-198	64	J	460	8.9	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-199	64	J	460	8.9	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-200	8.3	J	230	6.7	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-201	ND		230	15	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-202	10	J	23	4.4	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-203	38	J	230	5.6	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-204	ND		230	15	pg/L		06/18/25 09:51	06/24/25 06:50	1

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

Client Sample ID: RG-SOUTH20250605
Lab Sample ID: 885-26174-1
Date Collected: 06/05/25 14:20
Matrix: Water
Date Received: 06/05/25 16:16

Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-205	ND		23	4.6	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-206	ND		23	9.5	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-207	ND		230	6.2	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-208	ND		23	4.4	pg/L		06/18/25 09:51	06/24/25 06:50	1
PCB-209	ND		23	13	pg/L		06/18/25 09:51	06/24/25 06:50	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*69*		*15 - 150*	*06/18/25 09:51*	*06/24/25 06:50*	*1*
PCB-3L	*65*		*15 - 150*	*06/18/25 09:51*	*06/24/25 06:50*	*1*
PCB-4L	*67*		*25 - 150*	*06/18/25 09:51*	*06/24/25 06:50*	*1*
PCB-15L	*59*		*25 - 150*	*06/18/25 09:51*	*06/24/25 06:50*	*1*
PCB-19L	*64*		*25 - 150*	*06/18/25 09:51*	*06/24/25 06:50*	*1*
PCB-37L	*56*		*25 - 150*	*06/18/25 09:51*	*06/24/25 06:50*	*1*
PCB-54L	*51*		*25 - 150*	*06/18/25 09:51*	*06/24/25 06:50*	*1*
PCB-77L	*53*		*25 - 150*	*06/18/25 09:51*	*06/24/25 06:50*	*1*
PCB-81L	*56*		*25 - 150*	*06/18/25 09:51*	*06/24/25 06:50*	*1*
PCB-104L	*49*		*25 - 150*	*06/18/25 09:51*	*06/24/25 06:50*	*1*
PCB-105L	*57*		*25 - 150*	*06/18/25 09:51*	*06/24/25 06:50*	*1*
PCB-114L	*56*		*25 - 150*	*06/18/25 09:51*	*06/24/25 06:50*	*1*
PCB-118L	*56*		*25 - 150*	*06/18/25 09:51*	*06/24/25 06:50*	*1*
PCB-123L	*54*		*25 - 150*	*06/18/25 09:51*	*06/24/25 06:50*	*1*
PCB-126L	*63*		*25 - 150*	*06/18/25 09:51*	*06/24/25 06:50*	*1*
PCB-155L	*43*		*25 - 150*	*06/18/25 09:51*	*06/24/25 06:50*	*1*
PCB-156L	*55*		*25 - 150*	*06/18/25 09:51*	*06/24/25 06:50*	*1*
PCB-156L/157L	*55*		*25 - 150*	*06/18/25 09:51*	*06/24/25 06:50*	*1*
PCB-157L	*55*		*25 - 150*	*06/18/25 09:51*	*06/24/25 06:50*	*1*
PCB-167L	*53*		*25 - 150*	*06/18/25 09:51*	*06/24/25 06:50*	*1*
PCB-169L	*57*		*25 - 150*	*06/18/25 09:51*	*06/24/25 06:50*	*1*
PCB-188L	*44*		*25 - 150*	*06/18/25 09:51*	*06/24/25 06:50*	*1*
PCB-189L	*57*		*25 - 150*	*06/18/25 09:51*	*06/24/25 06:50*	*1*
PCB-202L	*52*		*25 - 150*	*06/18/25 09:51*	*06/24/25 06:50*	*1*
PCB-205L	*67*		*25 - 150*	*06/18/25 09:51*	*06/24/25 06:50*	*1*
PCB-206L	*68*		*25 - 150*	*06/18/25 09:51*	*06/24/25 06:50*	*1*
PCB-208L	*62*		*25 - 150*	*06/18/25 09:51*	*06/24/25 06:50*	*1*
PCB-209L	*64*		*25 - 150*	*06/18/25 09:51*	*06/24/25 06:50*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*70*		*30 - 135*	*06/18/25 09:51*	*06/24/25 06:50*	*1*
PCB-111L	*79*		*30 - 135*	*06/18/25 09:51*	*06/24/25 06:50*	*1*
PCB-178L	*90*		*30 - 135*	*06/18/25 09:51*	*06/24/25 06:50*	*1*

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**74**		1.0	0.42	mg/L		06/06/25 11:43	06/10/25 15:59	1
Magnesium	**14**		1.0	0.064	mg/L		06/06/25 11:43	06/10/25 15:59	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**3.5**		1.0	0.15	ug/L		06/13/25 13:21	06/19/25 16:28	2

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

Client Sample ID: RG-SOUTH20250605
Lab Sample ID: 885-26174-1
Date Collected: 06/05/25 14:20
Matrix: Water
Date Received: 06/05/25 16:16

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.00050	0.00034	mg/L			06/25/25 16:13	1
Copper	**0.00094**		0.00050	0.00030	mg/L			06/25/25 16:13	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**240**		6.6	2.5	mg/L			06/11/25 15:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease) (1664B)	ND		8.9	8.9	mg/L			06/09/25 08:07	1
Total Dissolved Solids (SM 2540C)	**260**	**H**	100	50	mg/L			06/18/25 17:14	1
Nitrogen, Total Kjeldahl (EPA 351.2)	**1.5**		0.50	0.50	mg/L		06/19/25 11:34	06/20/25 10:29	1
Total Phosphorus as P (EPA 365.1)	**0.71**		0.050	0.050	mg/L		06/10/25 12:28	06/11/25 12:34	1
Biochemical Oxygen Demand (SM 5210 B-2016)	**2.9**		2.0	1.0	mg/L			06/06/25 13:33	1
Chemical Oxygen Demand (SM 5220D)	ND		50	50	mg/L			06/19/25 13:17	1
Total Suspended Solids (SM 2540D)	**730**		40	40	mg/L			06/11/25 11:37	1
pH (SM 4500 H+ B)	**8.1**	**HF**	0.1	0.1	SU			06/10/25 11:22	1
Ammonia (SM 4500 NH3 C)	**0.28**	**J**	0.67	0.28	mg/L		06/16/25 07:33	06/16/25 07:33	1

Method: EPA 900.0 - Gross Alpha and Gross Beta Radioactivity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**20.6**	**G**	7.08	7.46	3.00	7.95	pCi/L	06/16/25 08:06	06/18/25 07:53	1
Gross Beta	**15.9**		3.15	3.53	4.00	3.13	pCi/L	06/16/25 08:06	06/18/25 07:53	1

Method: SM Gross Alpha Adj - Gross Alpha Adjusted

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Adjusted Gross Alpha	**18.3**		7.09	7.47	3.00	7.95	pCi/L		06/19/25 16:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	**908.0**		10.0	10.0	MPN/100mL			06/05/25 16:56	1

Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

Client Sample ID: RG-ALAMEDA20250605
Lab Sample ID: 885-26174-2
Date Collected: 06/05/25 12:20
Matrix: Water
Date Received: 06/05/25 16:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	5794.0		10.0	10.0	MPN/100mL			06/05/25 16:56	1

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

Client Sample ID: RG-SOUTH20250605-Filtered
Lab Sample ID: 885-26174-3
Date Collected: 06/05/25 14:20
Matrix: Water
Date Received: 06/05/25 16:16

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphorus as P (EPA 365.1)	0.15		0.050	0.050	mg/L		06/10/25 12:28	06/11/25 12:35	1

Isotope Dilution Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

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

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFBA	PFPeA	13C5PHA	C4PFHA	C8PFOA	C9PFNA	C6PFDA	13C7PUA
Lab Sample ID	Client Sample ID	(5-130)	(40-130)	(40-130)	(40-130)	(40-130)	(40-130)	(40-130)	(30-130)
885-26174-1	RG-SOUTH20250605	95.0	130	130	126	86.8	94.5	104	97.1
885-26174-1 - RA	RG-SOUTH20250605			118					
LCS 320-858067/3-A	Lab Control Sample	93.6	94.6	96.4	95.1	93.7	83.3	96.2	91.2
LCSD 320-858067/4-A	Lab Control Sample Dup	86.8	107	112	93.3	97.2	94.8	105	103
LLCS 320-858067/2-A	Lab Control Sample	86.6	95.2	104	96.9	94.9	81.6	103	94.4
MB 320-858067/1-A	Method Blank	89.7	102	120	100	91.2	87.8	100	94.0

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFDoA	PFTDA	C3PFBS	C3PFHS	C8PFOS	PFOSA	d3NMFOS	d5NEFOS
Lab Sample ID	Client Sample ID	(10-130)	(10-130)	(40-135)	(40-130)	(40-130)	(40-130)	(40-170)	(25-135)
885-26174-1	RG-SOUTH20250605	86.9	60.6	102	104	101	122		
885-26174-1 - RA	RG-SOUTH20250605							81.1	96.1
LCS 320-858067/3-A	Lab Control Sample	73.4	67.5	98.6	97.8	89.8	96.0	101	99.7
LCSD 320-858067/4-A	Lab Control Sample Dup	93.6	83.1	90.9	94.3	82.5	91.1	98.7	93.8
LLCS 320-858067/2-A	Lab Control Sample	78.4	69.0	103	97.1	90.8	91.8	103	96.9
MB 320-858067/1-A	Method Blank	80.7	78.0	91.8	94.9	86.2	81.5	93.1	88.8

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		M242FTS	M262FTS	M282FTS	HFPODA	NMFM	NEFM	d5NPFSA	d3NMFSA
Lab Sample ID	Client Sample ID	(40-200)	(40-200)	(40-300)	(40-130)	(10-130)	(10-130)	(10-130)	(10-130)
885-26174-1	RG-SOUTH20250605			141			83.8	90.5	87.5
885-26174-1 - RA	RG-SOUTH20250605	116	110		114	72.0			
LCS 320-858067/3-A	Lab Control Sample	90.5	84.3	91.3	101	92.3	77.8	82.8	74.3
LCSD 320-858067/4-A	Lab Control Sample Dup	89.5	93.6	92.5	110	88.6	81.0	79.9	73.3
LLCS 320-858067/2-A	Lab Control Sample	90.2	99.0	88.8	97.1	93.2	79.0	79.7	70.2
MB 320-858067/1-A	Method Blank	103	90.4	82.0	100	85.6	71.5	76.0	69.3

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFDoA = 13C2 PFDoA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = 13C2 4:2 FTS
M262FTS = 13C2 6:2 FTS
M282FTS = 13C2 8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA

Isotope Dilution Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

d3NMFSA = d3-NMePFOSA

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

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

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB1L	PCB3L	PCB4L	PCB15L	PCB19L	PCB37L	PCB54L	PCB77L
Lab Sample ID	Client Sample ID	(15-150)	(15-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)
885-26174-1	RG-SOUTH20250605	69	65	67	59	64	56	51	53
MB 320-858301/1-A	Method Blank	69	65	68	62	66	64	66	58

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB81L	PCB104L	PCB105L	PCB114L	PCB118L	PCB123L	PCB126L	PCB155L
Lab Sample ID	Client Sample ID	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)
885-26174-1	RG-SOUTH20250605	56	49	57	56	56	54	63	43
MB 320-858301/1-A	Method Blank	64	67	73	70	72	70	73	61

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB156L	156157L	PCB157L	PCB167L	PCB169L	PCB188L	PCB189L	PCB202L
Lab Sample ID	Client Sample ID	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)
885-26174-1	RG-SOUTH20250605	55	55	55	53	57	44	57	52
MB 320-858301/1-A	Method Blank	70	70	70	68	69	59	71	68

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB205L	PCB206L	PCB208L	PCB209L				
Lab Sample ID	Client Sample ID	(25-150)	(25-150)	(25-150)	(25-150)				
885-26174-1	RG-SOUTH20250605	67	68	62	64				
MB 320-858301/1-A	Method Blank	80	81	68	76				

Surrogate Legend

PCB1L = PCB-1L
PCB3L = PCB-3L
PCB4L = PCB-4L
PCB15L = PCB-15L
PCB19L = PCB-19L
PCB37L = PCB-37L
PCB54L = PCB-54L
PCB77L = PCB-77L
PCB81L = PCB-81L
PCB104L = PCB-104L
PCB105L = PCB-105L
PCB114L = PCB-114L
PCB118L = PCB-118L
PCB123L = PCB-123L
PCB126L = PCB-126L
PCB155L = PCB-155L
PCB156L = PCB-156L
156157L = PCB-156L/157L
PCB157L = PCB-157L
PCB167L = PCB-167L
PCB169L = PCB-169L
PCB188L = PCB-188L
PCB189L = PCB-189L
PCB202L = PCB-202L
PCB205L = PCB-205L
PCB206L = PCB-206L
PCB208L = PCB-208L
PCB209L = PCB-209L

Isotope Dilution Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

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

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB1L	PCB3L	PCB4L	PCB15L	PCB19L	PCB37L	PCB54L	PCB77L
Lab Sample ID	Client Sample ID	(15-140)	(15-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)
LCS 320-858301/2-A	Lab Control Sample	76	71	72	68	69	77	70	67
LCSD 320-858301/3-A	Lab Control Sample Dup	71	67	67	60	65	66	63	63

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB81L	PCB104L	PCB105L	PCB114L	PCB118L	PCB123L	PCB126L	PCB155L
Lab Sample ID	Client Sample ID	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)
LCS 320-858301/2-A	Lab Control Sample	74	74	78	78	76	74	81	64
LCSD 320-858301/3-A	Lab Control Sample Dup	68	63	70	71	70	68	76	52

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB156L	156157L	PCB157L	PCB167L	PCB169L	PCB188L	PCB189L	PCB202L
Lab Sample ID	Client Sample ID	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)	(30-140)
LCS 320-858301/2-A	Lab Control Sample	73	73	73	73	76	61	77	72
LCSD 320-858301/3-A	Lab Control Sample Dup	69	69	69	65	72	53	72	60

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB205L	PCB206L	PCB208L	PCB209L				
Lab Sample ID	Client Sample ID	(30-140)	(30-140)	(30-140)	(30-140)				
LCS 320-858301/2-A	Lab Control Sample	89	92	80	84				
LCSD 320-858301/3-A	Lab Control Sample Dup	86	87	73	81				

Surrogate Legend

PCB1L = PCB-1L
PCB3L = PCB-3L
PCB4L = PCB-4L
PCB15L = PCB-15L
PCB19L = PCB-19L
PCB37L = PCB-37L
PCB54L = PCB-54L
PCB77L = PCB-77L
PCB81L = PCB-81L
PCB104L = PCB-104L
PCB105L = PCB-105L
PCB114L = PCB-114L
PCB118L = PCB-118L
PCB123L = PCB-123L
PCB126L = PCB-126L
PCB155L = PCB-155L
PCB156L = PCB-156L
156157L = PCB-156L/157L
PCB157L = PCB-157L
PCB167L = PCB-167L
PCB169L = PCB-169L
PCB188L = PCB-188L
PCB189L = PCB-189L
PCB202L = PCB-202L
PCB205L = PCB-205L
PCB206L = PCB-206L
PCB208L = PCB-208L
PCB209L = PCB-209L

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

Lab Sample ID: MB 860-241668/10
Matrix: Water
Analysis Batch: 241668

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	ND		0.010	0.0018	mg/L			06/11/25 10:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*63 - 144*		*06/11/25 10:31*	*1*
4-Bromofluorobenzene (Surr)	*89*		*74 - 124*		*06/11/25 10:31*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 131*		*06/11/25 10:31*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*06/11/25 10:31*	*1*

Lab Sample ID: LCS 860-241668/3
Matrix: Water
Analysis Batch: 241668

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Tetrahydrofuran			0.100	0.0902		mg/L		90	75 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*63 - 144*
4-Bromofluorobenzene (Surr)	*94*		*74 - 124*
Dibromofluoromethane (Surr)	*92*		*75 - 131*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: LCSD 860-241668/4
Matrix: Water
Analysis Batch: 241668

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Tetrahydrofuran			0.100	0.0891		mg/L		89	75 - 125	1	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*63 - 144*
4-Bromofluorobenzene (Surr)	*96*		*74 - 124*
Dibromofluoromethane (Surr)	*92*		*75 - 131*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: 885-26174-1 MS
Matrix: Water
Analysis Batch: 241668

Client Sample ID: RG-SOUTH20250605
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Tetrahydrofuran	ND	H	0.100	0.0900		mg/L		90	75 - 125		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*63 - 144*
4-Bromofluorobenzene (Surr)	*92*		*74 - 124*
Dibromofluoromethane (Surr)	*91*		*75 - 131*
Toluene-d8 (Surr)	*97*		*80 - 120*

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

Lab Sample ID: MB 860-241774/1-A
Matrix: Water
Analysis Batch: 242037

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 241774

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzidine	ND		2.9	0.45	ug/L		06/11/25 13:00	06/12/25 21:31	1
Benzo[a]anthracene	ND		0.29	0.082	ug/L		06/11/25 13:00	06/12/25 21:31	1
Benzo[a]pyrene	ND		0.29	0.070	ug/L		06/11/25 13:00	06/12/25 21:31	1
3,4-Benzofluoranthene	ND		0.57	0.066	ug/L		06/11/25 13:00	06/12/25 21:31	1
Bis(2-ethylhexyl) phthalate	ND		2.9	1.4	ug/L		06/11/25 13:00	06/12/25 21:31	1
Chrysene	ND		0.57	0.082	ug/L		06/11/25 13:00	06/12/25 21:31	1
Dibenz(a,h)anthracene	ND		0.11	0.051	ug/L		06/11/25 13:00	06/12/25 21:31	1
Dibenzofuran	ND		0.57	0.11	ug/L		06/11/25 13:00	06/12/25 21:31	1
Indeno[1,2,3-cd]pyrene	ND		0.57	0.10	ug/L		06/11/25 13:00	06/12/25 21:31	1
Pentachlorophenol	ND		0.57	0.20	ug/L		06/11/25 13:00	06/12/25 21:31	1
Benzo[k]fluoranthene	ND		0.57	0.047	ug/L		06/11/25 13:00	06/12/25 21:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*43 - 130*	*06/11/25 13:00*	*06/12/25 21:31*	*1*
2-Fluorophenol (Surr)	*80*		*19 - 120*	*06/11/25 13:00*	*06/12/25 21:31*	*1*
Nitrobenzene-d5 (Surr)	*61*		*37 - 133*	*06/11/25 13:00*	*06/12/25 21:31*	*1*
Phenol-d5 (Surr)	*51*		*8 - 124*	*06/11/25 13:00*	*06/12/25 21:31*	*1*
p-Terphenyl-d14 (Surr)	*77*		*47 - 130*	*06/11/25 13:00*	*06/12/25 21:31*	*1*
2,4,6-Tribromophenol (Surr)	*54*		*35 - 130*	*06/11/25 13:00*	*06/12/25 21:31*	*1*

Lab Sample ID: LCS 860-241774/2-A
Matrix: Water
Analysis Batch: 242037

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 241774

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzidine			5.71	1.53	J	ug/L		27	5 - 100		
Benzo[a]anthracene			5.71	4.25		ug/L		74	33 - 143		
Benzo[a]pyrene			5.71	4.17		ug/L		73	17 - 163		
3,4-Benzofluoranthene			5.71	4.05		ug/L		71	24 - 159		
Bis(2-ethylhexyl) phthalate			5.71	3.24		ug/L		57	8 - 158		
Chrysene			5.71	3.89		ug/L		68	17 - 168		
Dibenz(a,h)anthracene			5.71	4.44		ug/L		78	50 - 227		
Dibenzofuran			5.71	3.90		ug/L		68	52 - 139		
Indeno[1,2,3-cd]pyrene			5.71	4.24		ug/L		74	46 - 171		
Pentachlorophenol			5.71	4.07		ug/L		71	14 - 176		
Benzo[k]fluoranthene			5.71	4.00		ug/L		70	11 - 162		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*71*		*43 - 130*
2-Fluorophenol (Surr)	*72*		*19 - 120*
Nitrobenzene-d5 (Surr)	*64*		*37 - 133*
Phenol-d5 (Surr)	*52*		*8 - 124*
p-Terphenyl-d14 (Surr)	*73*		*47 - 130*
2,4,6-Tribromophenol (Surr)	*73*		*35 - 130*

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

Lab Sample ID: LCSD 860-241774/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 242037
Prep Batch: 241774

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzidine			5.71	1.45	J	ug/L		25	5 - 100	5	30
Benzo[a]anthracene			5.71	4.05		ug/L		71	33 - 143	5	30
Benzo[a]pyrene			5.71	3.90		ug/L		68	17 - 163	7	30
3,4-Benzofluoranthene			5.71	3.95		ug/L		69	24 - 159	2	30
Bis(2-ethylhexyl) phthalate			5.71	3.27		ug/L		57	8 - 158	1	30
Chrysene			5.71	3.80		ug/L		66	17 - 168	2	30
Dibenz(a,h)anthracene			5.71	4.17		ug/L		73	50 - 227	6	30
Dibenzofuran			5.71	3.75		ug/L		66	52 - 139	4	30
Indeno[1,2,3-cd]pyrene			5.71	4.15		ug/L		73	46 - 171	2	30
Pentachlorophenol			5.71	4.71		ug/L		82	14 - 176	15	30
Benzo[k]fluoranthene			5.71	3.96		ug/L		69	11 - 162	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*70*		*43 - 130*
2-Fluorophenol (Surr)	*68*		*19 - 120*
Nitrobenzene-d5 (Surr)	*63*		*37 - 133*
Phenol-d5 (Surr)	*51*		*8 - 124*
p-Terphenyl-d14 (Surr)	*71*		*47 - 130*
2,4,6-Tribromophenol (Surr)	*68*		*35 - 130*

Method: 608.3 - Organochlorine Pesticides/PCBs in Water

Lab Sample ID: MB 860-241782/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 241937
Prep Batch: 241782

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	ND		0.000066	0.000023	mg/L		06/11/25 13:36	06/12/25 14:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 115*	*06/11/25 13:36*	*06/12/25 14:51*	*1*
Tetrachloro-m-xylene	*98*		*41 - 110*	*06/11/25 13:36*	*06/12/25 14:51*	*1*

Lab Sample ID: LCS 860-241782/14-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 241937
Prep Batch: 241782

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Dieldrin			0.00160	0.00201	*+	mg/L		126	52 - 102		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*61*	*p*	*45 - 115*
Tetrachloro-m-xylene	*123*	*S1+*	*41 - 110*

Method: 608.3 - Organochlorine Pesticides/PCBs in Water (Continued)

Lab Sample ID: LCSD 860-241782/15-A
Matrix: Water
Analysis Batch: 241937

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 241782

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dieldrin			0.00164	0.00189	*+	mg/L		115	52 - 102	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 115*
Tetrachloro-m-xylene	*102*		*41 - 110*

Method: 218.6 - Chromium, Hexavalent (Ion Chromatography)

Lab Sample ID: MB 570-582393/35
Matrix: Water
Analysis Batch: 582393

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		0.20	0.051	ug/L			06/11/25 06:18	1

Lab Sample ID: LCS 570-582393/36
Matrix: Water
Analysis Batch: 582393

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chromium, hexavalent			50.1	49.7		ug/L		99	95 - 107		

Lab Sample ID: LCSD 570-582393/37
Matrix: Water
Analysis Batch: 582393

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent			50.1	50.0		ug/L		100	95 - 107	1	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-27716/4
Matrix: Water
Analysis Batch: 27716

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate	ND		0.10	0.020	mg/L			06/06/25 08:13	1
Nitrite	ND		0.10	0.012	mg/L			06/06/25 08:13	1
Nitrate Nitrite as N	ND		0.20	0.022	mg/L			06/06/25 08:13	1

Lab Sample ID: LCS 885-27716/5
Matrix: Water
Analysis Batch: 27716

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate			2.50	2.53		mg/L		101	90 - 110		
Nitrite			1.00	0.963		mg/L		96	90 - 110		
Nitrate Nitrite as N			3.50	3.49		mg/L		100	90 - 110		

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Lab Sample ID: MB 320-858067/1-A
Matrix: Water
Analysis Batch: 858281

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 858067

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.0	1.0	ng/L		06/17/25 12:29	06/18/25 09:45	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.50	ng/L		06/17/25 12:29	06/18/25 09:45	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.50	ng/L		06/17/25 12:29	06/18/25 09:45	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.50	ng/L		06/17/25 12:29	06/18/25 09:45	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.50	ng/L		06/17/25 12:29	06/18/25 09:45	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.50	ng/L		06/17/25 12:29	06/18/25 09:45	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.50	ng/L		06/17/25 12:29	06/18/25 09:45	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.50	ng/L		06/17/25 12:29	06/18/25 09:45	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.55	ng/L		06/17/25 12:29	06/18/25 09:45	1
Perfluorotridecanoic acid (PFTrDA)	ND		2.0	0.58	ng/L		06/17/25 12:29	06/18/25 09:45	1
Perfluorotetradecanoic acid (PFTeDA)	ND		2.0	0.81	ng/L		06/17/25 12:29	06/18/25 09:45	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.50	ng/L		06/17/25 12:29	06/18/25 09:45	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.50	ng/L		06/17/25 12:29	06/18/25 09:45	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.50	ng/L		06/17/25 12:29	06/18/25 09:45	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.50	ng/L		06/17/25 12:29	06/18/25 09:45	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.50	ng/L		06/17/25 12:29	06/18/25 09:45	1
Perfluorononanesulfonic acid (PFNS)	ND		2.0	0.50	ng/L		06/17/25 12:29	06/18/25 09:45	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.50	ng/L		06/17/25 12:29	06/18/25 09:45	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.53	ng/L		06/17/25 12:29	06/18/25 09:45	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		4.0	1.0	ng/L		06/17/25 12:29	06/18/25 09:45	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		4.0	1.0	ng/L		06/17/25 12:29	06/18/25 09:45	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		4.0	1.0	ng/L		06/17/25 12:29	06/18/25 09:45	1
Perfluorooctanesulfonamide (PFOSA)	ND		2.0	0.50	ng/L		06/17/25 12:29	06/18/25 09:45	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		2.0	0.50	ng/L		06/17/25 12:29	06/18/25 09:45	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		2.0	0.50	ng/L		06/17/25 12:29	06/18/25 09:45	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.0	0.50	ng/L		06/17/25 12:29	06/18/25 09:45	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.0	0.50	ng/L		06/17/25 12:29	06/18/25 09:45	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		10	2.5	ng/L		06/17/25 12:29	06/18/25 09:45	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		10	2.5	ng/L		06/17/25 12:29	06/18/25 09:45	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.5	0.39	ng/L		06/17/25 12:29	06/18/25 09:45	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.50	ng/L		06/17/25 12:29	06/18/25 09:45	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.50	ng/L		06/17/25 12:29	06/18/25 09:45	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.50	ng/L		06/17/25 12:29	06/18/25 09:45	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.72	ng/L		06/17/25 12:29	06/18/25 09:45	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		2.0	0.58	ng/L		06/17/25 12:29	06/18/25 09:45	1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 320-858067/1-A
Matrix: Water
Analysis Batch: 858281

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 858067

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.50	ng/L		06/17/25 12:29	06/18/25 09:45	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.50	ng/L		06/17/25 12:29	06/18/25 09:45	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		4.0	1.0	ng/L		06/17/25 12:29	06/18/25 09:45	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		10	2.5	ng/L		06/17/25 12:29	06/18/25 09:45	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		10	2.5	ng/L		06/17/25 12:29	06/18/25 09:45	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*89.7*		*5 - 130*	*06/17/25 12:29*	*06/18/25 09:45*	*1*
13C5 PFPeA	*102*		*40 - 130*	*06/17/25 12:29*	*06/18/25 09:45*	*1*
13C5 PFHxA	*120*		*40 - 130*	*06/17/25 12:29*	*06/18/25 09:45*	*1*
13C4 PFHpA	*100*		*40 - 130*	*06/17/25 12:29*	*06/18/25 09:45*	*1*
13C8 PFOA	*91.2*		*40 - 130*	*06/17/25 12:29*	*06/18/25 09:45*	*1*
13C9 PFNA	*87.8*		*40 - 130*	*06/17/25 12:29*	*06/18/25 09:45*	*1*
13C6 PFDA	*100*		*40 - 130*	*06/17/25 12:29*	*06/18/25 09:45*	*1*
13C7 PFUnA	*94.0*		*30 - 130*	*06/17/25 12:29*	*06/18/25 09:45*	*1*
13C2 PFDoA	*80.7*		*10 - 130*	*06/17/25 12:29*	*06/18/25 09:45*	*1*
13C2 PFTeDA	*78.0*		*10 - 130*	*06/17/25 12:29*	*06/18/25 09:45*	*1*
13C3 PFBS	*91.8*		*40 - 135*	*06/17/25 12:29*	*06/18/25 09:45*	*1*
13C3 PFHxS	*94.9*		*40 - 130*	*06/17/25 12:29*	*06/18/25 09:45*	*1*
13C8 PFOS	*86.2*		*40 - 130*	*06/17/25 12:29*	*06/18/25 09:45*	*1*
13C8 FOSA	*81.5*		*40 - 130*	*06/17/25 12:29*	*06/18/25 09:45*	*1*
d3-NMeFOSAA	*93.1*		*40 - 170*	*06/17/25 12:29*	*06/18/25 09:45*	*1*
d5-NEtFOSAA	*88.8*		*25 - 135*	*06/17/25 12:29*	*06/18/25 09:45*	*1*
13C2 4:2 FTS	*103*		*40 - 200*	*06/17/25 12:29*	*06/18/25 09:45*	*1*
13C2 6:2 FTS	*90.4*		*40 - 200*	*06/17/25 12:29*	*06/18/25 09:45*	*1*
13C2 8:2 FTS	*82.0*		*40 - 300*	*06/17/25 12:29*	*06/18/25 09:45*	*1*
13C3 HFPO-DA	*100*		*40 - 130*	*06/17/25 12:29*	*06/18/25 09:45*	*1*
d7-N-MeFOSE-M	*85.6*		*10 - 130*	*06/17/25 12:29*	*06/18/25 09:45*	*1*
d9-N-EtFOSE-M	*71.5*		*10 - 130*	*06/17/25 12:29*	*06/18/25 09:45*	*1*
d5-NEtPFOSA	*76.0*		*10 - 130*	*06/17/25 12:29*	*06/18/25 09:45*	*1*
d3-NMePFOSA	*69.3*		*10 - 130*	*06/17/25 12:29*	*06/18/25 09:45*	*1*

Lab Sample ID: LCS 320-858067/3-A
Matrix: Water
Analysis Batch: 858281

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 858067

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	80.0	80.4		ng/L		101	70 - 140
Perfluoropentanoic acid (PFPeA)	40.0	40.6		ng/L		101	65 - 135
Perfluorohexanoic acid (PFHxA)	40.0	36.4		ng/L		91	70 - 145
Perfluoroheptanoic acid (PFHpA)	40.0	40.7		ng/L		102	70 - 150
Perfluorooctanoic acid (PFOA)	40.0	37.5		ng/L		94	70 - 150
Perfluorononanoic acid (PFNA)	40.0	32.8		ng/L		82	70 - 150
Perfluorodecanoic acid (PFDA)	40.0	40.1		ng/L		100	70 - 140

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 320-858067/3-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 858281
Prep Batch: 858067

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroundecanoic acid (PFUnA)	40.0	33.3		ng/L		83	70 - 145
Perfluorododecanoic acid (PFDoA)	40.0	42.6		ng/L		107	70 - 140
Perfluorotridecanoic acid (PFTrDA)	40.0	41.5		ng/L		104	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	40.0	42.9		ng/L		107	60 - 140
Perfluorobutanesulfonic acid (PFBS)	35.5	26.4		ng/L		74	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	37.6	33.5		ng/L		89	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	36.5	29.3		ng/L		80	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	38.2	41.2		ng/L		108	70 - 150
Perfluorooctanesulfonic acid (PFOS)	37.2	34.9		ng/L		94	55 - 150
Perfluorononanesulfonic acid (PFNS)	38.5	37.1		ng/L		96	65 - 145
Perfluorodecanesulfonic acid (PFDS)	38.6	34.9		ng/L		91	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	38.8	31.0		ng/L		80	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	75.0	76.8		ng/L		102	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	76.2	67.1		ng/L		88	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	76.8	72.1		ng/L		94	60 - 150
Perfluorooctanesulfonamide (PFOSA)	40.0	40.0		ng/L		100	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	40.0	44.1		ng/L		110	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	40.0	37.3		ng/L		93	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	37.0		ng/L		93	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	35.3		ng/L		88	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	200	177		ng/L		88	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	200	204		ng/L		102	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	30.0	26.7		ng/L		89	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	30.9		ng/L		82	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	40.0	35.2		ng/L		88	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	40.0	40.4		ng/L		101	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	40.0	39.0		ng/L		97	50 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 320-858067/3-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 858281
Prep Batch: 858067

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)			37.4	29.1		ng/L		78	70 - 155		
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)			37.8	27.2		ng/L		72	55 - 160		
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)			35.7	30.2		ng/L		85	70 - 140		
3-Perfluoropropylpropanoic acid (3:3 FTCA)			80.0	76.2		ng/L		95	65 - 130		
3-Perfluoropentylpropanoic acid (5:3 FTCA)			200	189		ng/L		95	70 - 135		
3-Perfluoroheptylpropanoic acid (7:3 FTCA)			200	178		ng/L		89	50 - 145		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*93.6*		*5 - 130*
13C5 PFPeA	*94.6*		*40 - 130*
13C5 PFHxA	*96.4*		*40 - 130*
13C4 PFHpA	*95.1*		*40 - 130*
13C8 PFOA	*93.7*		*40 - 130*
13C9 PFNA	*83.3*		*40 - 130*
13C6 PFDA	*96.2*		*40 - 130*
13C7 PFUnA	*91.2*		*30 - 130*
13C2 PFDoA	*73.4*		*10 - 130*
13C2 PFTeDA	*67.5*		*10 - 130*
13C3 PFBS	*98.6*		*40 - 135*
13C3 PFHxS	*97.8*		*40 - 130*
13C8 PFOS	*89.8*		*40 - 130*
13C8 FOSA	*96.0*		*40 - 130*
d3-NMeFOSAA	*101*		*40 - 170*
d5-NEtFOSAA	*99.7*		*25 - 135*
13C2 4:2 FTS	*90.5*		*40 - 200*
13C2 6:2 FTS	*84.3*		*40 - 200*
13C2 8:2 FTS	*91.3*		*40 - 300*
13C3 HFPO-DA	*101*		*40 - 130*
d7-N-MeFOSE-M	*92.3*		*10 - 130*
d9-N-EtFOSE-M	*77.8*		*10 - 130*
d5-NEtPFOSA	*82.8*		*10 - 130*
d3-NMePFOSA	*74.3*		*10 - 130*

Lab Sample ID: LCSD 320-858067/4-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 858281
Prep Batch: 858067

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)			80.0	80.8		ng/L		101	70 - 140	1	30
Perfluoropentanoic acid (PFPeA)			40.0	38.0		ng/L		95	65 - 135	7	30
Perfluorohexanoic acid (PFHxA)			40.0	32.3		ng/L		81	70 - 145	12	30
Perfluoroheptanoic acid (PFHpA)			40.0	39.3		ng/L		98	70 - 150	3	30
Perfluorooctanoic acid (PFOA)			40.0	35.7		ng/L		89	70 - 150	5	30

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCSD 320-858067/4-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 858281
Prep Batch: 858067

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorononanoic acid (PFNA)	40.0	38.0		ng/L		95	70 - 150	15	30
Perfluorodecanoic acid (PFDA)	40.0	40.4		ng/L		101	70 - 140	1	30
Perfluoroundecanoic acid (PFUnA)	40.0	37.4		ng/L		94	70 - 145	12	30
Perfluorododecanoic acid (PFDoA)	40.0	42.1		ng/L		105	70 - 140	1	30
Perfluorotridecanoic acid (PFTrDA)	40.0	40.6		ng/L		101	65 - 140	2	30
Perfluorotetradecanoic acid (PFTeDA)	40.0	40.8		ng/L		102	60 - 140	5	30
Perfluorobutanesulfonic acid (PFBS)	35.5	28.4		ng/L		80	60 - 145	7	30
Perfluoropentanesulfonic acid (PFPeS)	37.6	33.5		ng/L		89	65 - 140	0	30
Perfluorohexanesulfonic acid (PFHxS)	36.5	28.8		ng/L		79	65 - 145	1	30
Perfluoroheptanesulfonic acid (PFHpS)	38.2	40.8		ng/L		107	70 - 150	1	30
Perfluorooctanesulfonic acid (PFOS)	37.2	37.3		ng/L		100	55 - 150	7	30
Perfluorononanesulfonic acid (PFNS)	38.5	37.1		ng/L		96	65 - 145	0	30
Perfluorodecanesulfonic acid (PFDS)	38.6	35.9		ng/L		93	60 - 145	3	30
Perfluorododecanesulfonic acid (PFDoS)	38.8	34.4		ng/L		89	50 - 145	10	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	75.0	78.9		ng/L		105	70 - 145	3	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	76.2	66.1		ng/L		87	65 - 155	1	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	76.8	72.8		ng/L		95	60 - 150	1	30
Perfluorooctanesulfonamide (PFOSA)	40.0	41.3		ng/L		103	70 - 145	3	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	40.0	43.5		ng/L		109	60 - 150	1	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	40.0	38.8		ng/L		97	65 - 145	4	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	36.6		ng/L		91	50 - 140	1	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	37.0		ng/L		92	70 - 145	5	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	200	191		ng/L		95	70 - 145	7	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	200	201		ng/L		101	70 - 135	1	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	30.0	27.0		ng/L		90	70 - 140	1	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	30.2		ng/L		80	65 - 145	3	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	40.0	35.2		ng/L		88	55 - 140	0	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	40.0	37.1		ng/L		93	60 - 150	9	30

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCSD 320-858067/4-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 858281
Prep Batch: 858067

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)			40.0	28.3	*1	ng/L		71	50 - 150	32	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)			37.4	30.7		ng/L		82	70 - 155	5	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)			37.8	28.4		ng/L		75	55 - 160	4	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)			35.7	29.0		ng/L		81	70 - 140	4	30
3-Perfluoropropylpropanoic acid (3:3 FTCA)			80.0	75.2		ng/L		94	65 - 130	1	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)			200	181		ng/L		91	70 - 135	5	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)			200	164		ng/L		82	50 - 145	8	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C4 PFBA	*86.8*		*5 - 130*
13C5 PFPeA	*107*		*40 - 130*
13C5 PFHxA	*112*		*40 - 130*
13C4 PFHpA	*93.3*		*40 - 130*
13C8 PFOA	*97.2*		*40 - 130*
13C9 PFNA	*94.8*		*40 - 130*
13C6 PFDA	*105*		*40 - 130*
13C7 PFUnA	*103*		*30 - 130*
13C2 PFDoA	*93.6*		*10 - 130*
13C2 PFTeDA	*83.1*		*10 - 130*
13C3 PFBS	*90.9*		*40 - 135*
13C3 PFHxS	*94.3*		*40 - 130*
13C8 PFOS	*82.5*		*40 - 130*
13C8 FOSA	*91.1*		*40 - 130*
d3-NMeFOSAA	*98.7*		*40 - 170*
d5-NEtFOSAA	*93.8*		*25 - 135*
13C2 4:2 FTS	*89.5*		*40 - 200*
13C2 6:2 FTS	*93.6*		*40 - 200*
13C2 8:2 FTS	*92.5*		*40 - 300*
13C3 HFPO-DA	*110*		*40 - 130*
d7-N-MeFOSE-M	*88.6*		*10 - 130*
d9-N-EtFOSE-M	*81.0*		*10 - 130*
d5-NEtPFOSA	*79.9*		*10 - 130*
d3-NMePFOSA	*73.3*		*10 - 130*

Lab Sample ID: LLCS 320-858067/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 858281
Prep Batch: 858067

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)			8.00	8.50		ng/L		106	70 - 140
Perfluoropentanoic acid (PFPeA)			4.00	4.04		ng/L		101	65 - 135
Perfluorohexanoic acid (PFHxA)			4.00	3.60		ng/L		90	70 - 145

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 320-858067/2-A
Matrix: Water
Analysis Batch: 858281

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 858067

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroheptanoic acid (PFHpA)	4.00	4.25		ng/L		106	70 - 150
Perfluorooctanoic acid (PFOA)	4.00	3.86		ng/L		97	70 - 150
Perfluorononanoic acid (PFNA)	4.00	4.37		ng/L		109	70 - 150
Perfluorodecanoic acid (PFDA)	4.00	3.82		ng/L		96	70 - 140
Perfluoroundecanoic acid (PFUnA)	4.00	4.09		ng/L		102	70 - 145
Perfluorododecanoic acid (PFDoA)	4.00	4.89		ng/L		122	70 - 140
Perfluorotridecanoic acid (PFTrDA)	4.00	4.73		ng/L		118	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	4.00	4.80		ng/L		120	60 - 140
Perfluorobutanesulfonic acid (PFBS)	3.55	3.36		ng/L		94	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	3.76	3.62		ng/L		96	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	3.65	3.44		ng/L		94	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	3.82	3.95		ng/L		104	70 - 150
Perfluorooctanesulfonic acid (PFOS)	3.72	3.99		ng/L		107	55 - 150
Perfluorononanesulfonic acid (PFNS)	3.85	4.07		ng/L		106	65 - 145
Perfluorodecanesulfonic acid (PFDS)	3.86	3.76		ng/L		98	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	3.88	3.24		ng/L		83	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	7.50	9.55		ng/L		127	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.62	7.03		ng/L		92	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.68	6.79		ng/L		88	60 - 150
Perfluorooctanesulfonamide (PFOSA)	4.00	4.54		ng/L		113	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	4.00	4.76		ng/L		119	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	4.00	4.37		ng/L		109	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.00	4.05		ng/L		101	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.00	4.08		ng/L		102	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	20.0		ng/L		100	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	22.3		ng/L		111	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	3.00	2.98		ng/L		99	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.78	4.13		ng/L		109	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	3.92		ng/L		98	55 - 140

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 320-858067/2-A
Matrix: Water
Analysis Batch: 858281

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 858067

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	4.78		ng/L		120	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.00	4.62		ng/L		115	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	3.74	3.48		ng/L		93	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	3.78	3.20		ng/L		85	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	3.57	3.17		ng/L		89	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	8.00	8.13		ng/L		102	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	20.0	19.2		ng/L		96	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	20.0	16.8		ng/L		84	50 - 145

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA	*86.6*		*5 - 130*
13C5 PFPeA	*95.2*		*40 - 130*
13C5 PFHxA	*104*		*40 - 130*
13C4 PFHpA	*96.9*		*40 - 130*
13C8 PFOA	*94.9*		*40 - 130*
13C9 PFNA	*81.6*		*40 - 130*
13C6 PFDA	*103*		*40 - 130*
13C7 PFUnA	*94.4*		*30 - 130*
13C2 PFDoA	*78.4*		*10 - 130*
13C2 PFTeDA	*69.0*		*10 - 130*
13C3 PFBS	*103*		*40 - 135*
13C3 PFHxS	*97.1*		*40 - 130*
13C8 PFOS	*90.8*		*40 - 130*
13C8 FOSA	*91.8*		*40 - 130*
d3-NMeFOSAA	*103*		*40 - 170*
d5-NEtFOSAA	*96.9*		*25 - 135*
13C2 4:2 FTS	*90.2*		*40 - 200*
13C2 6:2 FTS	*99.0*		*40 - 200*
13C2 8:2 FTS	*88.8*		*40 - 300*
13C3 HFPO-DA	*97.1*		*40 - 130*
d7-N-MeFOSE-M	*93.2*		*10 - 130*
d9-N-EtFOSE-M	*79.0*		*10 - 130*
d5-NEtPFOSA	*79.7*		*10 - 130*
d3-NMePFOSA	*70.2*		*10 - 130*

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Lab Sample ID: MB 320-858301/1-A
Matrix: Water
Analysis Batch: 859381

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 858301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	ND		20	2.8	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-2	ND		200	4.4	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-3	ND		60	7.1	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-4	ND		40	5.2	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-5	ND		200	11	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-6	ND		200	4.1	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-7	ND		200	5.5	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-8	ND		200	7.6	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-9	ND		200	3.0	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-10	ND		200	4.9	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-11	22.6	J q	200	16	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-12	ND		400	8.6	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-13	ND		400	8.6	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-14	ND		200	3.5	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-15	ND		40	3.7	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-16	ND		200	6.8	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-17	ND		200	3.6	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-18	ND		400	4.2	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-19	ND		20	9.4	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-20	ND		400	21	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-21	ND		400	15	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-22	ND		200	3.4	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-23	ND		200	8.0	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-24	ND		200	2.9	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-25	ND		200	4.2	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-26	ND		400	9.4	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-27	ND		200	9.7	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-28	ND		400	21	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-29	ND		400	9.4	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-30	ND		400	4.2	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-31	ND		200	5.8	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-32	ND		200	3.7	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-33	ND		400	15	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-34	ND		200	6.0	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-35	ND		200	3.5	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-36	ND		200	5.7	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-37	ND		20	5.6	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-38	ND		200	13	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-39	ND		200	10	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-40	ND		400	12	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-41	ND		200	8.4	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-42	ND		200	8.2	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-43	ND		200	11	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-44	ND		600	16	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-45	ND		400	7.7	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-46	ND		200	3.5	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-47	ND		600	16	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-48	ND		200	4.7	pg/L		06/18/25 09:51	06/24/25 00:22	1

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-858301/1-A
Matrix: Water
Analysis Batch: 859381

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 858301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-49	ND		400	5.5	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-50	ND		400	11	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-51	ND		400	7.7	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-52	ND		200	4.3	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-53	ND		400	11	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-54	ND		20	8.3	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-55	ND		200	7.6	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-56	ND		200	6.6	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-57	ND		200	4.6	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-58	ND		200	6.9	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-59	ND		600	12	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-60	ND		200	4.0	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-61	ND		800	20	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-62	ND		600	12	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-63	ND		200	10	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-64	ND		200	3.8	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-65	ND		600	16	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-66	ND		200	10	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-67	ND		200	13	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-68	ND		200	9.2	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-69	ND		400	5.5	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-70	ND		800	20	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-71	ND		400	12	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-72	ND		200	7.0	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-73	ND		200	5.3	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-74	ND		800	20	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-75	ND		600	12	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-76	ND		800	20	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-77	ND		20	6.5	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-78	ND		200	4.7	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-79	ND		200	8.1	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-80	ND		200	8.1	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-81	ND		20	5.1	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-82	ND		200	6.2	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-83	ND		400	9.4	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-84	ND		200	9.8	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-85	ND		600	16	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-86	ND		1200	29	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-87	ND		1200	29	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-88	ND		400	8.9	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-89	ND		200	8.3	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-90	ND		600	17	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-91	ND		400	8.9	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-92	ND		200	2.6	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-93	ND		400	10	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-94	ND		200	10	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-95	ND		200	11	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-96	ND		200	15	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-97	ND		1200	29	pg/L		06/18/25 09:51	06/24/25 00:22	1

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-858301/1-A
Matrix: Water
Analysis Batch: 859381

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 858301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-98	ND		400	14	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-99	ND		400	9.4	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-100	ND		400	10	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-101	ND		600	17	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-102	ND		400	14	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-103	ND		200	8.7	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-104	ND		20	4.5	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-105	ND		20	9.2	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-106	ND		200	8.3	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-107	ND		200	4.2	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-108	ND		400	10	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-109	ND		1200	33	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-110	ND		400	14	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-111	ND		200	2.8	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-112	ND		200	6.3	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-113	ND		600	17	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-114	ND		20	3.4	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-115	ND		400	14	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-116	ND		600	16	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-117	ND		600	16	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-118	ND		20	8.9	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-119	ND		1200	29	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-120	ND		200	5.6	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-121	ND		200	11	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-122	ND		200	2.1	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-123	ND		20	9.8	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-124	ND		400	10	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-125	ND		1200	29	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-126	ND		20	5.1	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-127	ND		200	2.3	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-128	ND		400	9.9	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-129	ND		800	16	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-130	ND		200	11	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-131	ND		200	5.5	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-132	ND		200	4.9	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-133	ND		200	10	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-134	ND		400	15	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-135	9.87	J q	400	9.8	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-136	ND		200	6.1	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-137	ND		200	5.9	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-138	ND		800	16	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-139	ND		400	9.3	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-140	ND		400	9.3	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-141	ND		200	7.3	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-142	ND		200	12	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-143	ND		400	15	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-144	ND		200	6.2	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-145	ND		200	4.2	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-146	ND		200	7.2	pg/L		06/18/25 09:51	06/24/25 00:22	1

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-858301/1-A
Matrix: Water
Analysis Batch: 859381

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 858301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-147	ND		400	9.3	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-148	ND		200	6.6	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-149	ND		400	9.3	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-150	ND		200	11	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-151	9.87	J q	400	9.8	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-152	ND		200	5.5	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-153	ND		400	9.3	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-154	ND		200	5.8	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-155	ND		20	5.8	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-156	ND		40	8.2	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-157	ND		40	8.2	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-158	ND		200	6.4	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-159	ND		200	6.3	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-160	ND		800	16	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-161	ND		200	5.0	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-162	ND		200	9.0	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-163	ND		800	16	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-164	ND		200	9.9	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-165	ND		200	5.0	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-166	ND		400	9.9	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-167	ND		20	7.7	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-168	ND		400	9.3	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-169	9.19	J q	20	3.3	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-170	ND		200	5.5	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-171	ND		400	9.2	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-172	ND		200	5.3	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-173	ND		400	9.2	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-174	ND		200	17	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-175	ND		200	3.9	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-176	ND		200	4.6	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-177	ND		200	3.2	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-178	ND		200	4.2	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-179	ND		200	6.3	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-180	ND		400	7.9	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-181	ND		200	4.5	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-182	ND		200	14	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-183	ND		200	6.3	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-184	ND		200	14	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-185	ND		200	12	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-186	ND		200	15	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-187	ND		200	6.9	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-188	ND		20	10	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-189	ND		20	16	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-190	ND		200	2.6	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-191	ND		200	3.0	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-192	ND		200	4.4	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-193	ND		400	7.9	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-194	ND		200	8.8	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-195	ND		200	18	pg/L		06/18/25 09:51	06/24/25 00:22	1

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-858301/1-A
Matrix: Water
Analysis Batch: 859381

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 858301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-196	ND		200	3.1	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-197	ND		200	14	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-198	ND		400	7.8	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-199	ND		400	7.8	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-200	ND		200	5.9	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-201	ND		200	13	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-202	ND		20	3.8	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-203	ND		200	4.9	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-204	ND		200	13	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-205	ND		20	4.1	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-206	ND		20	8.3	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-207	ND		200	5.4	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-208	ND		20	3.8	pg/L		06/18/25 09:51	06/24/25 00:22	1
PCB-209	ND		20	11	pg/L		06/18/25 09:51	06/24/25 00:22	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*69*		*15 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-3L	*65*		*15 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-4L	*68*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-15L	*62*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-19L	*66*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-37L	*64*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-54L	*66*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-77L	*58*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-81L	*64*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-104L	*67*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-105L	*73*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-114L	*70*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-118L	*72*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-123L	*70*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-126L	*73*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-155L	*61*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-156L	*70*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-156L/157L	*70*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-157L	*70*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-167L	*68*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-169L	*69*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-188L	*59*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-189L	*71*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-202L	*68*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-205L	*80*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-206L	*81*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-208L	*68*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-209L	*76*		*25 - 150*	*06/18/25 09:51*	*06/24/25 00:22*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*71*		*30 - 135*	*06/18/25 09:51*	*06/24/25 00:22*	*1*
PCB-111L	*76*		*30 - 135*	*06/18/25 09:51*	*06/24/25 00:22*	*1*

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-858301/1-A
Matrix: Water
Analysis Batch: 859381

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 858301

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-178L	83		30 - 135	06/18/25 09:51	06/24/25 00:22	1

Lab Sample ID: LCS 320-858301/2-A
Matrix: Water
Analysis Batch: 859381

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 858301

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1	2000	1980		pg/L		99	50 - 150
PCB-3	2000	1970		pg/L		98	50 - 150
PCB-4	2000	2170		pg/L		108	50 - 150
PCB-15	2000	1880		pg/L		94	50 - 150
PCB-19	2000	2130		pg/L		107	50 - 150
PCB-37	2000	2060		pg/L		103	50 - 150
PCB-54	2000	2300		pg/L		115	50 - 150
PCB-77	2000	2210		pg/L		110	50 - 150
PCB-81	2000	2160		pg/L		108	50 - 150
PCB-104	2000	2340		pg/L		117	50 - 150
PCB-105	2000	2000		pg/L		100	50 - 150
PCB-114	2000	2140		pg/L		107	50 - 150
PCB-118	2000	2010		pg/L		100	50 - 150
PCB-123	2000	2360		pg/L		118	50 - 150
PCB-126	2000	2140		pg/L		107	50 - 150
PCB-155	2000	2670		pg/L		134	50 - 150
PCB-156	4000	4050		pg/L		101	50 - 150
PCB-157	4000	4050		pg/L		101	50 - 150
PCB-167	2000	2040		pg/L		102	50 - 150
PCB-169	2000	2030		pg/L		101	50 - 150
PCB-188	2000	2110		pg/L		106	50 - 150
PCB-189	2000	2180		pg/L		109	50 - 150
PCB-202	2000	2150		pg/L		107	50 - 150
PCB-205	2000	2040		pg/L		102	50 - 150
PCB-206	2000	1710		pg/L		85	50 - 150
PCB-208	2000	2070		pg/L		104	50 - 150
PCB-209	2000	1930		pg/L		97	50 - 150

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
PCB-1L	76		15 - 140
PCB-3L	71		15 - 140
PCB-4L	72		30 - 140
PCB-15L	68		30 - 140
PCB-19L	69		30 - 140
PCB-37L	77		30 - 140
PCB-54L	70		30 - 140
PCB-77L	67		30 - 140
PCB-81L	74		30 - 140
PCB-104L	74		30 - 140
PCB-105L	78		30 - 140
PCB-114L	78		30 - 140

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-858301/2-A
Matrix: Water
Analysis Batch: 859381

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 858301

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
PCB-118L	76		30 - 140
PCB-123L	74		30 - 140
PCB-126L	81		30 - 140
PCB-155L	64		30 - 140
PCB-156L	73		30 - 140
PCB-156L/157L	73		30 - 140
PCB-157L	73		30 - 140
PCB-167L	73		30 - 140
PCB-169L	76		30 - 140
PCB-188L	61		30 - 140
PCB-189L	77		30 - 140
PCB-202L	72		30 - 140
PCB-205L	89		30 - 140
PCB-206L	92		30 - 140
PCB-208L	80		30 - 140
PCB-209L	84		30 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
PCB-28L	83		40 - 125
PCB-111L	80		40 - 125
PCB-178L	86		40 - 125

Lab Sample ID: LCSD 320-858301/3-A
Matrix: Water
Analysis Batch: 859381

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 858301

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1			2000	2010		pg/L		100	50 - 150	2	50
PCB-3			2000	2020		pg/L		101	50 - 150	2	50
PCB-4			2000	2250		pg/L		113	50 - 150	4	50
PCB-15			2000	1980		pg/L		99	50 - 150	5	50
PCB-19			2000	2140		pg/L		107	50 - 150	0	50
PCB-37			2000	2200		pg/L		110	50 - 150	6	50
PCB-54			2000	2350		pg/L		118	50 - 150	2	50
PCB-77			2000	2190		pg/L		109	50 - 150	1	50
PCB-81			2000	2190		pg/L		109	50 - 150	2	50
PCB-104			2000	2510		pg/L		126	50 - 150	7	50
PCB-105			2000	2070		pg/L		103	50 - 150	3	50
PCB-114			2000	2200		pg/L		110	50 - 150	3	50
PCB-118			2000	2040		pg/L		102	50 - 150	2	50
PCB-123			2000	2350		pg/L		118	50 - 150	0	50
PCB-126			2000	2160		pg/L		108	50 - 150	1	50
PCB-155			2000	2840		pg/L		142	50 - 150	6	50
PCB-156			4000	4010		pg/L		100	50 - 150	1	50
PCB-157			4000	4010		pg/L		100	50 - 150	1	50
PCB-167			2000	2140		pg/L		107	50 - 150	5	50
PCB-169			2000	2060		pg/L		103	50 - 150	1	50
PCB-188			2000	2170		pg/L		108	50 - 150	3	50

Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCSD 320-858301/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 859381
Prep Batch: 858301

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-189			2000	2230		pg/L		112	50 - 150	3	50
PCB-202			2000	2230		pg/L		112	50 - 150	4	50
PCB-205			2000	2030		pg/L		102	50 - 150	0	50
PCB-206			2000	1770		pg/L		89	50 - 150	4	50
PCB-208			2000	2060		pg/L		103	50 - 150	1	50
PCB-209			2000	1940		pg/L		97	50 - 150	1	50

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
PCB-1L	*71*		*15 - 140*
PCB-3L	*67*		*15 - 140*
PCB-4L	*67*		*30 - 140*
PCB-15L	*60*		*30 - 140*
PCB-19L	*65*		*30 - 140*
PCB-37L	*66*		*30 - 140*
PCB-54L	*63*		*30 - 140*
PCB-77L	*63*		*30 - 140*
PCB-81L	*68*		*30 - 140*
PCB-104L	*63*		*30 - 140*
PCB-105L	*70*		*30 - 140*
PCB-114L	*71*		*30 - 140*
PCB-118L	*70*		*30 - 140*
PCB-123L	*68*		*30 - 140*
PCB-126L	*76*		*30 - 140*
PCB-155L	*52*		*30 - 140*
PCB-156L	*69*		*30 - 140*
PCB-156L/157L	*69*		*30 - 140*
PCB-157L	*69*		*30 - 140*
PCB-167L	*65*		*30 - 140*
PCB-169L	*72*		*30 - 140*
PCB-188L	*53*		*30 - 140*
PCB-189L	*72*		*30 - 140*
PCB-202L	*60*		*30 - 140*
PCB-205L	*86*		*30 - 140*
PCB-206L	*87*		*30 - 140*
PCB-208L	*73*		*30 - 140*
PCB-209L	*81*		*30 - 140*

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
PCB-28L	*75*		*40 - 125*
PCB-111L	*74*		*40 - 125*
PCB-178L	*82*		*40 - 125*

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MRL 885-28033/13
Matrix: Water
Analysis Batch: 28033

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	0.500	0.519	J	mg/L		104	50 - 150
Magnesium	0.500	0.510	J	mg/L		102	50 - 150

Lab Sample ID: MB 885-27775/1-A
Matrix: Water
Analysis Batch: 28033

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 27775

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		1.0	0.42	mg/L		06/06/25 11:43	06/10/25 12:06	1
Magnesium	ND		1.0	0.064	mg/L		06/06/25 11:43	06/10/25 12:06	1

Lab Sample ID: LCS 885-27775/6-A
Matrix: Water
Analysis Batch: 28033

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 27775

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50.0	51.3		mg/L		103	85 - 115
Magnesium	50.0	51.2		mg/L		102	85 - 115

Lab Sample ID: LLCS 885-27775/5-A
Matrix: Water
Analysis Batch: 28033

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 27775

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	0.500	0.510	J	mg/L		102	50 - 150
Magnesium	0.500	0.511	J	mg/L		102	50 - 150

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 885-29006/42
Matrix: Water
Analysis Batch: 29006

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.00050	0.00034	mg/L			06/25/25 10:05	1
Copper	ND		0.00050	0.00030	mg/L			06/25/25 10:05	1

Lab Sample ID: LCS 885-29006/43
Matrix: Water
Analysis Batch: 29006

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.0125	0.0127		mg/L		101	85 - 115
Copper	0.0250	0.0246		mg/L		98	85 - 115

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 885-29006/99
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 29006

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	0.0125	0.0122		mg/L		98	85 - 115	4	20
Copper	0.0250	0.0261		mg/L		105	85 - 115	6	20

Lab Sample ID: MRL 885-29006/40
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 29006

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.000500	0.000500		mg/L		100	50 - 150

Lab Sample ID: MRL 885-29006/41
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 29006

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Copper	0.000500	0.000504		mg/L		101	50 - 150

Lab Sample ID: MRL 885-29041/18
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 29041

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.000500	0.000477	J	mg/L		95	50 - 150

Lab Sample ID: MRL 885-29041/19
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 29041

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Copper	0.000500	0.000457	J	mg/L		91	50 - 150

Lab Sample ID: MB 160-722346/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 723568
Prep Batch: 722346

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	ND		1.0	0.15	ug/L		06/13/25 13:21	06/19/25 16:22	2

Lab Sample ID: LCS 160-722346/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 723568
Prep Batch: 722346

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	1000	1030		ug/L		103	85 - 115

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: 885-26174-1 MS
Matrix: Water
Analysis Batch: 723568

Client Sample ID: RG-SOUTH20250605
Prep Type: Total/NA
Prep Batch: 722346

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	3.5		1000	1070		ug/L		106	70 - 130

Lab Sample ID: 885-26174-1 MSD
Matrix: Water
Analysis Batch: 723568

Client Sample ID: RG-SOUTH20250605
Prep Type: Total/NA
Prep Batch: 722346

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	3.5		1000	1040		ug/L		104	70 - 130	2	20

Method: 1664B - HEM and SGT-HEM

Lab Sample ID: MB 885-27844/1
Matrix: Water
Analysis Batch: 27844

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	ND		9.0	9.0	mg/L			06/09/25 08:07	1

Lab Sample ID: LCS 885-27844/2
Matrix: Water
Analysis Batch: 27844

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
HEM (Oil & Grease)	40.0	38.0		mg/L		95	78 - 114

Lab Sample ID: LCSD 885-27844/3
Matrix: Water
Analysis Batch: 27844

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
HEM (Oil & Grease)	40.0	40.6		mg/L		101	78 - 114	7	20

Lab Sample ID: MRL 885-27844/12
Matrix: Water
Analysis Batch: 27844

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
HEM (Oil & Grease)	8.00	8.40		mg/L		105	50 - 150

Lab Sample ID: MRL 885-27844/13
Matrix: Water
Analysis Batch: 27844

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
HEM (Oil & Grease)	8.00	8.00		mg/L		100	50 - 150

Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-28169/1
Matrix: Water
Analysis Batch: 28169

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		50	25	mg/L			06/12/25 12:14	1

Lab Sample ID: LCS 885-28169/2
Matrix: Water
Analysis Batch: 28169

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	994		mg/L		99	80 - 120

Lab Sample ID: MB 885-28620/1
Matrix: Water
Analysis Batch: 28620

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		50	25	mg/L			06/18/25 17:14	1

Lab Sample ID: LCS 885-28620/2
Matrix: Water
Analysis Batch: 28620

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	1000		mg/L		100	80 - 120

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MRL 885-28606/2-A
Matrix: Water
Analysis Batch: 28733

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 28606

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Total Kjeldahl	0.500	ND		mg/L		91	50 - 150

Lab Sample ID: MB 885-28662/3-A
Matrix: Water
Analysis Batch: 28733

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 28662

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Total Kjeldahl	ND		0.50	0.50	mg/L		06/19/25 11:34	06/20/25 10:11	1

Lab Sample ID: LCS 885-28662/5-A
Matrix: Water
Analysis Batch: 28733

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 28662

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Total Kjeldahl	10.0	9.30		mg/L		93	90 - 110

Method: 351.2 - Nitrogen, Total Kjeldahl (Continued)

Lab Sample ID: MRL 885-28662/4-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 28733
Prep Batch: 28662

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Total Kjeldahl	0.500	ND		mg/L		89	50 - 150

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 885-27970/3-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 28082
Prep Batch: 27970

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphorus as P	ND		0.050	0.050	mg/L		06/10/25 12:28	06/11/25 12:02	1

Lab Sample ID: LCS 885-27970/5-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 28082
Prep Batch: 27970

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	0.250	0.250		mg/L		100	90 - 110

Lab Sample ID: MRL 885-27970/4-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 28082
Prep Batch: 27970

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	0.0500	ND		mg/L		89	50 - 150

Lab Sample ID: MB 885-28279/3-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 28336
Prep Batch: 28279

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphorus as P	ND		0.050	0.050	mg/L		06/13/25 12:55	06/14/25 08:17	1

Lab Sample ID: LCS 885-28279/5-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 28336
Prep Batch: 28279

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	0.250	0.242		mg/L		97	90 - 110

Lab Sample ID: MRL 885-28279/4-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 28336
Prep Batch: 28279

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	0.0500	ND		mg/L		93	50 - 150

Method: 5210 B-2016 - BOD, 5-Day

Lab Sample ID: MB 192-35124/15-A
Matrix: Water
Analysis Batch: 35386
Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		2.0	1.0	mg/L			06/06/25 10:48	1

Lab Sample ID: MB 192-35386/10
Matrix: Water
Analysis Batch: 35386
Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		2.0	1.0	mg/L			06/06/25 10:53	1

Lab Sample ID: MB 192-35386/4
Matrix: Water
Analysis Batch: 35386
Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		2.0	1.0	mg/L			06/06/25 10:35	1

Lab Sample ID: USB 192-35386/1
Matrix: Water
Analysis Batch: 35386
Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	<0.2		0.0000013	0.00000067	mg/L			06/06/25 10:23	1

Lab Sample ID: LCS 192-35124/16-A
Matrix: Water
Analysis Batch: 35386
Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biochemical Oxygen Demand	200	186		mg/L		93	85 - 115

Lab Sample ID: LCS 192-35386/11
Matrix: Water
Analysis Batch: 35386
Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biochemical Oxygen Demand	200	186		mg/L		93	85 - 115

Lab Sample ID: LCS 192-35386/5
Matrix: Water
Analysis Batch: 35386
Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biochemical Oxygen Demand	200	209		mg/L		104	85 - 115

Method: 5220D - COD

Lab Sample ID: MB 885-28844/4
Matrix: Water
Analysis Batch: 28844

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		50	50	mg/L			06/19/25 13:17	1

Lab Sample ID: LCS 885-28844/5
Matrix: Water
Analysis Batch: 28844

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	500	512		mg/L		102	90 - 110

Lab Sample ID: MRL 885-28844/6
Matrix: Water
Analysis Batch: 28844

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	50.0	53.8		mg/L		108	50 - 150

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 885-28066/1
Matrix: Water
Analysis Batch: 28066

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			06/11/25 11:37	1

Lab Sample ID: LCSSRM 885-28066/2
Matrix: Water
Analysis Batch: 28066

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

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	103		mg/L		103.2	78.4 - 110.0

Method: SM 4500 NH3 C - Ammonia

Lab Sample ID: MB 885-28353/1-A
Matrix: Water
Analysis Batch: 28394

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 28353

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.67	0.28	mg/L		06/16/25 07:33	06/16/25 07:33	1

Lab Sample ID: LCS 885-28353/2-A
Matrix: Water
Analysis Batch: 28394

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 28353

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	10.0	9.80		mg/L		98	80 - 120

Method: 900.0 - Gross Alpha and Gross Beta Radioactivity

Lab Sample ID: MB 160-722499/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 723120
Prep Batch: 722499

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	1.081		0.699	0.710	3.00	1.01	pCi/L	06/16/25 08:06	06/18/25 07:52	1
Gross Beta	0.9580		0.593	0.601	4.00	0.876	pCi/L	06/16/25 08:06	06/18/25 07:52	1

Lab Sample ID: LCS 160-722499/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 723120
Prep Batch: 722499

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Gross Alpha	49.4	50.42		7.52	3.00	2.49	pCi/L	102	75 - 125

Lab Sample ID: LCSB 160-722499/3-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 723120
Prep Batch: 722499

Analyte	Spike Added	LCSB Result	LCSB Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Gross Beta	69.7	67.41		7.28	4.00	0.997	pCi/L	97	75 - 125

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

Lab Sample ID: MB 885-27712/1
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 27712

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	ND		1.0	1.0	MPN/100mL			06/05/25 16:56	1

GC/MS VOA

Analysis Batch: 241668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26174-1	RG-SOUTH20250605	Total/NA	Water	624.1	
MB 860-241668/10	Method Blank	Total/NA	Water	624.1	
LCS 860-241668/3	Lab Control Sample	Total/NA	Water	624.1	
LCSD 860-241668/4	Lab Control Sample Dup	Total/NA	Water	624.1	
885-26174-1 MS	RG-SOUTH20250605	Total/NA	Water	624.1	

GC/MS Semi VOA

Prep Batch: 241774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26174-1	RG-SOUTH20250605	Total/NA	Water	3511	
MB 860-241774/1-A	Method Blank	Total/NA	Water	3511	
LCS 860-241774/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 860-241774/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 242037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-241774/1-A	Method Blank	Total/NA	Water	625.1	241774
LCS 860-241774/2-A	Lab Control Sample	Total/NA	Water	625.1	241774
LCSD 860-241774/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	241774

Analysis Batch: 242432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26174-1	RG-SOUTH20250605	Total/NA	Water	625.1	241774

GC Semi VOA

Prep Batch: 241782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26174-1	RG-SOUTH20250605	Total/NA	Water	3511	
MB 860-241782/1-A	Method Blank	Total/NA	Water	3511	
LCS 860-241782/14-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 860-241782/15-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 241937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26174-1	RG-SOUTH20250605	Total/NA	Water	608.3	241782
MB 860-241782/1-A	Method Blank	Total/NA	Water	608.3	241782
LCS 860-241782/14-A	Lab Control Sample	Total/NA	Water	608.3	241782
LCSD 860-241782/15-A	Lab Control Sample Dup	Total/NA	Water	608.3	241782

HPLC/IC

Analysis Batch: 27716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26174-1	RG-SOUTH20250605	Total/NA	Water	300.0	
MB 885-27716/4	Method Blank	Total/NA	Water	300.0	
LCS 885-27716/5	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 582393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26174-1	RG-SOUTH20250605	Total/NA	Water	218.6	

HPLC/IC (Continued)

Analysis Batch: 582393 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-582393/35	Method Blank	Total/NA	Water	218.6	
LCS 570-582393/36	Lab Control Sample	Total/NA	Water	218.6	
LCSD 570-582393/37	Lab Control Sample Dup	Total/NA	Water	218.6	

LCMS

Prep Batch: 858067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26174-1	RG-SOUTH20250605	Total/NA	Water	1633	
885-26174-1 - RA	RG-SOUTH20250605	Total/NA	Water	1633	
MB 320-858067/1-A	Method Blank	Total/NA	Water	1633	
LCS 320-858067/3-A	Lab Control Sample	Total/NA	Water	1633	
LCSD 320-858067/4-A	Lab Control Sample Dup	Total/NA	Water	1633	
LLCS 320-858067/2-A	Lab Control Sample	Total/NA	Water	1633	

Analysis Batch: 858281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26174-1	RG-SOUTH20250605	Total/NA	Water	1633	858067
MB 320-858067/1-A	Method Blank	Total/NA	Water	1633	858067
LCS 320-858067/3-A	Lab Control Sample	Total/NA	Water	1633	858067
LCSD 320-858067/4-A	Lab Control Sample Dup	Total/NA	Water	1633	858067
LLCS 320-858067/2-A	Lab Control Sample	Total/NA	Water	1633	858067

Analysis Batch: 858807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26174-1 - RA	RG-SOUTH20250605	Total/NA	Water	1633	858067

Specialty Organics

Prep Batch: 858301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26174-1	RG-SOUTH20250605	Total/NA	Water	HRMS-Sep	
MB 320-858301/1-A	Method Blank	Total/NA	Water	HRMS-Sep	
LCS 320-858301/2-A	Lab Control Sample	Total/NA	Water	HRMS-Sep	
LCSD 320-858301/3-A	Lab Control Sample Dup	Total/NA	Water	HRMS-Sep	

Analysis Batch: 859381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26174-1	RG-SOUTH20250605	Total/NA	Water	1668A	858301
MB 320-858301/1-A	Method Blank	Total/NA	Water	1668A	858301
LCS 320-858301/2-A	Lab Control Sample	Total/NA	Water	1668A	858301
LCSD 320-858301/3-A	Lab Control Sample Dup	Total/NA	Water	1668A	858301

Metals

Prep Batch: 27775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26174-1	RG-SOUTH20250605	Total Recoverable	Water	200.2	
MB 885-27775/1-A	Method Blank	Total Recoverable	Water	200.2	
LCS 885-27775/6-A	Lab Control Sample	Total Recoverable	Water	200.2	
LLCS 885-27775/5-A	Lab Control Sample	Total Recoverable	Water	200.2	

Metals

Analysis Batch: 28033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26174-1	RG-SOUTH20250605	Total Recoverable	Water	200.7 Rev 4.4	27775
MB 885-27775/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	27775
LCS 885-27775/6-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	27775
LLCS 885-27775/5-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	27775
MRL 885-28033/13	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	

Analysis Batch: 28090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26174-1	RG-SOUTH20250605	Total Recoverable	Water	SM 2340B	

Analysis Batch: 29006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-29006/42	Method Blank	Total/NA	Water	200.8	
LCS 885-29006/43	Lab Control Sample	Total/NA	Water	200.8	
LCSD 885-29006/99	Lab Control Sample Dup	Total/NA	Water	200.8	
MRL 885-29006/40	Lab Control Sample	Total/NA	Water	200.8	
MRL 885-29006/41	Lab Control Sample	Total/NA	Water	200.8	

Analysis Batch: 29041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26174-1	RG-SOUTH20250605	Dissolved	Water	200.8	
MRL 885-29041/18	Lab Control Sample	Total/NA	Water	200.8	
MRL 885-29041/19	Lab Control Sample	Total/NA	Water	200.8	

Prep Batch: 722346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26174-1	RG-SOUTH20250605	Total/NA	Water	200.7/200.8	
MB 160-722346/1-A	Method Blank	Total/NA	Water	200.7/200.8	
LCS 160-722346/2-A	Lab Control Sample	Total/NA	Water	200.7/200.8	
885-26174-1 MS	RG-SOUTH20250605	Total/NA	Water	200.7/200.8	
885-26174-1 MSD	RG-SOUTH20250605	Total/NA	Water	200.7/200.8	

Analysis Batch: 723568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26174-1	RG-SOUTH20250605	Total/NA	Water	200.8	722346
MB 160-722346/1-A	Method Blank	Total/NA	Water	200.8	722346
LCS 160-722346/2-A	Lab Control Sample	Total/NA	Water	200.8	722346
885-26174-1 MS	RG-SOUTH20250605	Total/NA	Water	200.8	722346
885-26174-1 MSD	RG-SOUTH20250605	Total/NA	Water	200.8	722346

General Chemistry

Analysis Batch: 27844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26174-1	RG-SOUTH20250605	Total/NA	Water	1664B	
MB 885-27844/1	Method Blank	Total/NA	Water	1664B	
LCS 885-27844/2	Lab Control Sample	Total/NA	Water	1664B	
LCSD 885-27844/3	Lab Control Sample Dup	Total/NA	Water	1664B	
MRL 885-27844/12	Lab Control Sample	Total/NA	Water	1664B	
MRL 885-27844/13	Lab Control Sample	Total/NA	Water	1664B	

General Chemistry

Prep Batch: 27970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26174-1	RG-SOUTH20250605	Total/NA	Water	365.2/365.3/365	
885-26174-3	RG-SOUTH20250605-Filtered	Dissolved	Water	365.2/365.3/365	
MB 885-27970/3-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 885-27970/5-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	
MRL 885-27970/4-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	

Analysis Batch: 28004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26174-1	RG-SOUTH20250605	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 28066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26174-1	RG-SOUTH20250605	Total/NA	Water	SM 2540D	
MB 885-28066/1	Method Blank	Total/NA	Water	SM 2540D	
LCSSRM 885-28066/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 28082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26174-1	RG-SOUTH20250605	Total/NA	Water	365.1	27970
885-26174-3	RG-SOUTH20250605-Filtered	Dissolved	Water	365.1	27970
MB 885-27970/3-A	Method Blank	Total/NA	Water	365.1	27970
LCS 885-27970/5-A	Lab Control Sample	Total/NA	Water	365.1	27970
MRL 885-27970/4-A	Lab Control Sample	Total/NA	Water	365.1	27970

Analysis Batch: 28169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-28169/1	Method Blank	Total/NA	Water	2540C	
LCS 885-28169/2	Lab Control Sample	Total/NA	Water	2540C	

Prep Batch: 28279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-28279/3-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 885-28279/5-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	
MRL 885-28279/4-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	

Analysis Batch: 28336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-28279/3-A	Method Blank	Total/NA	Water	365.1	28279
LCS 885-28279/5-A	Lab Control Sample	Total/NA	Water	365.1	28279
MRL 885-28279/4-A	Lab Control Sample	Total/NA	Water	365.1	28279

Prep Batch: 28353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26174-1	RG-SOUTH20250605	Total/NA	Water	SM 4500 NH3 B	
MB 885-28353/1-A	Method Blank	Total/NA	Water	SM 4500 NH3 B	
LCS 885-28353/2-A	Lab Control Sample	Total/NA	Water	SM 4500 NH3 B	

Analysis Batch: 28394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26174-1	RG-SOUTH20250605	Total/NA	Water	SM 4500 NH3 C	28353
MB 885-28353/1-A	Method Blank	Total/NA	Water	SM 4500 NH3 C	28353

General Chemistry (Continued)

Analysis Batch: 28394 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 885-28353/2-A	Lab Control Sample	Total/NA	Water	SM 4500 NH3 C	28353

Prep Batch: 28606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 885-28606/2-A	Lab Control Sample	Total/NA	Water	351.2	

Analysis Batch: 28620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26174-1	RG-SOUTH20250605	Total/NA	Water	2540C	
MB 885-28620/1	Method Blank	Total/NA	Water	2540C	
LCS 885-28620/2	Lab Control Sample	Total/NA	Water	2540C	

Prep Batch: 28662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26174-1	RG-SOUTH20250605	Total/NA	Water	351.2	
MB 885-28662/3-A	Method Blank	Total/NA	Water	351.2	
LCS 885-28662/5-A	Lab Control Sample	Total/NA	Water	351.2	
MRL 885-28662/4-A	Lab Control Sample	Total/NA	Water	351.2	

Analysis Batch: 28733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26174-1	RG-SOUTH20250605	Total/NA	Water	351.2	28662
MB 885-28662/3-A	Method Blank	Total/NA	Water	351.2	28662
LCS 885-28662/5-A	Lab Control Sample	Total/NA	Water	351.2	28662
MRL 885-28606/2-A	Lab Control Sample	Total/NA	Water	351.2	28606
MRL 885-28662/4-A	Lab Control Sample	Total/NA	Water	351.2	28662

Analysis Batch: 28844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26174-1	RG-SOUTH20250605	Total/NA	Water	5220D	
MB 885-28844/4	Method Blank	Total/NA	Water	5220D	
LCS 885-28844/5	Lab Control Sample	Total/NA	Water	5220D	
MRL 885-28844/6	Lab Control Sample	Total/NA	Water	5220D	

Cleanup Batch: 35124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 192-35124/15-A	Method Blank	Total/NA	Water	Filtration	
LCS 192-35124/16-A	Lab Control Sample	Total/NA	Water	Filtration	

Analysis Batch: 35386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26174-1	RG-SOUTH20250605	Total/NA	Water	5210 B-2016	
MB 192-35124/15-A	Method Blank	Total/NA	Water	5210 B-2016	35124
MB 192-35386/10	Method Blank	Total/NA	Water	5210 B-2016	
MB 192-35386/4	Method Blank	Total/NA	Water	5210 B-2016	
USB 192-35386/1	Method Blank	Total/NA	Water	5210 B-2016	
LCS 192-35124/16-A	Lab Control Sample	Total/NA	Water	5210 B-2016	35124
LCS 192-35386/11	Lab Control Sample	Total/NA	Water	5210 B-2016	
LCS 192-35386/5	Lab Control Sample	Total/NA	Water	5210 B-2016	

QC Association Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

Rad

Prep Batch: 722499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26174-1	RG-SOUTH20250605	Total/NA	Water	Evaporation	
MB 160-722499/1-A	Method Blank	Total/NA	Water	Evaporation	
LCS 160-722499/2-A	Lab Control Sample	Total/NA	Water	Evaporation	
LCSB 160-722499/3-A	Lab Control Sample	Total/NA	Water	Evaporation	

Biology

Analysis Batch: 27712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26174-1	RG-SOUTH20250605	Total/NA	Water	9223B	
885-26174-2	RG-ALAMEDA20250605	Total/NA	Water	9223B	
MB 885-27712/1	Method Blank	Total/NA	Water	9223B	

Lab Chronicle

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

Client Sample ID: RG-SOUTH20250605
Lab Sample ID: 885-26174-1

Date Collected: 06/05/25 14:20
Matrix: Water
Date Received: 06/05/25 16:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		1	241668	NA	EET HOU	06/11/25 10:51
Total/NA	Prep	3511			241774	DR	EET HOU	06/11/25 13:00
Total/NA	Analysis	625.1		1	242432	PXS	EET HOU	06/14/25 04:37
Total/NA	Prep	3511			241782	CT	EET HOU	06/11/25 13:43
Total/NA	Analysis	608.3		1	241937	WP	EET HOU	06/12/25 17:39
Total/NA	Analysis	218.6		1	582393	YO8L	EET CAL 4	06/11/25 10:35
Total/NA	Analysis	300.0		1	27716	RC	EET ALB	06/06/25 19:09
Total/NA	Prep	1633			858067	WVD	EET SAC	06/17/25 12:29
Total/NA	Analysis	1633		1	858281	EJR	EET SAC	06/18/25 18:13
Total/NA	Prep	1633	RA		858067	WVD	EET SAC	06/17/25 12:29
Total/NA	Analysis	1633	RA	1	858807	K1D	EET SAC	06/19/25 23:28
Total/NA	Prep	HRMS-Sep			858301	KSM	EET SAC	06/18/25 09:51
Total/NA	Analysis	1668A		1	859381	ERR	EET SAC	06/24/25 06:50
Total Recoverable	Prep	200.2			27775	JF	EET ALB	06/06/25 11:43
Total Recoverable	Analysis	200.7 Rev 4.4		1	28033	JR	EET ALB	06/10/25 15:59
Dissolved	Analysis	200.8		1	29041	BV	EET ALB	06/25/25 16:13
Total/NA	Prep	200.7/200.8			722346	LKP	EET SL	06/13/25 13:21
Total/NA	Analysis	200.8		2	723568	CGB	EET SL	06/19/25 16:28
Total Recoverable	Analysis	SM 2340B		1	28090	JF	EET ALB	06/11/25 15:05
Total/NA	Analysis	1664B		1	27844	SS	EET ALB	06/09/25 08:07
Total/NA	Analysis	2540C		1	28620	KS	EET ALB	06/18/25 17:14
Total/NA	Prep	351.2			28662	EH	EET ALB	06/19/25 11:34
Total/NA	Analysis	351.2		1	28733	EH	EET ALB	06/20/25 10:29
Total/NA	Prep	365.2/365.3/365			27970	ES	EET ALB	06/10/25 12:28
Total/NA	Analysis	365.1		1	28082	ES	EET ALB	06/11/25 12:34
Total/NA	Analysis	5210 B-2016		1	35386	FOR	EET ARK	06/06/25 13:33
Total/NA	Analysis	5220D		1	28844	KH	EET ALB	06/19/25 13:17
Total/NA	Analysis	SM 2540D		1	28066	KS	EET ALB	06/11/25 11:37
Total/NA	Analysis	SM 4500 H+ B		1	28004	DL	EET ALB	06/10/25 11:22
Total/NA	Prep	SM 4500 NH3 B			28353	DL	EET ALB	06/16/25 07:33
Total/NA	Analysis	SM 4500 NH3 C		1	28394	DL	EET ALB	06/16/25 07:33
Total/NA	Prep	Evaporation			722499	MEH	EET SL	06/16/25 08:06
Total/NA	Analysis	900.0		1	723121	FLC	EET SL	06/18/25 07:53
Total/NA	Analysis	Gross Alpha Adj		1	726346	FLC	EET SL	06/19/25 16:28
Total/NA	Analysis	9223B		1	27712	DR	EET ALB	06/05/25 16:56

Client Sample ID: RG-ALAMEDA20250605
Lab Sample ID: 885-26174-2

Date Collected: 06/05/25 12:20
Matrix: Water
Date Received: 06/05/25 16:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	27712	DR	EET ALB	06/05/25 16:56

Lab Chronicle

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

Client Sample ID: RG-SOUTH20250605-Filtered
Lab Sample ID: 885-26174-3

Date Collected: 06/05/25 14:20
Matrix: Water
Date Received: 06/05/25 16:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	365.2/365.3/365			27970	ES	EET ALB	06/10/25 12:28
Dissolved	Analysis	365.1		1	28082	ES	EET ALB	06/11/25 12:35

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

EET ARK = Eurofins Arkansas, 8600 Kanis Rd, Little Rock, AR 72204, TEL (501)224-5060

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

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

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
351.2	351.2	Water	Nitrogen, Total Kjeldahl
5220D		Water	Chemical Oxygen Demand
9223B		Water	Escherichia coli

Laboratory: Eurofins Arkansas

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

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	60-00889	03-02-26
Florida	NELAP	E871188	06-30-25
Iowa	State	436	10-02-25
Louisiana (All)	NELAP	01946	06-30-25
Oklahoma	State	8709	08-31-25
Oregon	NELAP	4192	07-12-25
Texas	NELAP	T104704575	06-25-25
Washington	State	C1087	07-13-25

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	7296.01	11-30-26
A2LA	ISO/IEC 17025	7296.01	11-30-26
Alaska (UST)	State	25-005	03-02-26
Arizona	State	AZ0830	11-16-25
Arkansas DEQ	State	88-01672	07-02-25
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-25
California	State	3082	07-01-25
Kansas	NELAP	E-10420	07-31-25
Nevada	State	CA00111	07-31-25
Oregon	NELAP	4175	02-02-26
USDA	US Federal Programs	525-23-159-97150	06-08-26
Utah	NELAP	CA00111	02-28-26
Washington	State	C916	10-11-25

Laboratory: Eurofins Houston

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

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00759	08-04-25
Florida	NELAP	E871002	06-30-25
Louisiana (All)	NELAP	03054	06-30-25
Oklahoma	NELAP	1306	08-31-25
Texas	NELAP	T104704215	06-30-25
Texas	TCEQ Water Supply	T104704215	12-28-25

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

Laboratory: Eurofins Houston (Continued)

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

Authority	Program	Identification Number	Expiration Date
USDA	US Federal Programs	525-23-79-79507	03-20-26

Laboratory: Eurofins Sacramento

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-27
ANAB	Dept. of Defense ELAP	L2468	01-20-27
ANAB	Dept. of Energy	L2468.01	01-20-27
ANAB	ISO/IEC 17025	L2468.03	01-20-27
Arizona	State	AZ0708	08-11-25
Arkansas DEQ	State	88-0691	05-18-26
California	State	2897	01-31-26
Colorado	State	CA00044	08-31-25
Florida	NELAP	E87570	06-30-25
Georgia	State	4040	01-29-26
Illinois	NELAP	200060	03-31-26
Kansas	NELAP	E-10375	10-31-25
Louisiana	NELAP	01944	06-30-25
Louisiana (All)	NELAP	01944	06-30-25
Maine	State	CA00004	04-14-26
Massachusetts	State	M-CA044	06-30-26
Michigan	State	9947	01-29-26
Minnesota	NELAP	2749448	12-31-25
Nevada	State	CA00044	07-31-25
New Jersey	NELAP	CA005	06-30-25
New York	NELAP	11666	04-01-26
Ohio	State	41252	01-29-26
Oregon	NELAP	4040	01-29-26
Texas	NELAP	T104704399-23-17	06-25-25
US Fish & Wildlife	US Federal Programs	A22139	04-30-26
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442023-16	02-28-26
Virginia	NELAP	460278	03-14-26
Washington	State	C581	05-06-26
West Virginia (DW)	State	9930C	02-01-26
West Virginia DEP	State	422	03-28-26
Wisconsin	State	998204680	08-31-25
Wyoming	State Program	8TMS-L	01-28-19 *

Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-27
ANAB	Dept. of Defense ELAP	L2305	04-06-27
ANAB	Dept. of Energy	L2305.01	04-06-27
ANAB	ISO/IEC 17025	L2305	04-06-27
Arizona	State	AZ0813	12-08-25
California	Los Angeles County Sanitation Districts	10259	06-30-22 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

Laboratory: Eurofins St. Louis (Continued)

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

Authority	Program	Identification Number	Expiration Date
California	State	2886	06-30-25
Connecticut	State	PH-0241	03-31-27
Florida	NELAP	E87689	06-30-25
HI - RadChem Recognition	State	n/a	06-30-25
Illinois	NELAP	200023	11-30-25
Iowa	State	373	12-01-26
Kansas	NELAP	E-10236	10-31-25
Kentucky (DW)	State	KY90125	12-31-25
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-25
Louisiana (All)	NELAP	106151	06-30-25
Louisiana (DW)	State	LA011	12-31-25
Maryland	State	310	09-30-25
Massachusetts	State	M-MO054	06-30-25
MI - RadChem Recognition	State	9005	06-30-25
Missouri	State	780	06-30-25
Nevada	State	MO00054	07-31-25
New Jersey	NELAP	MO002	06-30-25
New Mexico	State	MO00054	06-30-25
New York	NELAP	11616	03-31-26
North Carolina (DW)	State	29700	08-02-25
North Dakota	State	R-207	06-30-25
Oklahoma	NELAP	9997	08-31-25
Oregon	NELAP	4157	09-01-25
Pennsylvania	NELAP	68-00540	02-28-26
South Carolina	State	85002	06-30-25
Texas	NELAP	T104704193	07-31-25
US Fish & Wildlife	US Federal Programs	058448	07-31-25
USDA	US Federal Programs	525-23-138-94730	05-18-26
Utah	NELAP	MO00054	07-31-25
Virginia	NELAP	460230	06-14-26
Washington	State	C592	08-30-25
West Virginia DEP	State	381	10-31-25

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque, NM 87109
Phone (505) 345-3975

Chain of Custody Record

eurofins

885-26174 COC

Client Information	Sampler: INTERA Inc. -	Lab PM:	Carrier Tracking No(s):	COC No:
Client Contact: Patrick Chavez	Phone:	E-Mail:	State of Origin: New Mexico	Page: 1 of 1
Company: Albuquerque Metropolitan Arroyo Flood Control Authority	PWSID:			Job #:

Address: 2600 Prospect Avenue NE	Due Date Requested:	Analysis Requested	Preservation Codes:
City: Albuquerque	TAT Requested (days): Standard		A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
State, Zip: New Mexico 87107	Compliance Project: Δ Yes Δ No		
Phone: (505) 362-7342 cell (505) 884-2215 office	PO #:		
Email: pchavez@amafca.org	WO #:		Other: AA-CR6 Acetate
Project Name: CMC	Project #:		
Site:	SSOW#:		Special Instructions/Note:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Meth 8260C Tetrahydrofuran (THF)	Meth 1664B: HEM *	Meth 200.7: Hardness (Ca+Mg) Rev 4.4 Total Recoverable *	Meth 200.8: Dissolved Lead and Copper *	Meth 300.0: Nitrate + Nitrite as N, // Nitrate & Nitrite *	Meth 3500: Cr C-11 // Cr C-2011 Cr6 (Field Filtered)	Meth 351.2 Total Kjeldahl Nitrogen *	Meth 365.1: Dissolved Total Phosphorus *	Meth 5220D: Chemical Oxygen Demand *	Meth SM 2340B: Total Recoverable Hardness Calc *	Meth 4500: H + B - pH *	Meth 4500: NH3 B - Distillation, Ammonia *	Meth SM 5210B: Biochemical Oxygen Demand *	Meth 2540C: Total Dissolved Solids *	Meth SM 2540D: Total Suspended Solids *	Meth 365.1: Total Phosphorus *	Meth 4500: NH3 C - Ammonia *	Meth 900.0: Adjusted Gross Alpha *	Meth 1668A: Full List (209) *	Meth 537.1: PFAS (18 Analytes) *	Meth 608.3: 608 Dieldrin *	Method 625.1: Polycyclic Aromatic Hydrocarbons (PAHs) *	Method 9223B: E. Coli *	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	A		V	V	V	N	N	N	N	N	N	N	N	S	N	O	N	Y	N	N	Z		
RG-SOUTH20250605	6/5/25	14:20	C	W		N	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		The only sample field filtered is the chromium sample.
RG-ALAMEDA20250605	6/5/25	12:20	G	W	N	N	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1	

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

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Patrick Chavez	16:16 / 6/5/25			6-5-25 16:16	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 15.3 + 0.2 = 15.5 °C



ORIGIN ID:ABQA (505) 345-3975
SAMPLE RECEIVING
HALL ENVIRONMENTAL
4901 HAWKINS NE

ALBUQUERQUE, NM 87109
UNITED STATES US

SHIP DATE: 09JUN25
ACTWGT: 15.00 LB
CAD: 1717027/INET4535

BILL SENDER

TO SAMPLE RECIEVING
EUROFINS TUSTIN
2841 DOW AVE
SUITE 100
TUSTIN CA 92780
(714) 895-5494 REF:
INV:
PO: DEPT:

58G.I5/0E74/59F2

885-26174 Waybill

FedEx Express

TUE - 10 JUN 10:30A
PRIORITY OVERNIGHT

TRK# 0201 8818 9317 5304

92780
CA-US SNA

XW DTHA

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque, NM 87109
Phone: 505-345-3975 Fax: 505-345-4107

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Munoz, Erin	Carrier Tracking No(s): N/A	COC No: 885-5252.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Erin.Munoz@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Oregon		Job #: 885-26174-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 7/1/2025			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: CMC	Project #: 88500567			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	900.0/Evaporation Standard Target List	GrAlAdjUnc_Calc	200.8/200_2%P Uranium	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
RG-SOUTH20250605 (885-26174-1)	6/5/25	14:20 Mountain	G	Water			X	X	X	2	

Analysis Requested

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	6/9/25 1340		[signature]	0820 JUN 11 2025	
2	Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque, NM 87109
Phone: 505-345-3975 Fax: 505-345-4107

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Munoz, Erin	Carrier Tracking No(s): N/A 8817 1736 3679	COC No: 885-5234.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Erin.Munoz@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Oregon		Job #: 885-26174-1
Address: 8600 Kanis Rd,	Due Date Requested: 7/1/2025			
City: Little Rock	TAT Requested (days): N/A			
State, Zip: AR, 72204				
Phone: 501-224-5060(Tel) 501-224-5075(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Dry Season	Project #: 88500567			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SM5210B_Calc/ BOD	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
RG-SOUTH20250605 (885-26174-1)	6/5/25	14:20 Mountain	G	Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time: 6/5/25 1700	Company	Received by: Ron Stephens	Date/Time: 6/6/25 857	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.8

Ver: 10/10/2024

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque, NM 87109
Phone: 505-345-3975 Fax: 505-345-4107

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Munoz, Erin	Carrier Tracking No(s): N/A	COC No: 885-5263.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Erin.Munoz@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing Northern Ca		Accreditations Required (See note): NELAP Oregon		Job #: 885-26174-1
Address: 880 Riverside Parkway	Due Date Requested: 6/30/2025			
City: West Sacramento	TAT Requested (days): N/A			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: CMC	Project #: 88500567			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes.

Other: N/A

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1668A/HRMS_Sep_P Full List (209)	537 1/537 1_Prep (MOD) EPA 537 List (14 Analytes)	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
RG-SOUTH20250605 (885-26174-1)	6/5/25	14:20 Mountain	G	Water			X	X	5	J and MDL

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I II, III, IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements.

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				6.10.25 905	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:
		0.7c

Ver: 10/10/2024

7/9/2025

eurofins | Environment Testing

Sacramento Sample Receiving Notes (SSRN)

Tracking # 881897337290

Job ____ 885-26174 Field Sheet

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSL / OnTrac / Goldstreak / USPS / Other____

Use this form to record Sample Custody Seal, Cooler Custody Seal Temperature & corrected Temperature & other observations. File in the job folder with the COC

Therm ID L-11 Corr Factor (+ /) ____ °C

Ice____ Wet____ Gel 1 Other ____

Cooler Custody Seal Rel

Cooler ID: ____

Temp Observed 0.7 °C Corrected 0.7 °C

From Temp Blank ☐ Sandwich ☑ Sidewall ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: ____ Date: 6.10.25

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
COC is complete w/o discrepancies	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314; 331 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: ____ Date 6.10.25

Notes ____

Trizma Lot #(s) 0000306548

Ammonium Acetate Lot #(s) ____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
NCM Filed?	☐	☐	☑
Samples received within hold time?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: ____ Date 6.10.25

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque, NM 87109
Phone: 505-345-3975 Fax: 505-345-4107

Chain of Custody Record

eurofins

Loc: 885
26174

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Munoz, Erin	Carrier Tracking No(s): N/A	COC No: 885-5251.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Erin.Munoz@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): NELAP - Oregon		Job #: 885-26174-1
Address: 2841 Dow Avenue, Suite 100, ,	Due Date Requested: 6/27/2025			Preservation Codes: -
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: CMC	Project #: 88500567			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	218.6_Pres_ORGF/ Hexavalent Chromium	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
RG-SOUTH20250605 (885-26174-1)	6/5/25	14:20 Mountain	G	Water			X	1	

885-26174 Chain of Custody

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	6/9/25 1330				
Relinquished by: Fedex	Date/Time:	Company	Received by: [signature]	Date/Time: 6/10/25 0935	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		2-3/3-3 IR92

Ver: 10/10/2024

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque, NM 87109
Phone: 505-345-3975 Fax: 505-345-4107

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Munoz, Erin	Carrier Tracking No(s): N/A	COC No: 885-5259.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Erin.Munoz@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Oregon		Job #: 885-26174-1
Address: 4145 Greenbriar Dr	Due Date Requested: 6/19/2025			Preservation Codes:
City: Stafford	TAT Requested (days): N/A			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: CMC	Project #: 88500567			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	608.3/3511 (MOD) Dieldrin only	625.1_QQQ/3511 (MOD) Custom List	624.1/624_Prep_3D Tetrahydrofuran (THF)	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
RG-SOUTH20250605 (885-26174-1)	6/5/25	14:20 Mountain	G	Water			X	X	X	8	J and MDLs

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

7/9/2025

Login Sample Receipt Checklist

Client: Albuquerque Metropolitan Arroyo Flood Control Authority

Job Number: 885-26174-1

Login Number: 26174

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

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

Login Sample Receipt Checklist

Client: Albuquerque Metropolitan Arroyo Flood Control Authority

Job Number: 885-26174-1

Login Number: 26174
List Number: 2
Creator: Stephens, Ren

List Source: Eurofins Arkansas
List Creation: 06/06/25 09:45 AM

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

Login Sample Receipt Checklist

Client: Albuquerque Metropolitan Arroyo Flood Control Authority

Job Number: 885-26174-1

Login Number: 26174
List Number: 5
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 06/10/25 01:26 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	Seal present with no number.
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.3
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	False	

Login Sample Receipt Checklist

Client: Albuquerque Metropolitan Arroyo Flood Control Authority

Job Number: 885-26174-1

Login Number: 26174
List Number: 3
Creator: Torrez, Lisandra

List Source: Eurofins Houston
List Creation: 06/10/25 11:40 AM

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

Login Sample Receipt Checklist

Client: Albuquerque Metropolitan Arroyo Flood Control Authority

Job Number: 885-26174-1

Login Number: 26174
List Number: 4
Creator: Simmons, Jason C

List Source: Eurofins Sacramento
List Creation: 06/10/25 11:57 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	Seal
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.7c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Albuquerque Metropolitan Arroyo Flood Control Authority

Job Number: 885-26174-1

Login Number: 26174
List Number: 6
Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis
List Creation: 06/11/25 11:21 AM

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

ATTACHMENT 2

FY 2025 DRY SEASON COMPLETED DATA VERIFICATION AND VALIDATION (V&V) FORMS

Attachment 1.1 Water Quality Sample Data Verification and Validation Worksheet

Study Name: Compliance Monitoring Cooperative (CMC)
Year: FY 2025 (June 2025 – Dry Season Sample)
Project Coordinator: For Data Review and Reporting – SJG, BHI
V&V Reviewer: SJG
Data covered by this worksheet: Alameda – 6/4/2025– E. coli Only Sample
Version of Verification/Validation Procedures: QAPP –AMAFCA SOP #5 (7/2022)

Step 1: Verify Field Data
A. Are all Field Data forms present and complete? ☐ Yes ☒ No

If yes, proceed; if no, attempt to locate missing forms, then indicate any remaining missing forms and action taken.

Missing Field Data Forms	Action Taken
Field data was not collected for this sample	Notified AMAFCA and noted in the database.
_____	_____

Total number of occurrences: 1

B. Are station name and ID, and sampling date and time on forms consistent with database? ☒ Yes ☐ No
If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

Station and Parameter	Action Taken	Re-verified?
_____	_____	_____
_____	_____	_____

Total number of occurrences: 0

C. Are field data on forms consistent with database? ☐ Yes ☐ No **N/A – field data was not collected**
If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

Station	Sampling Date	Parameter(s) Corrected	Re-verified?
_____	_____	_____	_____
_____	_____	_____	_____

Total number of occurrences: 0

D. Are RIDs correct and associated with the correct analytical suite, media subdivision (e.g. surface water, municipal waste, etc.) and activity type (e.g. Field observation, Routine sample, QA sample etc.)?
☒ Yes ☐ No

If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify

Station/RID	Sampling Date	RID Corrected	Re-verified?

Total number of occurrences: 0

☒ **Step 1 Completed** ***Initials:*** SJG ***Date:*** 8/12/2025

- -

Step 2: Verify Data Deliverables
A. Have all data in question been delivered? ☒ Yes ☐ No

If yes, proceed; if no, indicate RIDs with missing data (samples or blanks) or attach report with applicable RIDs highlighted. Contact data source and indicate action taken. Complete this step upon receipt of all missing data.

RID	Submittal Date	Missing Data/Parameters	Date of Initial Verification	Date Missing Data Were Received

Total number of occurrences: 0

B. Do all of the analytical suites have the correct number and type of analytes. ☒ Yes ☐ No

If yes, proceed; if no, indicate RIDs with missing or incorrect analyte(s) or attach report with applicable RIDs highlighted. Contact data source and indicate action taken.

RID	Submittal Date	Missing or Incorrect Parameters	Action Taken	Re-verified?

☒ **Step 2 Completed** ***Initials:*** SJG ***Date:*** 8/12/2025

- -

Step 3: Verify Flow Data

*Note – Not Applicable – no flow data provided with CMC sample collection

A. Identify incorrect or missing data on the flow calculation spreadsheet and correct errors.

Station	Sampling Date	Flow data missing or incorrect?

Total number of occurrences: 0

B. Identify incorrect or missing discharge measurements, correct errors in database and re-verify.

Station	Sampling Date	Flow data missing or incorrect?	Re-verified?

Total number of occurrences: 0

Not Applicable

☐ **Step 3 Completed** ***Initials:*** SJG ***Date:*** 8/12/2025

- -

Step 4: Verify Analytical Results for Missing Information or Questionable Results

Were any results with missing/questionable information identified? ☐ Yes ☒ No

If no, proceed; if yes, indicate results with missing information or questionable results or attach report. Contact data source and indicate action taken. Complete this step upon receipt of missing information or clarification of questionable results (clarify questionable results only, DO NOT change results without written approval (from lab or QA officer) and associated documentation).

RID	Sample Date	Missing or Questionable Information/Results	Action Taken

Total number of occurrences: 0

☒ **Step 4 Completed** ***Initials:*** SJG ***Date:*** 8/12/2025

- -

Step 5: Validate Blanks Results
Were any analytes of concern detected in blank samples? ☐ Yes ☒ No

If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager, with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes have been added to database correctly.

RID	Sample Date	Parameter	[Blank]	[Sample]	Validation Code/Flag Applied	Code/Flag verified in database? *

*See validation procedures to determine which associated data need to be flagged and include on *Validation Codes Form*.

Total number of occurrences: 0

☒ **Step 5 Completed** ***Initials:*** SJG ***Date:*** 8/12/2025

Step 6: Validate Holding Times Violations
Were any samples submitted that did not meet specified holding times? ☐ Yes ☒ No

If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes/flags have been added to database.

RID	Sample Date	Parameter	[Blank]	[Sample]	Validation Code/Flag Applied	Code/Flag verified in database to ALL associated data?*

*See validation procedures to determine which associated data need to be flagged.
Total number of occurrences: 0

☒ **Step 6 Completed** ***Initials:*** SJG ***Date:*** 8/12/2025

Step 7: Validate Replicate/Duplicate Results (if applicable)
Were any replicate/duplicate pairs submitted outside of the established control limit of 20%?
☐ Yes ☒ No

If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes/flags have been added to database.

RID Pairs		Replicate or Duplicate?	Sample Date	Parameter	RPD	Validation Code/Flag Applied	Code/Flag verified in database applied?*
_____	_____	_____	_____	_____	_____		_____
_____	_____	_____	_____	_____	_____		_____

N/A – no duplicate/replicate results

Total number of occurrences: 0

☒ **Step 7 Completed** ***Initials:*** SJG ***Date:*** 8/12/2025

****

After all of the above steps have been completed, save and print the worksheet, attach all applicable supplemental information and sign below.

I acknowledge that the data verification and validation process has been completed for the data identified above in accordance with the procedures described in the CMC QAPP, SOP #2



8/12/2025

Data Verifier/Validator Signature Date

COMPLETION OF DATA VERIFICATION AND VALIDATION PROCESS

Once the data verification and validation process has been completed for the entire study (note: if the worksheet is for a subset of the data from a study, be sure ALL the data for the entire study is included before final completion of the data verification and validation process), notify the NMSQUID administrator that the process is complete and request that “V V in STORET” be added to the project title.

Once all data have been verified and validated for a study provide copies of ALL *Data Verification and Validation Worksheets* and attachments associated with the study to the Quality Assurance Officer and retain originals in the project binder.

Attachment 1.2 SWQB Validation Codes

When deficiencies are identified through the data verification and validation process, AMAFCA documents or "flags" the deficiencies by assigning validation codes. All data collected from the last compliant QC sample and up to the next compliant QC sample are assigned validation codes. The validation code alerts the data user that the results are outside QA control limits and may require re-sampling or a separate, qualitative analysis based on professional judgment.

Validation Code	Definition	WQX Equivalent
A1	Sample not collected according to SOP	
B1	Chemical was detected in the field blank at a concentration less than 5% of the sample concentration.	
BN	Blanks NOT collected during sampling run	
BU	Detection in blank. Analyte was not detected in this sample above the method's sample detection limit.	BU
RB1	Chemical was detected in the field blank at a concentration greater than or equal to 5% of the sample concentration. Results for this sample are rejected because they may be the result of contamination; the results may not be reported or used for regulatory compliance purposes.	B
R1	Rejected due to incorrect sample preservation	R
R2	Rejected due to equipment failure in the field	R
R3	Rejected based on best professional judgment	R
D1	Spike recovery not within method acceptance limits	
F1	Sample filter time exceeded	
J1	Estimated: the analyte was positively identified and the associated value is an approximate concentration of the analyte in the sample	J
K1	Holding time violation	H
Ea	Estimated-Incubation temperature between 35.5 and 38.0° Celsius	
Er	Rejected-Incubation temperature < 34.5 or >38.0° Celsius	
PD1	Percent difference between duplicate samples excessive	
S1	Per SLD, uncertainties (sigmas) are expressed as one standard deviation, i.e. one standard error. Small negative or positive values that are less than two standard deviations should be interpreted as "less than the detection limit."	
S2	Data are suspect but deemed usable based on best professional judgment; documentation of justification is required and should be included in the Data Verification and Validation Packet and reported with results	
Z1	Macroinvertebrate data did not meet QC criteria specified in Section 2.5 of QAPP	
H1	Habitat data did not meet QC criteria specified in Section 2.5 of QAPP	

Attachment 1.1 Water Quality Sample Data Verification and Validation Worksheet

Study Name: Compliance Monitoring Cooperative (CMC)
Year: FY 2025 (June 2025 – Dry Season Sample)
Project Coordinator: For Data Review and Reporting – SJG, BHI
V&V Reviewer: SJG
Data covered by this worksheet: Rio Grande (RG) North – 6/4/2025
Version of Verification/Validation Procedures: QAPP –AMAFCA SOP #5 (7/2022)

Step 1: Verify Field Data

A. Are all Field Data forms present and complete? ☐ Yes ☒ No

If yes, proceed; if no, attempt to locate missing forms, then indicate any remaining missing forms and action taken.

Missing Field Data Forms	Action Taken
DO and conductivity missing	Emailed AMAFCA who followed up with Intera – they did not obtain this field data.
_____	_____

Total number of occurrences: 2

B. Are station name and ID, and sampling date and time on forms consistent with database? ☒ Yes ☐ No
If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

Station and Parameter	Action Taken	Re-verified?
_____	_____	_____
_____	_____	_____

Total number of occurrences: 0

C. Are field data on forms consistent with database? ☒ Yes ☐ No
If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

Station	Sampling Date	Parameter(s) Corrected	Re-verified?
_____	_____	_____	_____
_____	_____	_____	_____

Total number of occurrences: 0

D. Are RIDs correct and associated with the correct analytical suite, media subdivision (e.g. surface water, municipal waste, etc.) and activity type (e.g. Field observation, Routine sample, QA sample etc.)?
☒ Yes ☐ No

If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify

Station/RID	Sampling Date	RID Corrected	Re-verified?

Total number of occurrences: 0

☒ **Step 1 Completed** ***Initials:*** SJG ***Date:*** 8/13/2025

- -

Step 2: Verify Data Deliverables

A. Have all data in question been delivered? ☒ Yes ☐ No

If yes, proceed; if no, indicate RIDs with missing data (samples or blanks) or attach report with applicable RIDs highlighted. Contact data source and indicate action taken. Complete this step upon receipt of all missing data.

RID	Submittal Date	Missing Data/Parameters	Date of Initial Verification	Date Missing Data Were Received

Total number of occurrences: 0

B. Do all of the analytical suites have the correct number and type of analytes. ☐ Yes ☒ No

If yes, proceed; if no, indicate RIDs with missing or incorrect analyte(s) or attach report with applicable RIDs highlighted. Contact data source and indicate action taken.

RID	Submittal Date	Missing or Incorrect Parameters	Action Taken	Re-verified?
	.	Refer to Step 4 for list and missing analytes.		

Total number of occurrences: 0

☒ **Step 2 Completed** ***Initials:*** SJG ***Date:*** 8/13/2025

- -

Step 3: Verify Flow Data

*Note – Not Applicable – no flow data provided with CMC sample collection

A. Identify incorrect or missing data on the flow calculation spreadsheet and correct errors.

Station	Sampling Date	Flow data missing or incorrect?

Total number of occurrences: 0

B. Identify incorrect or missing discharge measurements, correct errors in database and re-verify.

Station	Sampling Date	Flow data missing or incorrect?	Re-verified?

Total number of occurrences: 0

Not Applicable

☐ **Step 3 Completed** ***Initials:*** SJG ***Date:*** 8/13/2025

- -

Step 4: Verify Analytical Results for Missing Information or Questionable Results

Were any results with missing/questionable information identified? ☒ Yes ☐ No

If no, proceed; if yes, indicate results with missing information or questionable results or attach report. Contact data source and indicate action taken. Complete this step upon receipt of missing information or clarification of questionable results (clarify questionable results only, DO NOT change results without written approval (from lab or QA officer) and associated documentation).

RID	Sample Date	Missing or Questionable Information/Results	Action Taken

Eurofins Job ID: 885-26070-1.

Total number of occurrences: 0

☒ **Step 4 Completed** ***Initials:*** SJG ***Date:*** 8/13/2025

- -

Step 5: Validate Blanks Results

Were any analytes of concern detected in blank samples? ☐ Yes ☒ No

If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager, with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes have been added to database correctly.

RID	Sample Date	Parameter	[Blank]	[Sample]	Validation Code/Flag Applied	Code/Flag verified in database? *
Rio Grande North	6/4/2025	PCBs. The surrogate recovery for the blank associated with preparation batch 860-241078 and analytical batch 860-241050 was outside the upper control limits.			B	Yes

*See validation procedures to determine which associated data need to be flagged and include on *Validation Codes Form*.

Total number of occurrences: 1

☒ **Step 5 Completed** ***Initials:*** SJG ***Date:*** 8/13/2025

Step 6: Validate Holding Times Violations

Were any samples submitted that did not meet specified holding times? ☒ Yes ☐ No

If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes/flags have been added to database.

RID	Sample Date	Parameter	[Blank]	[Sample]	Validation Code/Flag Applied	Code/Flag verified in database to ALL associated data?*

*See validation procedures to determine which associated data need to be flagged.
*Note – Lab reports lists pH with hold time flag. Database uses field data reported pH, so this is hold time is not applicable.

Total number of occurrences: 0

☒ **Step 6 Completed** ***Initials:*** SJG ***Date:*** 8/13/2025

- -

Step 7: Validate Replicate/Duplicate Results (if applicable)
Were any replicate/duplicate pairs submitted outside of the established control limit of 20%?
☒ Yes ☐ No
If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes/flags have been added to database.

RID Pairs		Replicate or Duplicate?	Sample Date	Parameter	RPD	Validation Code/Flag Applied	Code/Flag verified in database applied?*
Rio Grande North	Lab Duplicate	Lab Duplicate	6/5/2025	PFAS - Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch		yes	I

Total number of occurrences: 1

☒ **Step 7 Completed** ***Initials:*** SJG ***Date:*** 8/13/2025

****

After all of the above steps have been completed, save and print the worksheet, attach all applicable supplemental information and sign below.

I acknowledge that the data verification and validation process has been completed for the data identified above in accordance with the procedures described in the CMC QAPP, SOP #2



8/13/2025

Data Verifier/Validator Signature Date

COMPLETION OF DATA VERIFICATION AND VALIDATION PROCESS

Once the data verification and validation process has been completed for the entire study (note: if the worksheet is for a subset of the data from a study, be sure ALL the data for the entire study is included before final completion of the data verification and validation process), notify the NMSQUID administrator that the process is complete and request that “V V in STORET” be added to the project title.

Once all data have been verified and validated for a study provide copies of ALL *Data Verification and Validation Worksheets* and attachments associated with the study to the Quality Assurance Officer and retain originals in the project binder.

Attachment 1.2 SWQB Validation Codes

When deficiencies are identified through the data verification and validation process, AMAFCA documents or "flags" the deficiencies by assigning validation codes. All data collected from the last compliant QC sample and up to the next compliant QC sample are assigned validation codes. The validation code alerts the data user that the results are outside QA control limits and may require re-sampling or a separate, qualitative analysis based on professional judgment.

Validation Code	Definition	WQX Equivalent
A1	Sample not collected according to SOP	
B1	Chemical was detected in the field blank at a concentration less than 5% of the sample concentration.	
BN	Blanks NOT collected during sampling run	
BU	Detection in blank. Analyte was not detected in this sample above the method's sample detection limit.	BU
RB1	Chemical was detected in the field blank at a concentration greater than or equal to 5% of the sample concentration. Results for this sample are rejected because they may be the result of contamination; the results may not be reported or used for regulatory compliance purposes.	B
R1	Rejected due to incorrect sample preservation	R
R2	Rejected due to equipment failure in the field	R
R3	Rejected based on best professional judgment	R
D1	Spike recovery not within method acceptance limits	
F1	Sample filter time exceeded	
J1	Estimated: the analyte was positively identified and the associated value is an approximate concentration of the analyte in the sample	J
K1	Holding time violation	H
Ea	Estimated-Incubation temperature between 35.5 and 38.0° Celsius	
Er	Rejected-Incubation temperature < 34.5 or >38.0° Celsius	
PD1	Percent difference between duplicate samples excessive	
S1	Per SLD, uncertainties (sigmas) are expressed as one standard deviation, i.e. one standard error. Small negative or positive values that are less than two standard deviations should be interpreted as "less than the detection limit."	
S2	Data are suspect but deemed usable based on best professional judgment; documentation of justification is required and should be included in the Data Verification and Validation Packet and reported with results	
Z1	Macroinvertebrate data did not meet QC criteria specified in Section 2.5 of QAPP	
H1	Habitat data did not meet QC criteria specified in Section 2.5 of QAPP	

Attachment 1.1 Water Quality Sample Data Verification and Validation Worksheet

Study Name: Compliance Monitoring Cooperative (CMC)
Year: FY 2025 (June 2025 – Dry Season Sample)
Project Coordinator: For Data Review and Reporting – SJG, BHI
V&V Reviewer: SJG
Data covered by this worksheet: Alameda – 6/5/2025– E. coli Only Sample
Version of Verification/Validation Procedures: QAPP –AMAFCA SOP #5 (7/2022)

Step 1: Verify Field Data

A. Are all Field Data forms present and complete ☐ Yes ☒ No

If yes, proceed; if no, attempt to locate missing forms, then indicate any remaining missing forms and action taken.

Missing Field Data Forms	Action Taken
Field data was not collected for this sample	Notified AMAFCA and noted in the database.
_____	_____

Total number of occurrences: 0

B. Are station name and ID, and sampling date and time on forms consistent with database? ☒ Yes ☐ No
If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

Station and Parameter	Action Taken	Re-verified?
_____	_____	_____
_____	_____	_____

Total number of occurrences: 0

C. Are field data on forms consistent with database? ☐ Yes ☐ No **N/A – field data was not collected**
If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

Station	Sampling Date	Parameter(s) Corrected	Re-verified?
_____	_____	_____	_____
_____	_____	_____	_____

Total number of occurrences: 0

D. Are RIDs correct and associated with the correct analytical suite, media subdivision (e.g. surface water, municipal waste, etc.) and activity type (e.g. Field observation, Routine sample, QA sample etc.)?

☒ Yes ☐ No

If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify

Station/RID	Sampling Date	RID Corrected	Re-verified?

Total number of occurrences: 0

☒ **Step 1 Completed** ***Initials:*** SJG ***Date:*** 8/12/2025

- -

Step 2: Verify Data Deliverables

A. Have all data in question been delivered? ☒ Yes ☐ No

If yes, proceed; if no, indicate RIDs with missing data (samples or blanks) or attach report with applicable RIDs highlighted. Contact data source and indicate action taken. Complete this step upon receipt of all missing data.

RID	Submittal Date	Missing Data/Parameters	Date of Initial Verification	Date Missing Data Were Received

Total number of occurrences: 0

B. Do all of the analytical suites have the correct number and type of analytes. ☒ Yes ☐ No

If yes, proceed; if no, indicate RIDs with missing or incorrect analyte(s) or attach report with applicable RIDs highlighted. Contact data source and indicate action taken.

RID	Submittal Date	Missing or Incorrect Parameters	Action Taken	Re-verified?

☒ **Step 2 Completed** ***Initials:*** SJG ***Date:*** 8/12/2025

- -

Step 3: Verify Flow Data

*Note – Not Applicable – no flow data provided with CMC sample collection

A. Identify incorrect or missing data on the flow calculation spreadsheet and correct errors.

Station	Sampling Date	Flow data missing or incorrect?

Total number of occurrences: 0

B. Identify incorrect or missing discharge measurements, correct errors in database and re-verify.

Station	Sampling Date	Flow data missing or incorrect?	Re-verified?

Total number of occurrences: 0

Not Applicable

☐ **Step 3 Completed** ***Initials:*** SJG ***Date:*** 8/12/2025

- -

Step 4: Verify Analytical Results for Missing Information or Questionable Results

Were any results with missing/questionable information identified? ☐ Yes ☒ No

If no, proceed; if yes, indicate results with missing information or questionable results or attach report. Contact data source and indicate action taken. Complete this step upon receipt of missing information or clarification of questionable results (clarify questionable results only, DO NOT change results without written approval (from lab or QA officer) and associated documentation).

RID	Sample Date	Missing or Questionable Information/Results	Action Taken

Total number of occurrences: 0

☒ **Step 4 Completed** ***Initials:*** SJG ***Date:*** 8/12/2025

- -

Step 5: Validate Blanks Results
Were any analytes of concern detected in blank samples? ☐ Yes ☒ No

If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager, with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes have been added to database correctly.

RID	Sample Date	Parameter	[Blank]	[Sample]	Validation Code/Flag Applied	Code/Flag verified in database? *

*See validation procedures to determine which associated data need to be flagged and include on *Validation Codes Form*.

Total number of occurrences: 0

☒ **Step 5 Completed** ***Initials:*** SJG ***Date:*** 8/12/2025

Step 6: Validate Holding Times Violations
Were any samples submitted that did not meet specified holding times? ☐ Yes ☒ No

If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes/flags have been added to database.

RID	Sample Date	Parameter	[Blank]	[Sample]	Validation Code/Flag Applied	Code/Flag verified in database to ALL associated data?*

*See validation procedures to determine which associated data need to be flagged.
Total number of occurrences: 0

☒ **Step 6 Completed** ***Initials:*** SJG ***Date:*** 8/12/2025

Step 7: Validate Replicate/Duplicate Results (if applicable)
Were any replicate/duplicate pairs submitted outside of the established control limit of 20%?
☐ Yes ☒ No

If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes/flags have been added to database.

RID Pairs		Replicate or Duplicate?	Sample Date	Parameter	RPD	Validation Code/Flag Applied	Code/Flag verified in database applied?*
_____	_____	_____	_____	_____	_____		_____
_____	_____	_____	_____	_____	_____		_____

N/A – no duplicate/replicate results

Total number of occurrences: 0

☒ **Step 7 Completed** ***Initials:*** SJG ***Date:*** 8/12/2025

****

After all of the above steps have been completed, save and print the worksheet, attach all applicable supplemental information and sign below.

I acknowledge that the data verification and validation process has been completed for the data identified above in accordance with the procedures described in the CMC QAPP, SOP #2



8/12/2025

Data Verifier/Validator Signature Date

COMPLETION OF DATA VERIFICATION AND VALIDATION PROCESS

Once the data verification and validation process has been completed for the entire study (note: if the worksheet is for a subset of the data from a study, be sure ALL the data for the entire study is included before final completion of the data verification and validation process), notify the NMSQUID administrator that the process is complete and request that “V V in STORET” be added to the project title.

Once all data have been verified and validated for a study provide copies of ALL *Data Verification and Validation Worksheets* and attachments associated with the study to the Quality Assurance Officer and retain originals in the project binder.

Attachment 1.2 SWQB Validation Codes

When deficiencies are identified through the data verification and validation process, AMAFCA documents or "flags" the deficiencies by assigning validation codes. All data collected from the last compliant QC sample and up to the next compliant QC sample are assigned validation codes. The validation code alerts the data user that the results are outside QA control limits and may require re-sampling or a separate, qualitative analysis based on professional judgment.

Validation Code	Definition	WQX Equivalent
A1	Sample not collected according to SOP	
B1	Chemical was detected in the field blank at a concentration less than 5% of the sample concentration.	
BN	Blanks NOT collected during sampling run	
BU	Detection in blank. Analyte was not detected in this sample above the method's sample detection limit.	BU
RB1	Chemical was detected in the field blank at a concentration greater than or equal to 5% of the sample concentration. Results for this sample are rejected because they may be the result of contamination; the results may not be reported or used for regulatory compliance purposes.	B
R1	Rejected due to incorrect sample preservation	R
R2	Rejected due to equipment failure in the field	R
R3	Rejected based on best professional judgment	R
D1	Spike recovery not within method acceptance limits	
F1	Sample filter time exceeded	
J1	Estimated: the analyte was positively identified and the associated value is an approximate concentration of the analyte in the sample	J
K1	Holding time violation	H
Ea	Estimated-Incubation temperature between 35.5 and 38.0° Celsius	
Er	Rejected-Incubation temperature < 34.5 or >38.0° Celsius	
PD1	Percent difference between duplicate samples excessive	
S1	Per SLD, uncertainties (sigmas) are expressed as one standard deviation, i.e. one standard error. Small negative or positive values that are less than two standard deviations should be interpreted as "less than the detection limit."	
S2	Data are suspect but deemed usable based on best professional judgment; documentation of justification is required and should be included in the Data Verification and Validation Packet and reported with results	
Z1	Macroinvertebrate data did not meet QC criteria specified in Section 2.5 of QAPP	
H1	Habitat data did not meet QC criteria specified in Section 2.5 of QAPP	

Attachment 1.1 Water Quality Sample Data Verification and Validation Worksheet

Study Name: Compliance Monitoring Cooperative (CMC)
Year: FY 2025 (June 2025 – Wet Season Sample)
Project Coordinator: For Data Review and Reporting – SJG, BHI
V&V Reviewer: SJG
Data covered by this worksheet: Rio Grande South – 6/5/2025
Version of Verification/Validation Procedures: QAPP –AMAFCA SOP #5 (7/2022)

Step 1: Verify Field Data

A. Are all Field Data forms present and complete? ☒ Yes ☐ No

If yes, proceed; if no, attempt to locate missing forms, then indicate any remaining missing forms and action taken.

Missing Field Data Forms	Action Taken

Total number of occurrences: 0

B. Are station name and ID, and sampling date and time on forms consistent with database? ☒ Yes ☐ No
If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

Station and Parameter	Action Taken	Re-verified?

Total number of occurrences: 0

C. Are field data on forms consistent with database? ☒ Yes ☐ No
If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

Station	Sampling Date	Parameter(s) Corrected	Re-verified?

Total number of occurrences: 0

D. Are RIDs correct and associated with the correct analytical suite, media subdivision (e.g. surface water, municipal waste, etc.) and activity type (e.g. Field observation, Routine sample, QA sample etc.)?

☒ Yes ☐ No

If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify

Station/RID	Sampling Date	RID Corrected	Re-verified?

Total number of occurrences: 0

☒ **Step 1 Completed** ***Initials:*** SJG ***Date:*** 8/13/2025

- - - -

Step 3: Verify Flow Data
*Note – Not Applicable – no flow data provided with CMC sample collection
A. Identify incorrect or missing data on the flow calculation spreadsheet and correct errors.

Station	Sampling Date	Flow data missing or incorrect?
_____	_____	_____

Total number of occurrences: 0

B. Identify incorrect or missing discharge measurements, correct errors in database and re-verify.

Station	Sampling Date	Flow data missing or incorrect?	Re-verified?
_____	_____	_____	_____

Total number of occurrences: 0 **Not Applicable**

☐ **Step 3 Completed** ***Initials:*** SJG ***Date:*** 8/13/2025

- -

Step 4: Verify Analytical Results for Missing Information or Questionable Results

Were any results with missing/questionable information identified? ☒ Yes ☐ No

If no, proceed; if yes, indicate results with missing information or questionable results or attach report. Contact data source and indicate action taken. Complete this step upon receipt of missing information or clarification of questionable results (clarify questionable results only, DO NOT change results without written approval (from lab or QA officer) and associated documentation).

RID	Sample Date	Missing or Questionable Information/Results	Action Taken

*Note – Eurofins Job ID: 885-26174-1

Total number of occurrences: 0

☒ **Step 4 Completed** ***Initials:*** SJG ***Date:*** 8/13/2025

- -

Step 5: Validate Blanks Results
Were any analytes of concern detected in blank samples? ☐ Yes ☒ No

If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager, with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes have been added to database correctly.

RID	Sample Date	Parameter	[Blank]	[Sample]	Validation Code/Flag Applied	Code/Flag verified in database?*
Rio Grande South	6/5/2025	PCBs. The samples and method blank (MB) were non-detects, the LLCS/LCS/LCSD were within control limits for the affected analyte; therefore, the data have been reported			B	Yes, Compound was found in the blank and sample.

*See validation procedures to determine which associated data need to be flagged and include on *Validation Codes Form*.

Total number of occurrences: 1

☒ **Step 5 Completed** ***Initials:*** SJG ***Date:*** 8/13/2025

- -

Step 6: Validate Holding Times Violations
Were any samples submitted that did not meet specified holding times? ☐ Yes ☒ No

If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes/flags have been added to database.

RID	Sample Date	Parameter	[Blank]	[Sample]	Validation Code/Flag Applied	Code/Flag verified in database to ALL associated data?*
Rio Grande South	6/5/2025	Tetrahydrofuran		Note from lab: Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.	H	Yes
Rio Grande South	6/5/2025	Total Dissolved Solids (TDS)		Note from lab: Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.	H	Yes

*See validation procedures to determine which associated data need to be flagged.

*Note – Lab reports lists pH with hold time flag. Database uses field data reported pH, so this is hold time is not applicable.
Total number of occurrences: 2

☒ **Step 6 Completed** ***Initials:*** SJG ***Date:*** 8/13/2025

- -

Step 7: Validate Replicate/Duplicate Results (if applicable)
Were any replicate/duplicate pairs submitted outside of the established control limit of 20%?
☒ Yes ☐ No
If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes/flags have been added to database.

RID Pairs		Replicate or Duplicate?	Sample Date	Parameter	RPD	Validation Code/Flag Applied	Code/Flag verified in database applied?*
Rio Grande South	Lab Duplicate	Lab Duplicate	6/5/2025	Bis (2-ethyhexyl) Phthalate		Yes	*+, LCS and/or LCSD is outside acceptance limits, high biased.
Rio Grande South	Lab Duplicate	Lab Duplicate	6/5/2025	Dieldrin		Yes	*+, LCS and/or LCSD is outside acceptance limits, high biased.

Total number of occurrences: 2

☒ **Step 7 Completed** ***Initials:*** SJG ***Date:*** 8/13/2025

****

After all of the above steps have been completed, save and print the worksheet, attach all applicable supplemental information and sign below.

I acknowledge that the data verification and validation process has been completed for the data identified above in accordance with the procedures described in the CMC QAPP, SOP #2

Sarah Cannon 8/13/2025

Data Verifier/Validator Signature Date

COMPLETION OF DATA VERIFICATION AND VALIDATION PROCESS

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Attachment 1.2 SWQB Validation Codes

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Validation Code	Definition	WQX Equivalent
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R2	Rejected due to equipment failure in the field	R
R3	Rejected based on best professional judgment	R
D1	Spike recovery not within method acceptance limits	
F1	Sample filter time exceeded	
J1	Estimated: the analyte was positively identified and the associated value is an approximate concentration of the analyte in the sample	J
K1	Holding time violation	H
Ea	Estimated-Incubation temperature between 35.5 and 38.0° Celsius	
Er	Rejected-Incubation temperature < 34.5 or >38.0° Celsius	
PD1	Percent difference between duplicate samples excessive	
S1	Per SLD, uncertainties (sigmas) are expressed as one standard deviation, i.e. one standard error. Small negative or positive values that are less than two standard deviations should be interpreted as "less than the detection limit."	
S2	Data are suspect but deemed usable based on best professional judgment; documentation of justification is required and should be included in the Data Verification and Validation Packet and reported with results	
Z1	Macroinvertebrate data did not meet QC criteria specified in Section 2.5 of QAPP	
H1	Habitat data did not meet QC criteria specified in Section 2.5 of QAPP	

Summary of AMAFCA's MS4 Discharges to Water Quality Impaired Water Bodies without an Approved TMDL Program FY 2025 (July 1, 2024 – June 30, 2025)

NPDES Permit No. NMR04A000

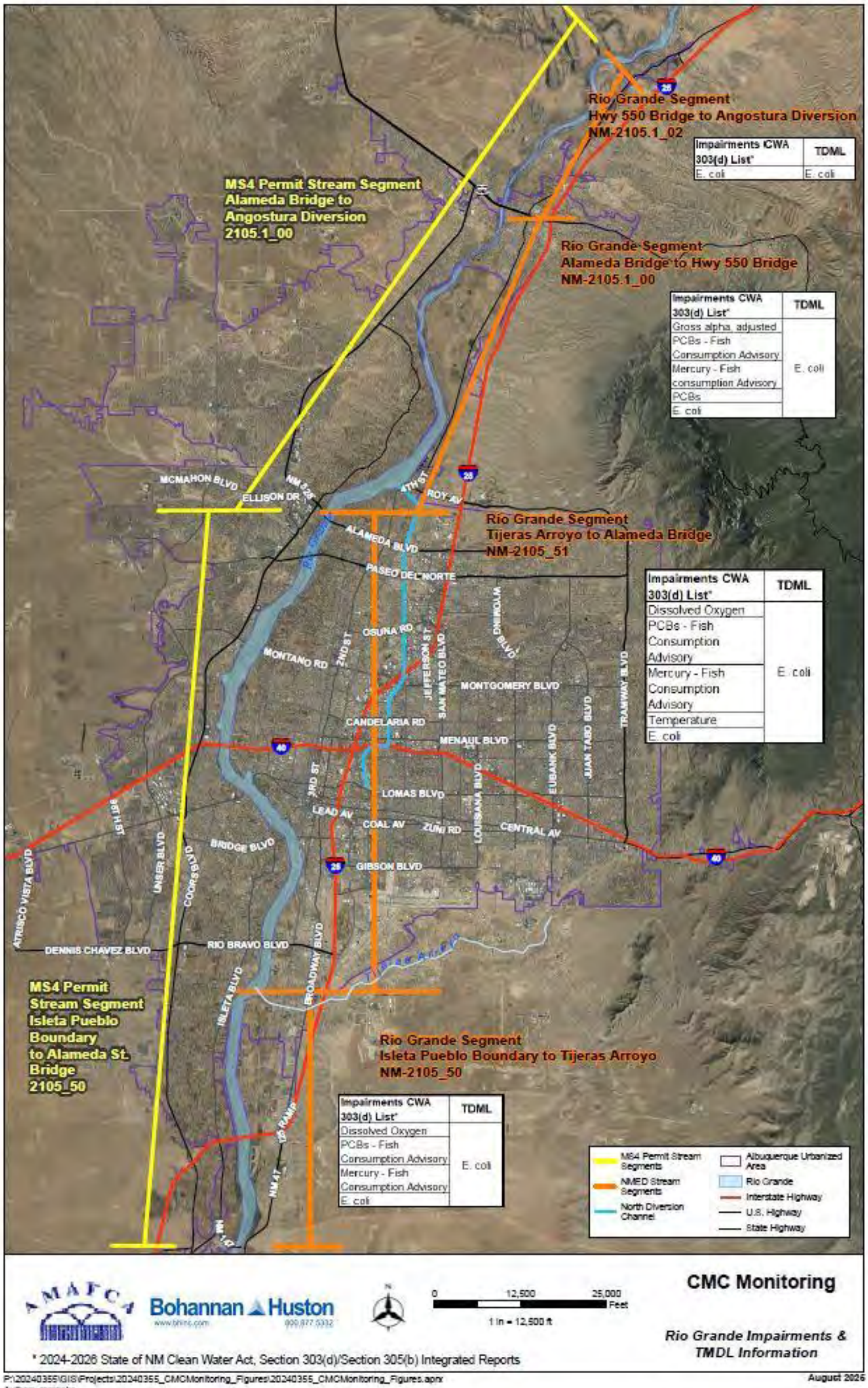
Part I.C.2.b.(ii) - Special Conditions, Compliance with Water Quality Standards

Impairments without Approved TMDLs

Impairments for the Rio Grande are documented in the Clean Water Act (CWA) 303(d)/305(b) Integrated Report (IR). The IR is updated every three years by a review process that is conducted by the New Mexico Environment Department (NMED). For AMAFCA and other Municipal Separate Storm Sewer System (MS4) permittees in the watershed, compliance sampling is done in the Rio Grande at upstream and downstream locations of the urbanized area for impairment parameters, as well as other parameters identified in the MS4 Permit.

AMAFCA and other MS4s covered under the MS4 Permit are required to comply with water quality standards that are comprised of designated uses for surface waters of the state, associated water quality criteria necessary to protect these uses, and an antidegradation policy. Designated uses in the Middle Rio Grande include aquatic life, fish culture, primary and secondary contact (including cultural, religious, or ceremonial purposes), public water supply, industrial water supply, domestic water supply, irrigation, livestock watering, and wildlife habitat. Impairments are identified when sampling results show that the water quality is not meeting the designated uses requirements. Once an impairment is identified; a Total Maximum Daily Load (TMDL) may be considered in the future if continued monitoring does not show improvement. AMAFCA's stormwater discharges protect these uses and fulfill the requirements set forth in the MS4 Permit. Coordinated water quality sample collection programs through AMAFCA, the Stormwater Quality Team, and the Compliance Monitoring Cooperative (CMC) have been developed and are annually funded to monitor, assess, protect, and restore surface water quality to the Middle Rio Grande watershed.

The current impairments for the Rio Grande stream segments are shown in the figure below.



Impairments in the Rio Grande Segments in the Middle Rio Grande Through Albuquerque

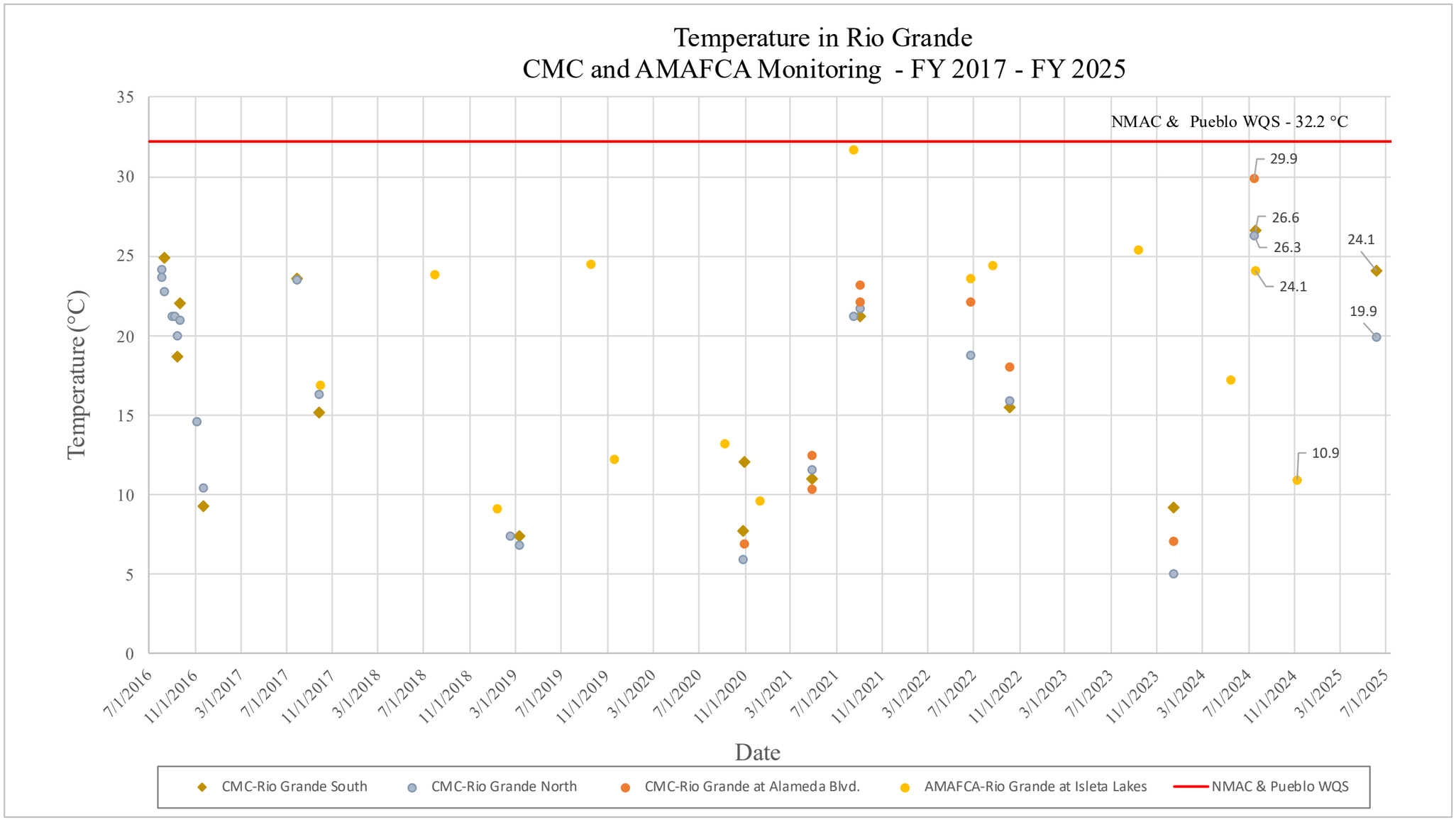
CMC and AMAFCA Water Quality Monitoring Program for Temperature, Gross Alpha, Mercury, and PCBs

Both AMAFCA and the Middle Rio Grande Compliance Monitoring Cooperative (CMC) collect grab samples within the Rio Grande during storm events. Parameters, including the identified impaired parameters, are tested for these in-stream samples. For MS4 Permit compliance, the Middle Rio Grande CMC has monitoring points north and south of the urbanized portion of the river. The AMAFCA monitoring program collects samples in the Rio Grande at the downstream (south) end of the watershed (Rio Grande at Isleta Lakes). The graphs below show the Temperature and Gross Alpha from AMAFCA and CMC samples collected from 2016 – 2025.

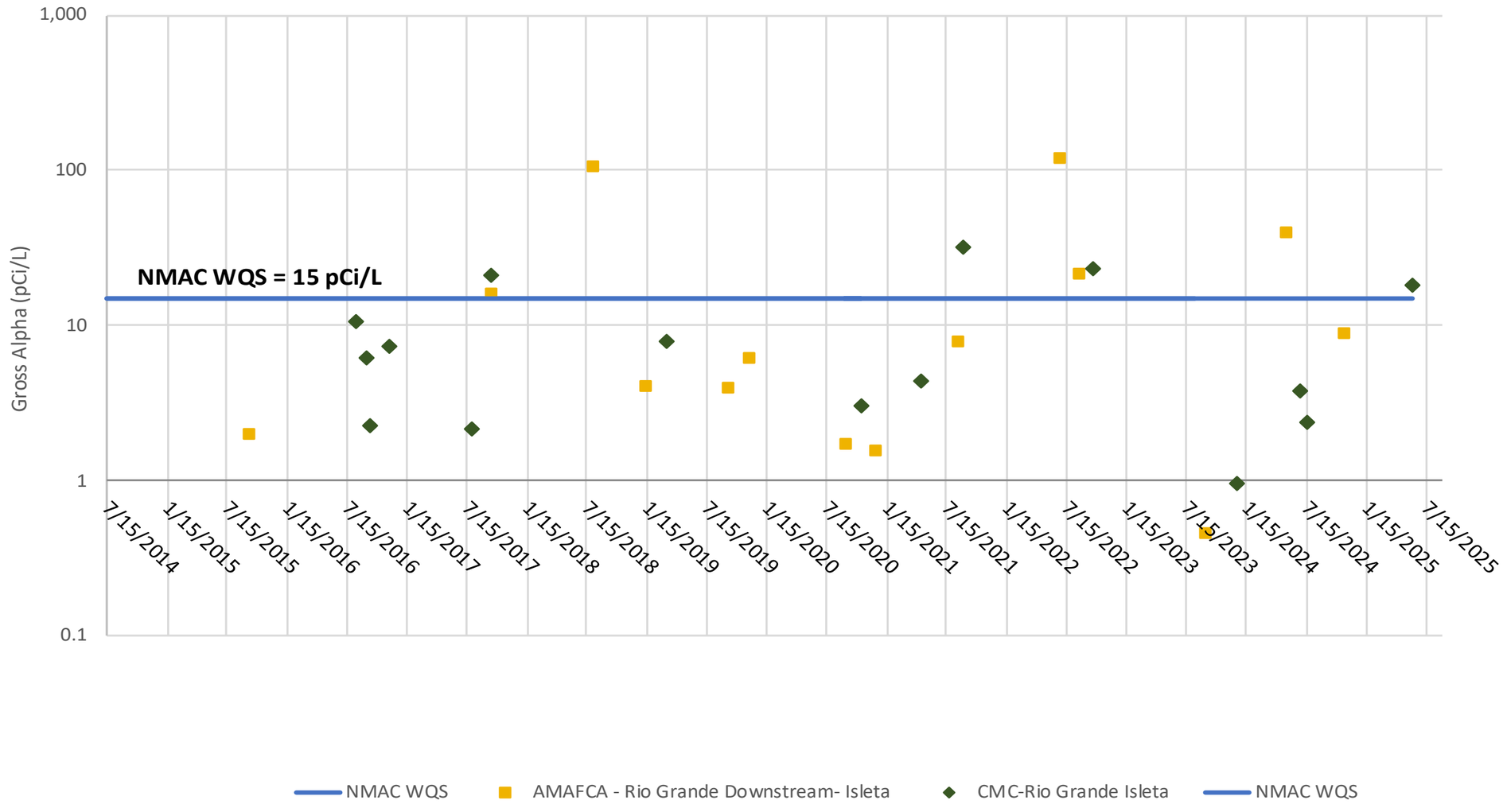
AMAFCA monitors and evaluates the potential effect of stormwater discharges related to temperature in the Rio Grande. AMAFCA and the original MS4 co-permittees (the City of Albuquerque, New Mexico Department of Transportation, and the University of New Mexico) assembled and analyzed temperature data from 1982 to 2012. This data analysis proved the assertion that the receiving waters of the Rio Grande are not adversely affected by the temperature of stormwater from the Albuquerque MS4. This data was presented in an initial report that was submitted to EPA on May 1, 2012.

Since 2012, the MS4 permittees have continued to collect and submit temperature data, with each Annual Report showing that the Rio Grande (receiving water for the Middle Rio Grande watershed) is not adversely affected by the temperature of stormwater from the Albuquerque MS4. AMAFCA has collected data from 2012 to 2025 using tidbit probes and sondes. In accordance with AMAFCA's Stormwater Management Program (SWMP), AMAFCA has assessed and will continue to assess the potential effect of stormwater discharges into the Rio Grande by collecting and evaluating additional temperature data. Additional information is available in the Dissolved Oxygen and Temperature Program summary documents.

In FY 2025, AMAFCA continued to follow the recently updated quality assurance project plan (QAPP), the field sampling plan (FSP), and related Standard Operating Procedures (SOPs) for AMAFCA's stormwater quality monitoring program. The format and contents of these documents are modeled after the NMED Surface Water Quality Bureau (SWQB) water quality management programs to facilitate sharing of data between the agencies. These documents provide a framework and detailed methods for the collection and analysis of environmental data as well as provide guidance for generating data with the precision, accuracy, and completeness necessary for AMAFCA's program.



Plot of Temperature Data Collected From Grab Samples in the Rio Grande Through the AMAFCA and CMC Monitoring Programs

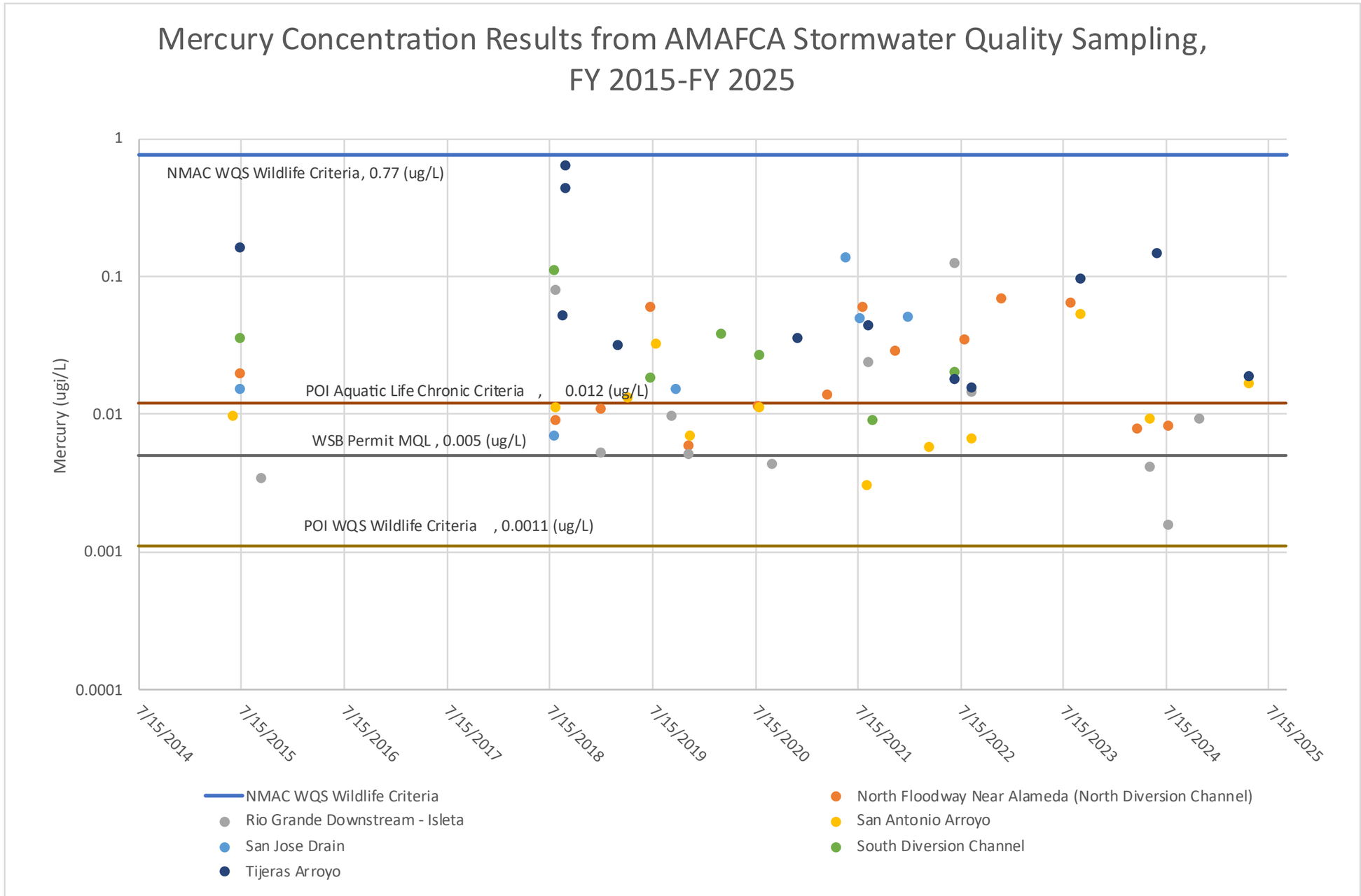


Gross Alpha Results From Grab Samples in the Rio Grande Through the AMAFCA and CMC Monitoring Programs

AMAFCA has been monitoring for mercury in stormwater samples, and the graph on page 7 shows results obtained throughout the watershed. The CMC has not been monitoring for mercury, as it is not a required parameter in the MS4 Permit. Mercury levels reported as exceeding applicable in-stream water quality standard (WQS) values relate to 'Wildlife Usage' WQS for the Pueblo of Isleta; this WQS value is an order of magnitude lower than other mercury WQSs – refer to the table below. AMAFCA has discussed the concern about the magnitude difference and potential error of this WQS with the Pueblo of Isleta related to their Triennial Review.

Water Quality Standards for Mercury for the Middle Rio Grande

Mercury **Pueblo of Isleta** ***Wildlife Usage Criteria***	**Mercury** ***Pueblo of Isleta & Sandia, Fresh Water Aquatic Life Chronic Toxicity***	**Mercury** **State of NM NMAC 20.6.4** ***Wildlife Habitat***	**Mercury** **State of NM NMAC 20.6.4** ***Drinking Water Supply***	**Mercury** ***Pueblo of Isleta & Sandia, Fresh Water Aquatic Life Acute Toxicity***
WQS: 0.0011 ug/L	WQS: 0.012 ug/L	WQS: 0.77 ug/L	WQS: 2 ug/L	WQS: 2.4 ug/L



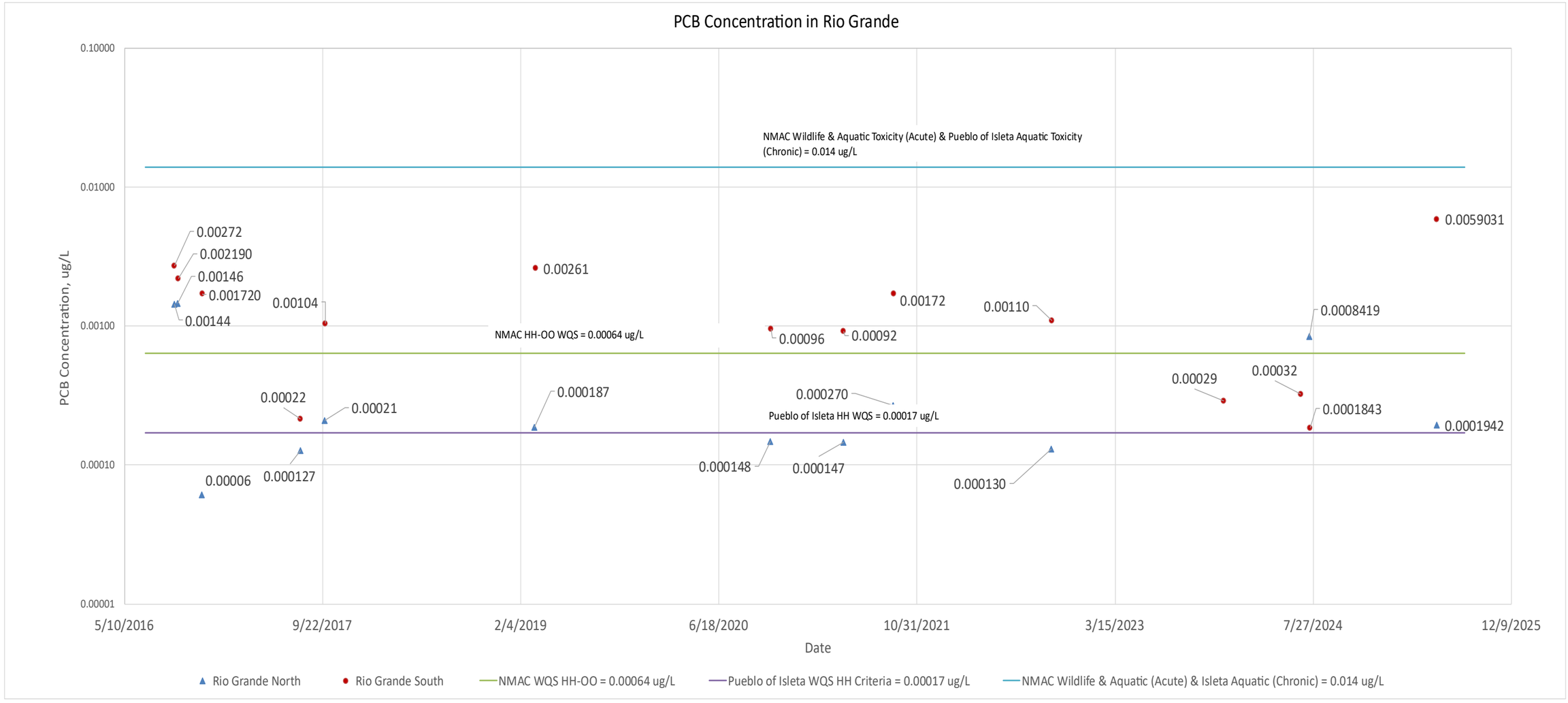
Mercury Results From Stormwater Samples Collected in the Watershed Through the AMAFCA Monitoring Program

AMAFCA and the CMC have been monitoring for PCBs in stormwater samples. The current AMAFCA watershed screening (also referred to as non-compliance sampling) is using Method 608 to test for PCBs. If results are detected with the screening method, AMAFCA would then sample and test with Method 1668. Method 608 tests for both PCBs and pesticides. All AMAFCA screening tests for PCBs have been non detect.

The CMC tests all samples for PCBs using Method 1668. This is the required PCB testing methodology for stormwater compliance permit requirements, as is stated in the MS4 Permit, p. 6 of Part III. There are multiple surface WQS values listed for PCBs in both the Pueblo of Isleta and the State of New Mexico standards for the various designated uses. PCBs measured in samples collected from the Rio Grande during the FY 2025 storm events were all below the minimum quantification level (MQL) established in EPA standards for the MS4 National Pollutant Discharge Elimination System (NPDES) Permit (Appendix F, 0.2 ug/L for PCBs). The PCB results were also well below the New Mexico Surface WQSs and Pueblo of Isleta Surface WQSs for designated uses, including drinking water (0.5 ug/L) and wildlife habitat, acute aquatic life, and chronic aquatic life (0.014 ug/L). However, the CMC samples from the Rio Grande North (pre-storm) and South (post-storm) locations were above the Pueblo of Isleta human health criteria (based on fish consumption only) WQS for surface waters. The human health-organism only criterion is based upon human consumption of fish and other aquatic life that bioaccumulate contaminants over time. The PCB results from FY 2017 through FY 2025 are shown below relative to several of the WQSs for PCBs.

AMAFCA Water Quality Monitoring Program for PFAS

AMAFCA understands that EPA is beginning to address per- and polyfluoroalkyl substances – known as PFAS – in stormwater management through NPDES permits, which may lead to future monitoring and discharge limits for these emerging contaminants. AMAFCA has collected several stormwater samples and tested them for PFAS. AMAFCA developed sampling protocols designed to provide a high-level overview of sampling equipment, procedures, Personal Protective Equipment (PPE), and best practices to minimize cross contamination during PFAS sampling; refer to the attachment to this Program Summary for additional information on these protocols.



PCB Results From Stormwater Samples Collected in the Rio Grande Through the CMC

Memorandum

To: PJ Chavez **Date:** April 16, 2024

From: Chad Johannesen

Subject: PFAS Sampling Guidance

This memo is designed to provide a high-level overview of sampling equipment, procedures, PPE, and best practices to minimize cross contamination during PFAS sampling. This is not designed to be a sampling plan or to be used in place of a sampling plan. This memo is for information purposes only. For further guidance the following links provide a more in-depth discussion of PFAS sampling:

- https://www.epa.gov/water-research/pfas-methods-and-guidance-sampling-and-analyzing-water-and-other-environmental-media
- PFAS Sampling Guidance (michigan.gov)
- General PFAS Sampling Guidance (michigan.gov)

Sampling Equipment

The following is a short list of materials that are **PFAS free** and could potentially be used during sampling.

- LDPE bags (e.g. zip top bags) that do not come into contact with surface water. LDPE does not contain PFAS but may include a PFAS contamination during manufacturing, recommend screening if use is required.
- HDPE (e.g. plastic, decontaminated buckets and containers)
- Polypropylene (e.g. braided utility rope)
- Powderless Nitrile Gloves
- Silicone

- Acetate

Personal Protective Equipment (PPE)

Protection of the individual conducting the sampling should not supersede the potential for cross contamination. Where possible alternative PFAS free equipment should be used. Below is a short list of PPE that is likely to contain PFAS and should be **avoided**, if possible an alternative should be selected for PPE.

- Waterproof clothing
- Water-repellant clothing
- Dirt and or Stain resistant clothing
- Durable Water Repellant (DWR) finishes on textiles
- Chemically treated clothing
- Bug repellant clothing
- UV protective clothing

Sampling Procedures

Before sampling hands should be well-washed. Clean powderless nitrile gloves must be donned prior to sample collection, handling of sample containers, and handling sampling equipment. Gloves should be changed between the collection of each sample. Any equipment used for sampling should be thoroughly decontaminated prior to sampling activities and after sampling is concluded. Laboratory provided DI water with Alconox®, Liquinox®, and/or Citranox® can be used to decontaminate equipment.

Sample container must be kept sealed and placed immediately on ice post collection. Sampling container lid should never be placed on any surface unless it is PFAS free. Sampling container lid must not be placed on the ground.

Cross Contamination Sources

The following list provides common examples of potential cross contamination during PFAS Sampling (this list is not exhaustive):

- Decontamination water
- Used sampling materials
- Sampling equipment
- Field clothing and PPE
- Latex gloves
- Sunblock
- Bio protection products (eg. bug spray)
- Personal hygiene and care products
- ***Food packaging***

Materials to Avoid During Sampling

The following is a short list of materials that are made of PFAS. These materials should be avoided if expected to come into direct contact with the sample.

- PTFE - Teflon® and Hostaflon®
- PVDF - Kynar®
- PCTFE - Neoflon®
- ETFE - Tefzel®
- FEP - Teflon® FEP and Hostaflon® FEP
- FAP - Used in food packaging
- PFPE - Surface treatment for food contact applications
- Side-Chain Fluorinated Polymers - Surface treatment for water-, stain-. and grease-proofing

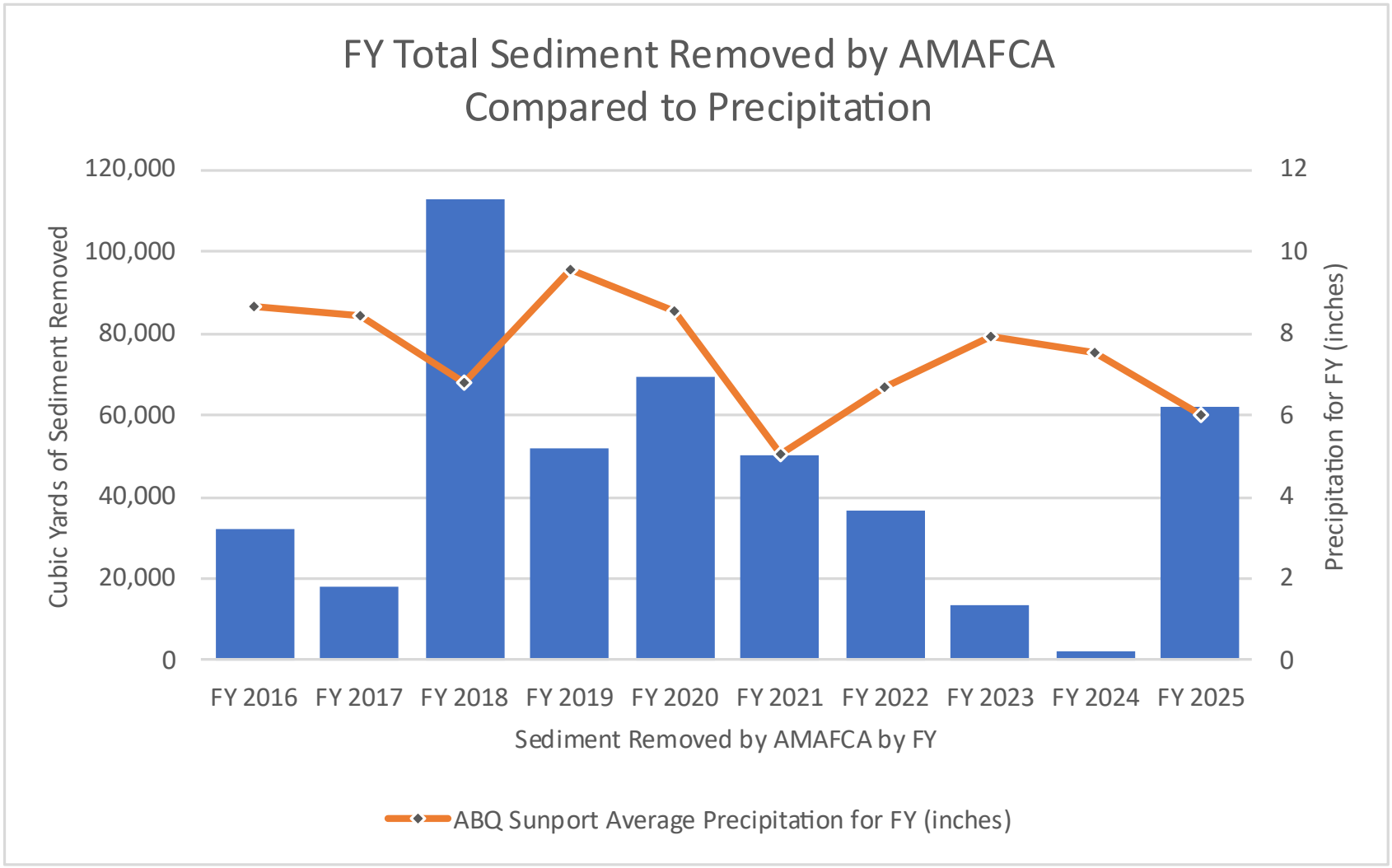
Summary of AMAFCA's MS4
Sediment Pollutant Load Reduction Program
FY 2025 (July 1, 2024 – June 30, 2025)

NPDES Permit No. NMR04A000
Part I.C.3.b - Endangered Species Act (ESA) Requirements –
Sediment Pollutant Load Reduction Strategy

The purpose of this program is to establish a procedure for AMAFCA to develop, implement, and evaluate a sediment pollutant load reduction strategy within the Municipal Separate Storm Sewer System (MS4). All AMAFCA projects are regional flood control or water quality projects. Stormwater runoff from other MS4s enter AMAFCA facilities, which function as both regional flood control facilities and Best Management Practices (BMPs) to remove sediment from stormwater before the stormwater continues to the Rio Grande. All of these facilities can be seen on the AMAFCA Maintenance Map which can be found on AMAFCA's website (at https://amafca.org/documents/Maintenance_Map.pdf).

In the Middle Rio Grande MS4 area, AMAFCA is not adversely contributing to the sediment pollutant load but rather functioning to capture the sediment pollutant load generated throughout the watershed by MS4s contributing runoff to AMAFCA facilities. A large portion of AMAFCA's routine Operation and Maintenance (O&M) activities include sediment removal from its facilities. AMAFCA has implemented a crew tracking system to measure the sediment removal quantities at all of its facilities. This tracks sediment removal at each AMAFCA facility and within each defined watershed in the Albuquerque urban area.

The figures on pages 2-3 highlight AMAFCA's actions related to sediment removal from its facilities.



Graph Highlighting the Watershed-Wide Sediment Removed by AMAFCA Operations



Photos of AMAFCA Sediment Removal & AMAFCA Maintenance Activities

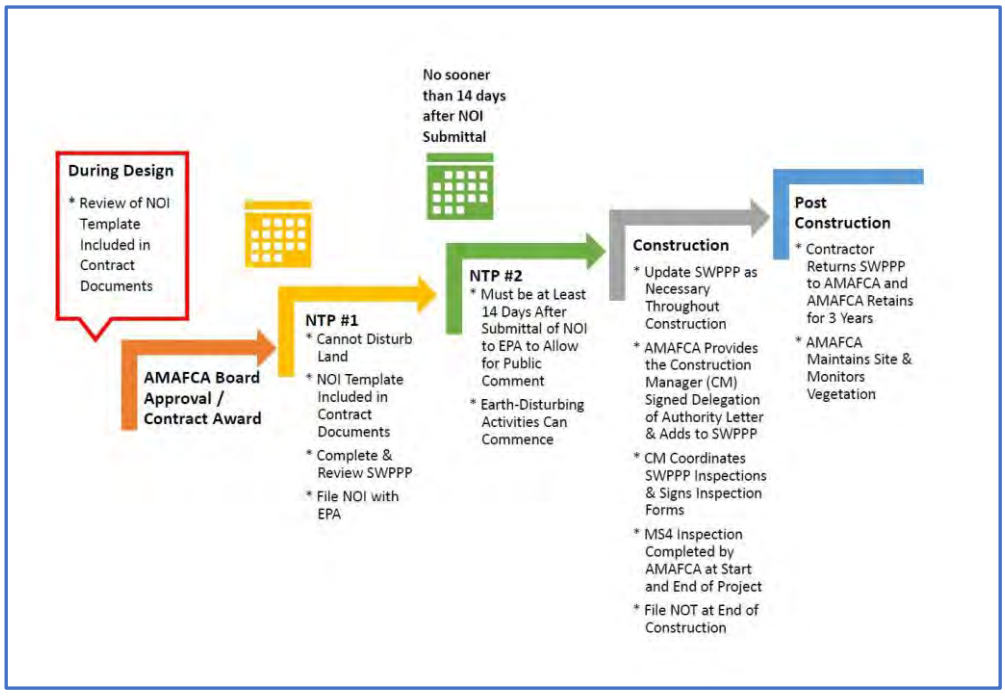
Summary of AMAFCA's MS4
Construction Site Stormwater Runoff Control Program
FY 2025 (July 1, 2024 – June 30, 2025)

NPDES Permit No. NMR04A000

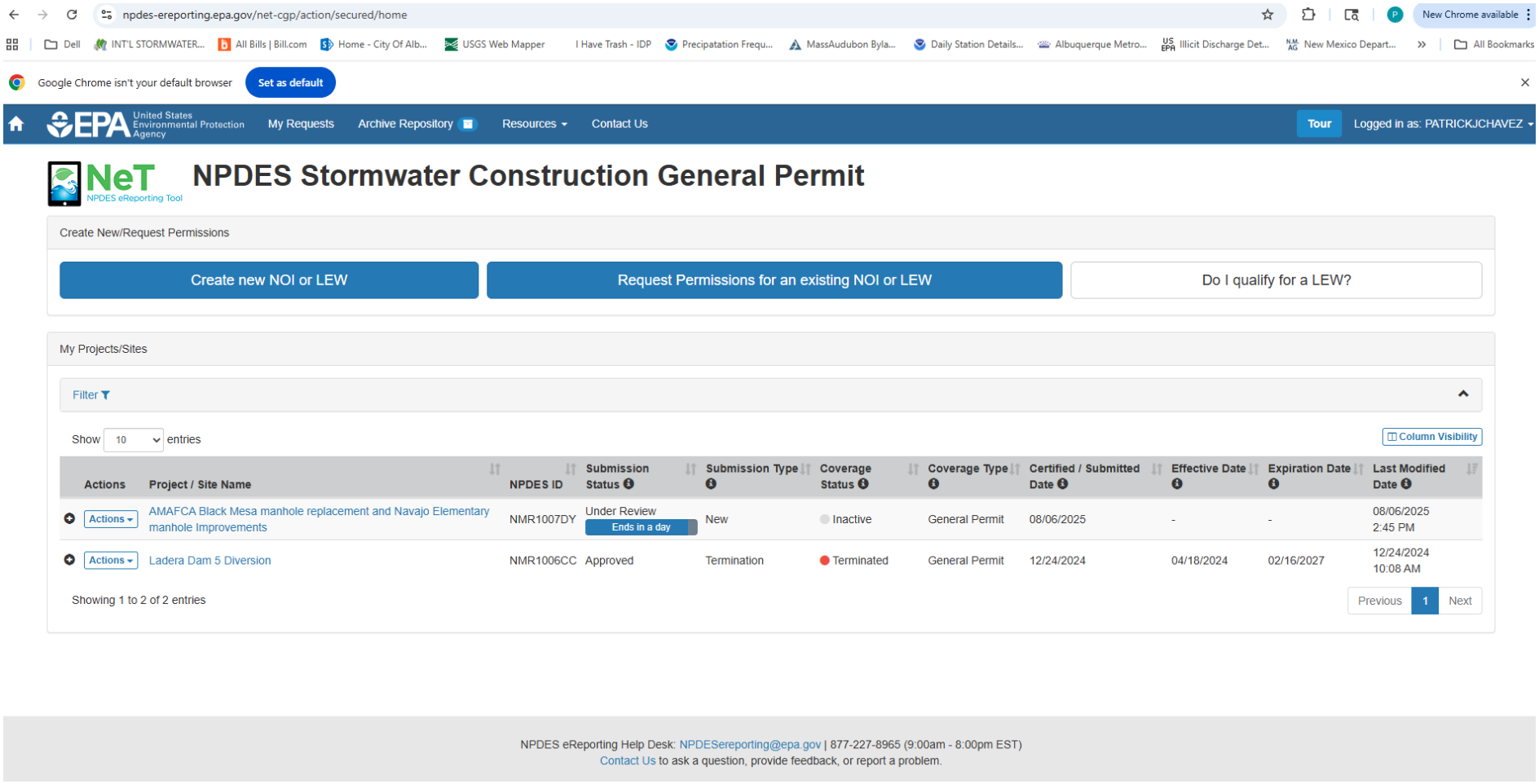
Part I.D.5.a - Construction Site Stormwater Runoff Control Program

Construction site stormwater runoff control is intended to control polluted stormwater runoff from a construction site to Municipal Separate Storm Sewer Systems (MS4s) that is ultimately discharged into local rivers and streams. Sediment is usually the main pollutant of concern for construction site stormwater runoff. Sediment runoff rates from construction sites are typically 10 to 20 times greater than those of agricultural lands, and 1,000 to 2,000 times greater than those of forest lands. During a short period of time, construction sites can contribute more sediment to streams than can be deposited naturally during several decades. In accordance with AMAFCA's Stormwater Management Program (SWMP), AMAFCA has continued and will continue to follow its program to control construction site stormwater runoff.

AMAFCA files Notice of Intent (NOI) documents for a Construction General Permit (CGP) for each of their construction sites that is greater than 1 acre in size. AMAFCA also requires contractors to file CGP NOI documents for any AMAFCA construction sites that are greater than 1 acre in size. AMAFCA reviews each contractor provided Stormwater Pollution Prevention Plan (SWPPP) document to determine their compliance with permit requirements. AMAFCA's timeline related to the CGP requirements, developed as part of the program to control construction site stormwater runoff, is shown below. The second image shows the active AMAFCA construction sites in FY 2025.



AMAFCA's Timeline Related to the CGP Requirements



Screen Shot From EPA's Net NPDES Tool Showing Active AMAFCA CGP NOIs

During FY 2025, AMAFCA continued to follow their program to control construction site stormwater runoff to reflect the 2022 CGP requirements. This included continued utilization of the Template & Instructions for Electronic CGP Notice of Intent (NOI) or Low Erosivity Waiver (LEW) Application for AMAFCA Projects, which AMAFCA provides with its construction contract documents to assist contractors and AMAFCA with meeting CGP requirements.

In the fall of 2022, EPA released a new Construction Inspection Training Course for CGP Operators. Construction site operators permitted under EPA's 2022 CGP are required to ensure that any individual conducting site inspections is a "qualified person". The 2022 CGP includes new requirements for qualified persons that apply to all sites that receive permit coverage on or after February 17, 2023. Patrick Chavez, AMAFCA's Storm Water Quality Engineer, completed the EPA course and passed the exam and is considered qualified to conduct inspections under Part 4 of the 2022 CGP. Documentation showing Mr. Chavez's successful completion of the EPA course is shown below.



CERTIFICATE
OF COMPLETION

presented to

Patrick J. Chavez, MSCE, PE,
LEED AP+

who has successfully completed EPA's Construction General Permit (CGP) Site Inspector Training Course
and passed the final exam

Chris Kloss, Water Permits Division Director

Date Certified: 9/22/2022

Expiration Date: May 17, 2027

By completing this course and passing the final exam, Patrick J. Chavez, MSCE, PE, LEED AP+ has complied with the CGP Part 6.3.a training requirements for conducting construction inspections under the 2022 CGP.

EPA
United States
Environmental Protection
Agency

Mr. Chavez successfully completed the EPA CPG Site Inspector Training Course

Summary of AMAFCA's MS4
Post-Construction Stormwater Management Program
FY 2025 (July 1, 2024 – June 30, 2025)

NPDES Permit No. NMR04A000
Part I.D.5.b - Post-Construction Stormwater Management in
New Development and Re-development

Post-construction stormwater runoff is the stormwater that would flow from a project site to the Municipal Separate Storm Sewer System (MS4) after completion of a new development or redevelopment (not during the project construction). Controls for this type of runoff are necessary to maintain or restore stable hydrology in receiving waters by limiting surface runoff rates and volumes and reducing pollutant loadings from sites that undergo development or significant redevelopment.

Post-construction stormwater management in areas undergoing new development or redevelopment is necessary because runoff from these areas has been shown to significantly affect receiving water bodies. The intent of the Post-Construction Stormwater Management requirements in the MS4 Permit, according to the Environmental Protection Agency (EPA), are to:

- Prevent or reduce pollutants in stormwater discharges from reaching the Rio Grande;
- Mimic predevelopment hydrology; and
- Reduce impacts on natural channels and flow paths due to changes in hydrology.

AMAFCA, in conjunction with the area MS4 through the Mid Rio Grande (MRG) Stormwater Quality Team, completed a review and recommendations memo for post-construction stormwater quality design standards in the MRG Watershed in April 2021. Currently, the MRG MS4 permittees approach the stormwater quality design standard slightly differently.

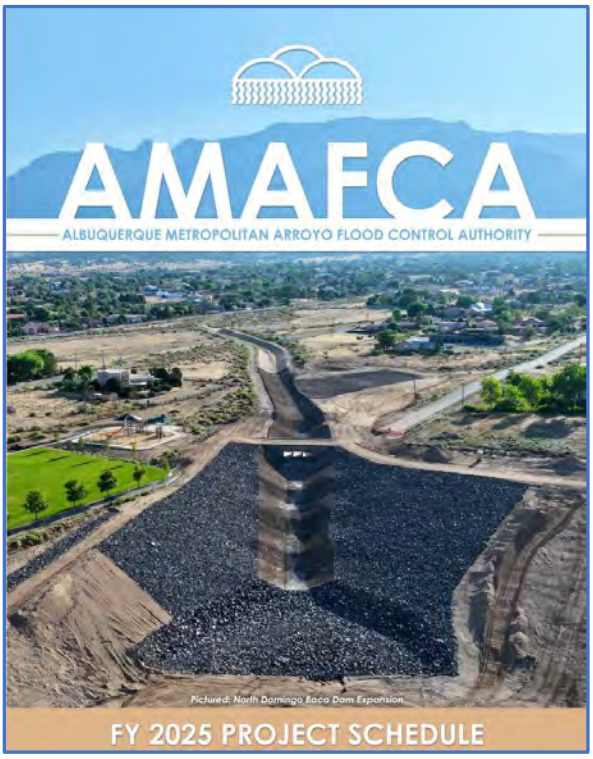
The Post-Construction Stormwater Quality Volume Calculation (SWQV) Comparison Tool was created as part of this task to assist the MRG MS4 permittees with comparing the stormwater quality design standards used within the MRG watershed related to post-construction stormwater management. It was recommended that developers be encouraged to include green stormwater infrastructure (GSI) and low impact development (LID) as well as increased landscape areas to reduce the total impervious area of a site, thereby reducing the required SWQV. It was also recommended that water quality and detention inspections include a review of the original impervious area used in the SWQV calculation to ensure that site modifications have not increased the impervious area of a site. The extent of the application and/or adoption of these recommendations for post-construction stormwater quality design standards and inspections will be determined and implemented by each MS4 permittee. Based on analysis from this document and discussions with New Mexico Environment Department (NMED) and EPA, Bernalillo issued a memorandum on May 12, 2021, that within 30 calendar days, all new development and County

redevelopment projects that disturb equal to or greater than 1 acre or are part of a larger common plan of development, will be required to use the rainfall depth to calculate the SWQV for impervious areas (including compacted areas) – this is available on the Bernalillo County website: https://www.bernco.gov/public-works/wp-content/uploads/sites/76/2021/05/SWQV_Calculation_memo_051221_encrypted.pdf

AMAFCA's Drainage Management Plans (DMPs) calculate flood protection and water quality volumes for a given subwatershed's facilities that can accommodate the SWQV independent of the rainfall/runoff numbers used to calculate required on-site retention. AMAFCA's planning documents comply with the MS4 Permit by limiting the discharge from within a subwatershed to the pre-development flow condition. AMAFCA's facilities are designed to attenuate the runoff from a storm event such that the river's flow conditions are essentially unaffected by new development and/or redevelopment.

AMAFCA's development engineer participates in area development reviews and often has the opportunity to comment on and request water quality components for projects. In addition, the AMAFCA Storm Water Quality Engineer participates in reviews subdivision reviews completed by Ciudad Soil and Water Conservation District, in accordance with their authority [47-6-11(F)(4) NMSA]. These reviews often cross-check with area terrain management plans and focus on post-construction runoff quantity, stormwater retention ponds, GSI/LID options, post-construction velocities, and maintenance requirements.

The AMAFCA Project schedule (2025 AMAFCA Project Schedule Report.pdf) identifies future planning efforts, joint funding initiatives, and design and construction projects that AMAFCA hopes to accomplish over the next 6 years. Planned stormwater quality projects are prioritized as required by the MS4 Permit. The prioritization assists AMAFCA and its Board of Directors in its mission to protect life and property. Projects subject to this scoring have a strong affinity towards water quality improvements, however, projects included in the Project Schedule which are not scored for water quality may still include water quality aspects as part of their scope. The tables below provide a summary of the scoring criteria, priority screening, and water quality facilities costs.



Total Cost	Points
Less than $1M	2
Greater than $1M but less than $2M	1
Greater than $2M	0

Total project cost will ultimately determine the feasibility of a proposed project. As such, projects will be scored based on their total estimated project cost. The point scale below describes how points are assigned based on total project cost.

Flow Path to the Rio Grande	Points
Project only WQ Facility in path	3
Provides Opportunity for future WQ Project	2
Project Downstream of existing WQ Facility	1
Project Upstream of existing WQ Facility	1

Location along a flow path to the Rio Grande was also taken into consideration when assigning points to each project. Projects are scored higher if they are the only stormwater quality facility along the flow path to the Rio Grande, and lower if there is a facility(ies) above or below the proposed project. The point scale below describes points are assigned based on this location.

Bosque Bonus	Points
Within Bosque	2
Not Within Bosque	0

If a stormwater quality facility is located within the Bosque - the forested area surrounding the riparian zone of the Rio Grande floodplain - the project was awarded a "bonus" for being the ultimate water quality control measure before stormwater reaches the Rio Grande. The point scale below describes how the bonus points were assigned based on the above criteria.

Total Points Scale: 1-7

AMAFCA Project Schedule Water Quality Facility Scoring Criteria

AMAFCA FY25 Project Schedule Priority Scoring for WATER QUALITY (as required by EPA's MS4 Permit)				
Project	**Cost**	**Flow Path**	**Bosque Bonus**	**Total Points**
Agency and Area Wide	0	2	0	2
AMAFCA Dam EAP's	2	0	0	2
AMAFCA Drainage Master Plan Updates	1	1	0	2
AMAFCA Telemetry Phase 2	1	2	0	3
Amole Arroyo & Hubbell Channel Modifications	0	1	0	1
Black Mesa Phase 1 Manhole Upgrades	1	3	2	6
Calabacillas GCS	0	1	0	1
Desert & 2nd Street Pond	0	1	0	1
Grantline Water Quality Lining	2	1	0	3
Hubbell Dam Expansion	0	0	0	0
Industry Way Storm Drain	0	1	0	1
Internation District Library Pond	2	1	0	3
Misc. Construction Projects	0	2	0	2
Misc. Real Estate Acquisition	0	2	0	2
NDC/SDC Channel Surveys	2	0	0	2
North ABQ Acres	2	0	0	2
North Unser Pond	1	1	0	2
Paradise West Dam	0	1	0	1
Piedras Marcadas Dam Outfall	0	1	2	3
Pino Dam Aux. Spillway Modificaitons	0	0	0	0
Pond E	0	1	0	1
Pond E Outfall	2	1	0	3
Reading & 2nd Street Pond	0	1	0	1
Reading & 2nd Street Pond Outfall	1	1	0	2
SDC Access Project	2	3	0	5
Swinburne Dam Main Branch Drop	0	1	0	1
Swinburne Dam West Branch Drop	0	1	0	1
Trails Drainage Plan Update	2	0	0	2
Zuni-Penn Pond	0	1	0	1

AMAFCA Project Schedule Water Quality Facility Priority Scoring

Facility Name	Lead Agency	Total Est. Cost	AMAFCA Est. Cost	FY25	FY26	FY27	FY28	FY29	FY30	Est. Design Cost	Est. Construction Cost	Partner Agency	Outside Stakeholder(s)
Agency & Area-Wide Flood Control Rehabilitation	AMAFCA	$ 7,500,000	$ 7,500,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,500,000	$ 1,500,000	$ 1,500,000	$ 750,000	$ 6,750,000	-	COA, Other Gov. Agencies
AMAFCA Dam EAPs & Inundation Mapping	AMAFCA	$ 600,000	$ 600,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 600,000		-	EMs, OSE
AMAFCA Drainage Master Plan Updates	AMAFCA	$ 1,800,000	$ 1,800,000	$ 300,000	$ 300,000	$ 300,000	$ 300,000	$ 300,000	$ 300,000	$ 1,800,000		-	COA, BC, Priv. Dev.
AMAFCA Telemetry Phase 2	AMAFCA	$ 1,300,000	$ 1,300,000	$ 200,000		$ 50,000	$ 500,000	$ 50,000	$ 500,000	$ 300,000	$ 1,000,000	-	COA, BC, EMs
Amole Arroyo & Hubbell Channel Modifications	AMAFCA	$ 9,500,000	$ 9,500,000			$ 700,000	$ 4,400,000	$ 4,400,000		$ 1,650,000	$ 7,850,000	-	
Black Mesa Phase 1 Manhole Upgrades	AMAFCA	$ 1,600,000	$ 1,600,000				$ 160,000	$ 1,440,000		$ 160,000	$ 1,440,000	-	USACE, BC
Calabacillas GCS 3a1, 3b1, and Bank Protection	AMAFCA	$ 5,775,000	$ 5,775,000		$ 5,775,000					$ 275,000	$ 5,500,000	-	COA
Desert & 2nd Street Pond	AMAFCA	$ 5,400,000	$ 5,400,000		$ 575,000	$ 4,825,000				$ 575,000	$ 4,825,000	BC	BC
Grantline Water Quality Lining*	AMAFCA	$ 540,000	$ 540,000									-	NMDOT
Hubbell Dam Expansion	AMAFCA	$ 9,250,000	$ 9,250,000	$ 900,000	$ 7,200,000	$ 1,150,000				$ 1,500,000	$ 7,750,000	-	BC, COA, MRGCD, OSE
Industry Way Storm Drain	BC	$ 6,177,000	$ -							$ 660,000	$ 5,516,000	BC	AMAFCA
International District Library Pond & Storm Drain Modifications	COA	$ 800,000	$ 400,000		$ 400,000						$ 400,000	AMAFCA	AMAFCA
Miscellaneous Construction Projects	AMAFCA	$ 2,700,000	$ 2,700,000	$ 450,000	$ 450,000	$ 450,000	$ 450,000	$ 450,000	$ 450,000	$ 600,000	$ 2,100,000	-	
Miscellaneous Real Estate Acquisition	AMAFCA	$ 1,800,000	$ 1,800,000			$ 450,000	$ 450,000	$ 450,000	$ 450,000	$ 1,800,000		-	
North & South Diversion Channel Surveys	AMAFCA	$ 250,000	$ 250,000	$ 250,000						$ 250,000		-	
North Albuquerque Acres - Sandia Heights Hydraulic Analyses	AMAFCA	$ 300,000	$ 150,000	$ 25,000	$ 25,000	$ 25,000	$ 25,000	$ 25,000	$ 25,000	$ 150,000		BC	BC
North Unser Pond	COA	$ 1,650,000	$ 825,000	$ 825,000							$ 825,000	AMAFCA	AMAFCA, NMDOT
Paradise West Dam	AMAFCA	$ 9,300,000	$ 9,300,000	$ 2,250,000					$ 1,000,000	$ 1,500,000	$ 7,800,000	-	OSE
Piedras Marcadas Dam Outfall	AMAFCA	$ 5,100,000	$ 5,100,000			$ 400,000	$ 4,700,000			$ 575,000	$ 4,525,000	-	MRGCD, OSE
Pino Dam Auxiliary Spillway Modifications	AMAFCA	$ 5,103,000	$ 5,103,000				$ 300,000	$ 4,360,000	$ 443,000	$ 560,000	$ 4,543,000	-	OSE
Pond E	AMAFCA	$ 4,200,000	$ 4,200,000						$ 450,000	$ 450,000	$ 3,750,000	BC	BC, MRGCD, BNSF
Pond E Outfall	AMAFCA	$ 1,000,000	$ 1,000,000				$ 300,000	$ 700,000		$ 150,000	$ 850,000	BC	BC, BNSF
Reading & 2nd Street Pond	AMAFCA	$ 3,050,000	$ 3,050,000						$ 350,000	$ 350,000	$ 2,700,000	BC	BC, MRGCD, BNSF
Reading & 2nd Street Pond Outfall	AMAFCA	$ 1,200,000	$ 1,200,000				$ 300,000		$ 900,000	$ 150,000	$ 1,050,000	BC	BC, BNSF
South Diversion Channel Access Project	Priv. Dev.	$ 150,000										AMAFCA	AMAFCA, NMDOT
Swinburne Dam Main Branch Drop Structure	AMAFCA	$ 4,400,000	$ 4,400,000	$ 200,000	$ 4,200,000					$ 400,000	$ 4,000,000	-	COA
Swinburne Dam West Branch Drop Structure	AMAFCA	$ 3,500,000	$ 3,500,000	$ 200,000		$ 3,300,000				$ 400,000	$ 3,100,000	-	COA
Trails Drainage Master Plan Update	AMAFCA	$ 250,000	$ 250,000	$ 250,000						$ 250,000		COA	COA, Priv. Dev.
Zuni-Penn Pond	AMAFCA	$ 9,700,000	$ 4,850,000	$ 2,000,000	$ 6,000,000	$ 1,700,000					$ 9,700,000	COA	COA
Total Cost for all Projects		$ 103,895,000	$ 91,343,000	AMAFCA Cost for all Projects									

BC - Bernalillo County
BNSF - Burlington Northern Santa Fe Railway
COA - City of Albuquerque
EMs - Emergency Managers/Responders
MRGCD - Middle Rio Grande Conservancy District
NMDOT - NM Department of Transportation
OSE - NM Office of the State Engineer - Dam Safety Bureau
USACE - US Army Corps of Engineers

*Costs are assumed to be partially or totally expended in FY24

AMAFCA Project Schedule Water Quality Facility Costs

In addition, AMAFCA has been a supporter of the annual Land and Water Summit in the Albuquerque area. The Land and Water Summit was created in 1986 by the Xeriscape Council of New Mexico. Developed to bring together design professionals, construction and management companies, agencies, farmers, artists, teachers, hydrologists, ranchers, climatologists, wildlife advocates, homeowners, and policy makers to find sustainable ways to protect and share our state's water and resources, the event is now hosted by Ciudad Soil and Water Conservation District, which serves as the event's fiscal agent. The group's primary goal is to educate the public about resource conservation and best practices for improving and protecting local landscapes – which ties well with the MS4 Post-Construction Stormwater Management education requirements. AMAFCA continued to be a financial sponsor as well as an active member on the planning committee (refer to image on the next page). For information on the 2025 Land and Water Summit, please visit the conference website: [The 2025 Land and Water Summit ‣ The Land and Water Summit](https://www.landandwatersummitnm.org) (https://www.landandwatersummitnm.org)

Thanks for Your Support!



Committee Members:

- **Steve Glass, Chair** • *Ciudad Soil and Water Conservation District*
- **Erin Blaz** • *Ciudad Soil and Water Conservation District*
- **Kali Bronson** • *Bernalillo County*
- **Patrick Chavez** • *Albuquerque Metropolitan Arroyo Flood Control Authority*
- **Sarah Ganley** • *Bohannan Huston, Inc.*
- **David Gatterman** • *Southern Sandoval County Arroyo Flood Control Authority*
- **Megan Marsee** • *Bernalillo County*
- **Annie Montes** • *Ciudad Soil and Water Conservation District, MRG Urban Waters Federal Partnership*
- **joni palmer** • *UNM Southwest Environmental Finance Center*
- **Richard Perce** • *Groundwork Studio*
- **Jayce Proctor** • *Environmental protection Agency*
- **George Radnovich** • *Sites Southwest*
- **Carla Salazar** • *Southern Sandoval County Arroyo Flood Control Authority*
- **Phyllis Baker, Consultant** • *Baker Creative*

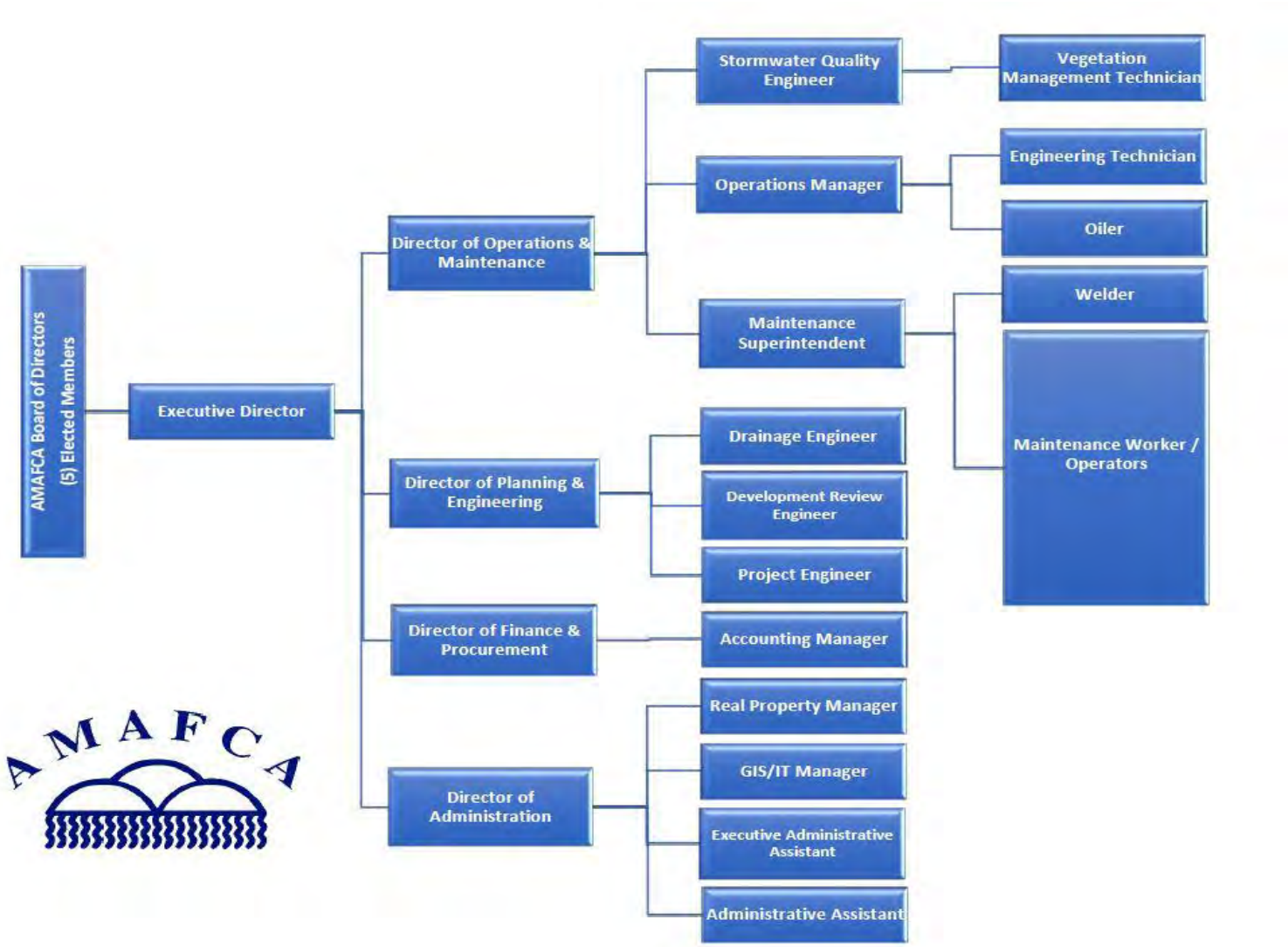
2025 Land and Water Summit Planning Committee

Summary of AMAFCA's MS4
Pollution Prevention/Good Housekeeping Program
& Control of Floatables Program
FY 2025 (July 1, 2024 – June 30, 2025)

NPDES Permit No. NMR04A000
Part I.D.5.c - Pollution Prevention/Good Housekeeping for Municipal/Co-permittee Operations
and Part I.D.5.f - Control of Floatables Discharges

AMAFCA, from its elected Board to its Executive Director to its maintenance crew, prioritizes the maintenance, operations, and aesthetics of its facilities. As a result, pollution prevention, good housekeeping, and control of floatables are inherent to AMAFCA activities and are part of the AMAFCA culture. In FY 2025, AMAFCA reclassified several positions and updated its organizational chart. (See page 2.) With AMAFCA being a non-traditional Municipal Separate Storm Sewer System (MS4), its pollution prevention and good housekeeping program differs from other MS4s in the community in that its program extends throughout the watershed rather than focusing primarily on industrial-type facilities. In accordance with AMAFCA's Stormwater Management Program (SWMP), AMAFCA has followed and will continue to follow its program practices. AMAFCA's pollution prevention, good housekeeping, and control of floatables practices pertain to all AMAFCA facilities.

For example, as part of this MS4 Program and through regular business operations, AMAFCA conducts regular inspections and maintenance throughout the watershed for infrastructure that includes 22 flood control dams, 55 smaller flood- control ponds, 78 miles of arroyo channels, 130 water quality structures, 11 miles of underground conduit structures, and 12 miles of dikes and diversion structures. Related to infrastructure, AMAFCA has become a regional leader in integrating flood control infrastructure and stormwater quality facilities. AMAFCA stormwater quality and debris removal facilities annually collect an average of 48,000 cubic yards of sediment and 1,700 cubic yards of trash/floatables from stormwater before the runoff enters the Rio Grande. The Watershed Based MS4 Permit has an additional minimum control measure (MCM) from the typical six MCMs in MS4 Permits that focuses on the control of floatables. Control of floatables ties into pollution prevention and good housekeeping measures and is another area where AMAFCA programs have a widespread, positive impact to the watershed.



AMAFCA Organizational Chart

AMAFCA Stormwater Quality Engineer regularly communicates to the AMAFCA Board about the MS4 Minimum Control Measures (MCMs) and Special Conditions as identified in the Stormwater Management Program (SWMP), including pollution prevention, good housekeeping, and control of floatables practices. Below is a list of stormwater quality program presentations to the AMAFCA Board in FY 2025:

- July 25, 2024 – The Stormwater Quality Engineer presented the FY 2024 Program Update. The AMAFCA Board memorandum and AMAFCA Board presentation PowerPoint slides are included as attachments to the Public Education, Outreach, Involvement, and Participation Program Summary.

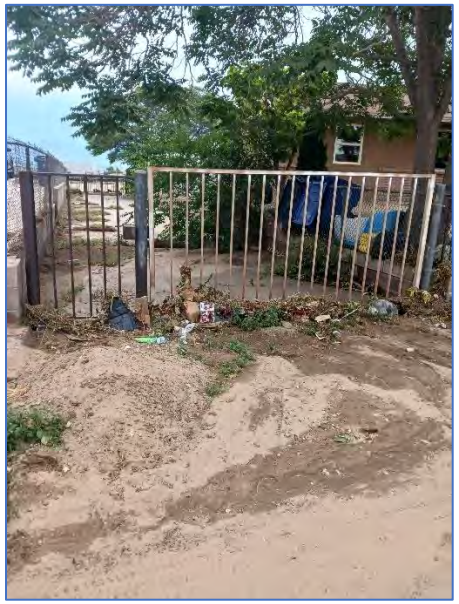
- September 26, 2024 – The Stormwater Quality Engineer presented General Review of Minimum Control Measures (MCMs) and a summary of the StormCon conference (August 27-29, 2024). The AMAFCA Board agenda and memorandums are included as attachments to the Public Education, Outreach, Involvement, and Participation Program Summary.

- October 24, 2024 – The Stormwater Quality Engineer presented a review of the Public Education, Outreach, Involvement, and Participation MCM and a summary of the StormCon conference (August 27-29, 2024). The AMAFCA Board memorandum and AMAFCA Board presentation PowerPoint slides are included as attachments to the Public Education, Outreach, Involvement, and Participation Program Summary.

- November 21, 2024 – The Stormwater Quality Education Coordinator presented the 2024 Program Review. The AMAFCA Board agenda and AMAFCA Board presentation PowerPoint slides are included as attachments to the Public Education, Outreach, Involvement, and Participation Program Summary.

- February 27, 2025 – The Stormwater Quality Engineer presented information about the Illicit Discharges and Improper Disposal program. The AMAFCA Board agenda and memorandum are included as attachments to the Illicit Discharges and Improper Disposal Program Summary.

AMAFCA utilizes a detailed crew tracking system to document the AMAFCA crew maintenance and operations activities, many of which support these MS4 Program activities. The tracking includes a list of all AMAFCA facilities, organized by drainage basin. The photos and graphs below highlight the watershed-wide trash, debris, and sediment removed by AMAFCA operations.



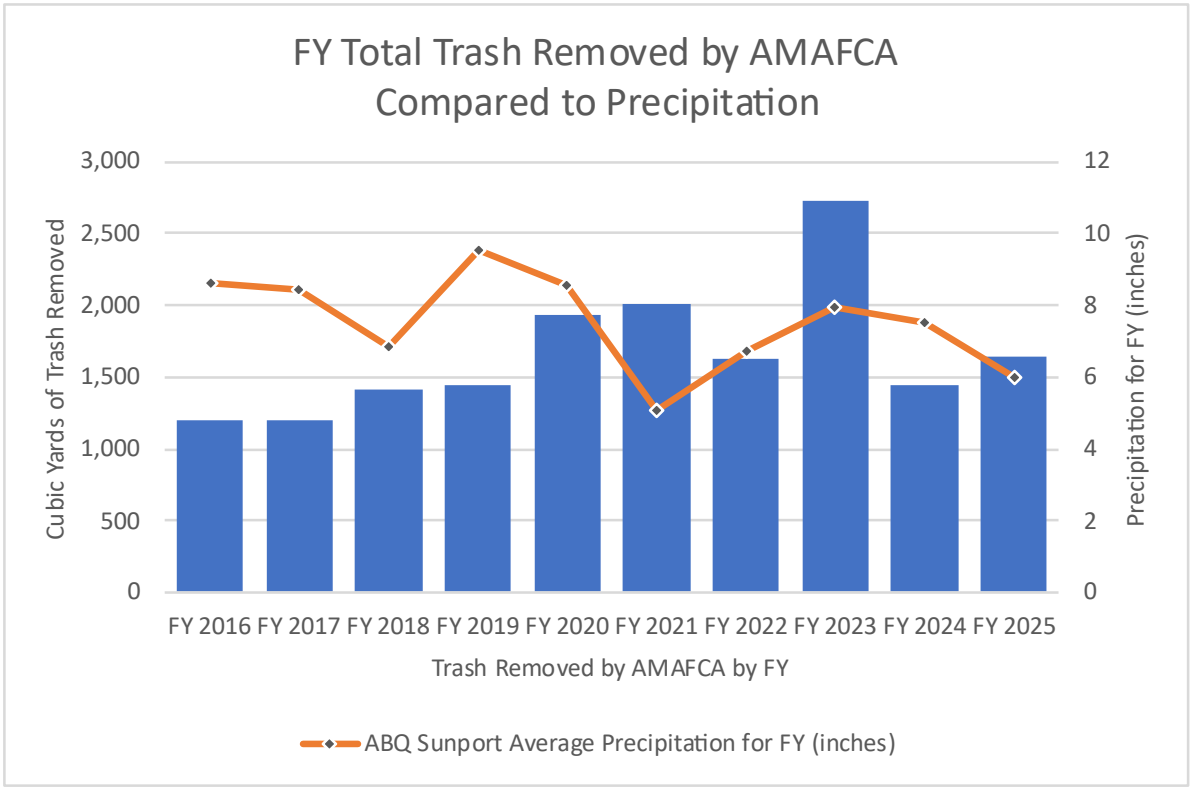




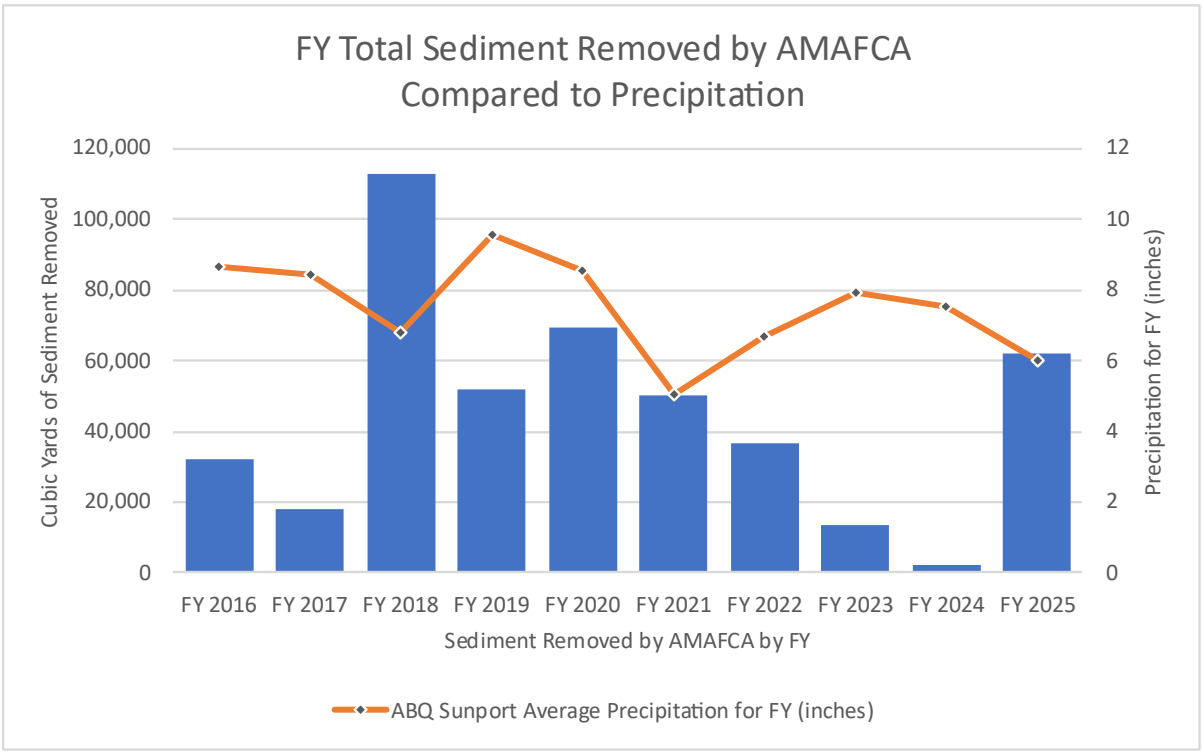




AMAFCA Maintenance Capturing Pollutants in AMAFCA Facilities Before They Enter the Rio Grande



Graph Highlighting the Watershed-Wide Trash Removed by AMAFCA Operations



Graph Highlighting the Sediment Removed by AMAFCA Operations



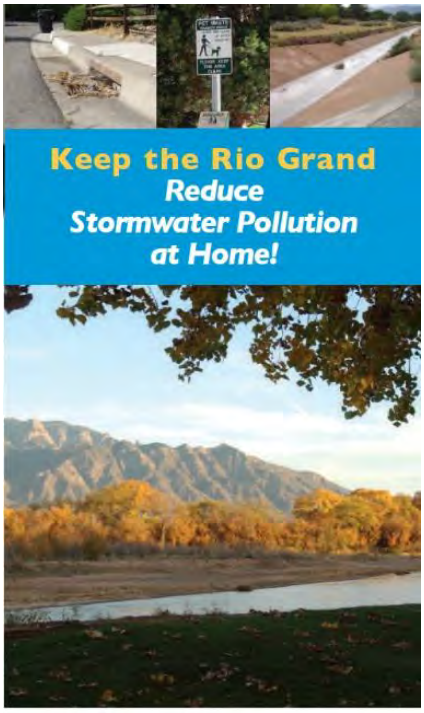




AMAFCA Vegetation Removal Activities – Including Use of Local Tumbleweeds to Create the Famous Annual AMAFCA Snowman

The Pollution Prevention/Good Housekeeping Program & Control of Floatables Program requires a litter source control program, including a public awareness campaign and employee training. AMAFCA is a member of the Mid Rio Grande Stormwater Quality Team (MRGSQT – https://keeptheriogrand.org/), which has grown to 12 organizations who leverage their resources to ensure MS4 Permit public education and outreach requirements are met with the goal of preventing and reducing stormwater pollution throughout the watershed from reaching the Rio Grande. AMAFCA will continue to collaborate with the MRGSQT and MS4 permittees for the existing litter source control program, including a targeted public awareness campaign as well as coordinated training programs.



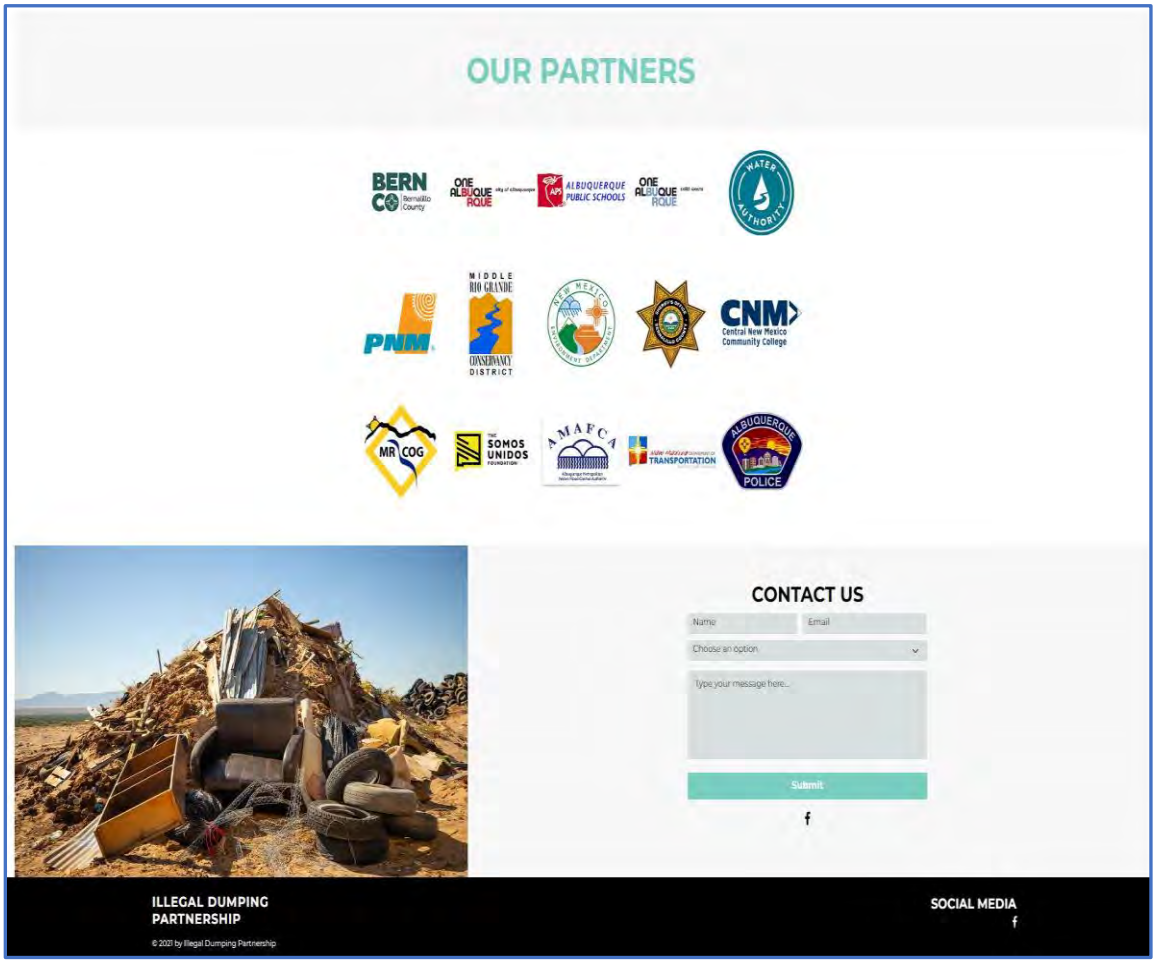


Mid Rio Grande
Stormwater Quality Team
www.keeptheriogrand.org

MRGSQT Outreach Examples – Kiosk and Brochure

AMAFCA is also a partner in the watershed's Illegal Dumping Partnership (IDP), a multi-agency task force founded to help combat illegal dumping (https://www.ihavetrash.com/ and https://www.bernco.gov/planning/let-s-talk-trash-.aspx).





Screen Shots from IDP Website

Summary of AMAFCA's MS4
Illicit Discharges and Improper Disposal Program
FY 2025 (July 1, 2024 – June 30, 2025)

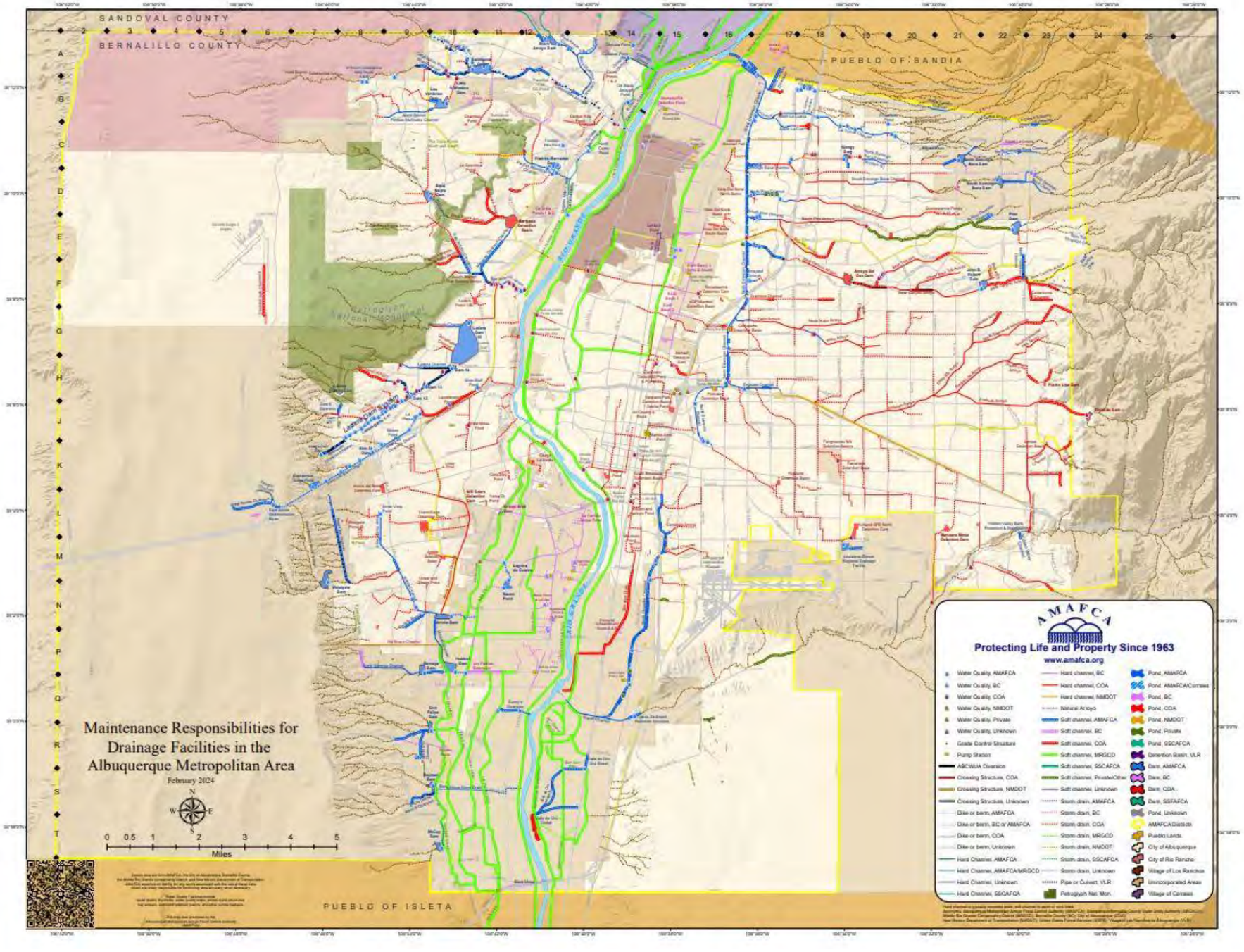
NPDES Permit No. NMR04A000
Part I.D.5.e - Illicit Discharge and Improper Disposal

AMAFCA's successful Illicit Discharge and Improper Disposal Control Program depends on strong collaborative programs and community relationships, as well as AMAFCA's commitment to addressing illicit discharges. AMAFCA has teamed with the City of Albuquerque on its 311 Community Contact Center hotline (includes website and phone app) for reporting illicit discharges. All AMAFCA staff are trained to address illicit discharge reports. AMAFCA has created forms and procedures for this program, as well as provided staff education. In accordance with AMAFCA's Stormwater Management Plan (SWMP), AMAFCA has and will continue to follow its procedures and practices to detect and eliminate illicit discharges.

This program uses GIS to track illicit discharge reports and identify areas of concern where additional public outreach and education may be needed. AMAFCA is the leader in the watershed for its Maintenance Responsibilities for Drainage Facilities in the Albuquerque Metropolitan Area. The AMAFCA map on page 2 represents facilities throughout the Albuquerque Metropolitan Area for multiple agencies and is essential for ensuring that proper organizations are contacted and involved in any illicit discharge reports, assessment, removal, and/or enforcement. This AMAFCA map meets MS4 Permit requirements in Section I.D.5.e.(i)(a).

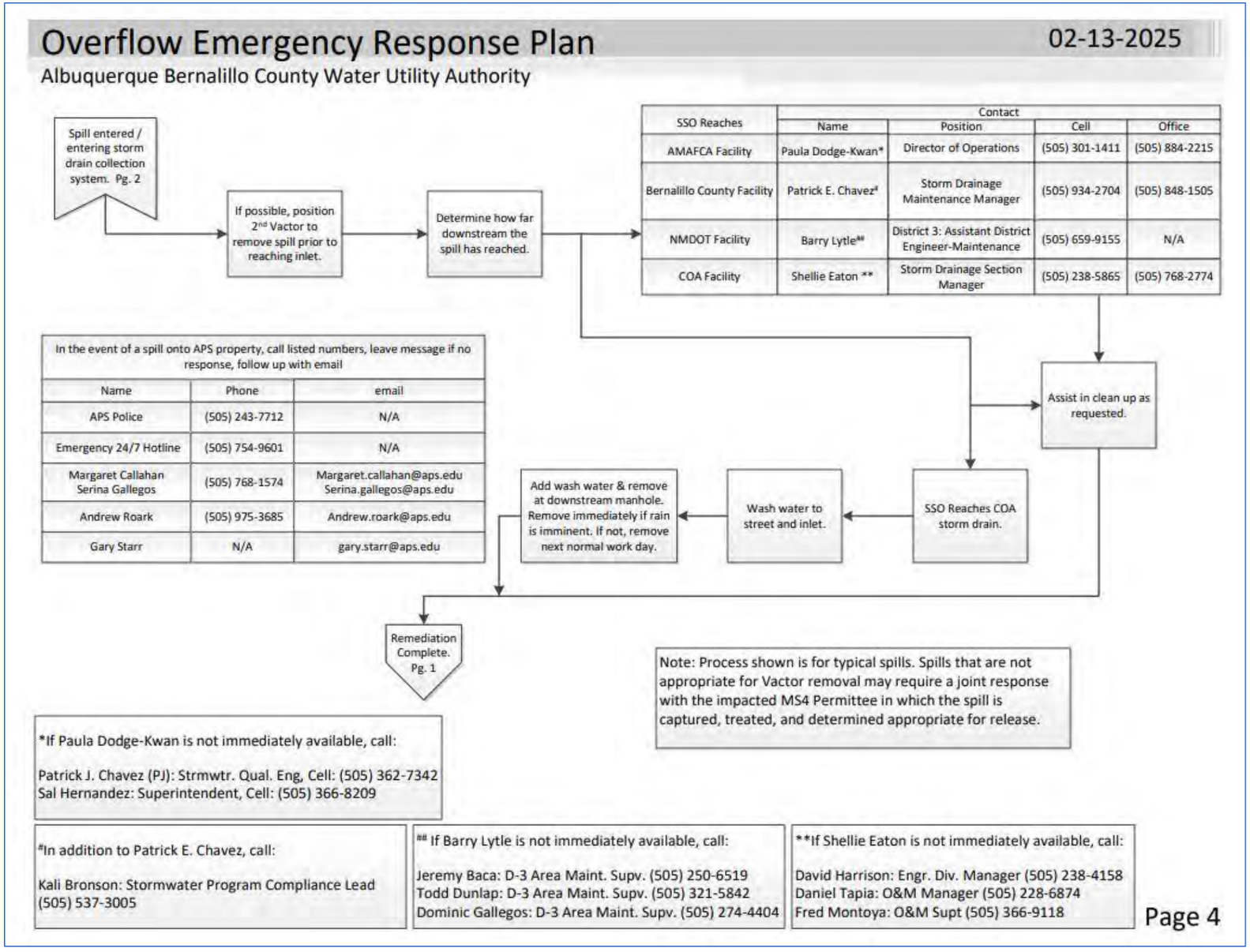
AMAFCA also continuously looks for opportunities to add dry weather screening to assist with identifying potential illicit discharges to its numerous projects, leveraging opportunities where staff or consultants are already out in the field. AMAFCA has the added benefit of professional on-staff maintenance crew members who are working throughout their jurisdiction and are equipped and educated to detect illicit discharges. The visual screening is important to ensure AMAFCA meets the MS4 Permit requirements in I.D.5.e.(i)(c)(A).

AMAFCA Stormwater Quality Engineer regularly communicates to the AMAFCA Board about the MS4 Minimum Control Measures (MCMs) and Special Conditions as identified in the Stormwater Management Program (SWMP), including illicit discharge and improper disposal control practices. At the February 27, 2025, AMAFCA Board meeting, the Stormwater Quality Engineer presented information about the Illicit Discharge and Improper Disposal program. The AMAFCA Board agenda and memorandum are included as attachments to this Program Summary.



AMAFCA's Maintenance Responsibilities for Drainage Facilities in the Albuquerque Metropolitan Area Map
https://amafca.org/documents/Maintenance_Map.pdf

Related to collaborative programs and community relationships, AMAFCA continues to coordinate closely with the Albuquerque Bernalillo County Water Utility Authority (ABCWUA) as well as other area agencies, as shown in the ABCWUA's Collection System Overflow Emergency Response Plan (one page included below – full plan available online: https://www.abcwua.org/wp-content/uploads/2025/03/OERP_02-13-2025_Final.pdf). This plan helps ensure that the community responds to and cleans up spills that enter the storm drain collection system. In addition, AMAFCA continues to coordinate with the ABCWUA, who informs AMAFCA of any Sanitary Sewer Overflows (SSOs) that potentially impacts AMAFCA facilities. AMAFCA receives monthly Discharge Monitoring Reports (DMRs) that are evaluated to ensure an SSO did not adversely impact AMAFCA facilities. Below are maps of FY 2025 SSOs.



Overflow Emergency Response Plan

02-13-2025

Albuquerque Bernalillo County Water Utility Authority

Spill entered / entering storm drain collection system. Pg. 2

If possible, position 2nd Vactor to remove spill prior to reaching inlet.

Determine how far downstream the spill has reached.

SSO Reaches	Contact			
	Name	Position	Cell	Office
AMAFCA Facility	Paula Dodge-Kwan*	Director of Operations	(505) 301-1411	(505) 884-2215
Bernalillo County Facility	Patrick E. Chavez#	Storm Drainage Maintenance Manager	(505) 934-2704	(505) 848-1505
NMDOT Facility	Barry Lytle##	District 3: Assistant District Engineer-Maintenance	(505) 659-9155	N/A
COA Facility	Shellie Eaton **	Storm Drainage Section Manager	(505) 238-5865	(505) 768-2774

Assist in clean up as requested.

In the event of a spill onto APS property, call listed numbers, leave message if no response, follow up with email

Name	Phone	email
APS Police	(505) 243-7712	N/A
Emergency 24/7 Hotline	(505) 754-9601	N/A
Margaret Callahan Serina Gallegos	(505) 768-1574	Margaret.callahan@aps.edu Serina.gallegos@aps.edu
Andrew Roark	(505) 975-3685	Andrew.roark@aps.edu
Gary Starr	N/A	gary.starr@aps.edu

SSO Reaches COA storm drain.

Wash water to street and inlet.

Add wash water & remove at downstream manhole. Remove immediately if rain is imminent. If not, remove next normal work day.

Remediation Complete. Pg. 1

Note: Process shown is for typical spills. Spills that are not appropriate for Vactor removal may require a joint response with the impacted MS4 Permittee in which the spill is captured, treated, and determined appropriate for release.

*If Paula Dodge-Kwan is not immediately available, call:

Patrick J. Chavez (PJ): Strmwtr. Qual. Eng, Cell: (505) 362-7342
Sal Hernandez: Superintendent, Cell: (505) 366-8209

#In addition to Patrick E. Chavez, call:

Kali Bronson: Stormwater Program Compliance Lead (505) 537-3005

If Barry Lytle is not immediately available, call:

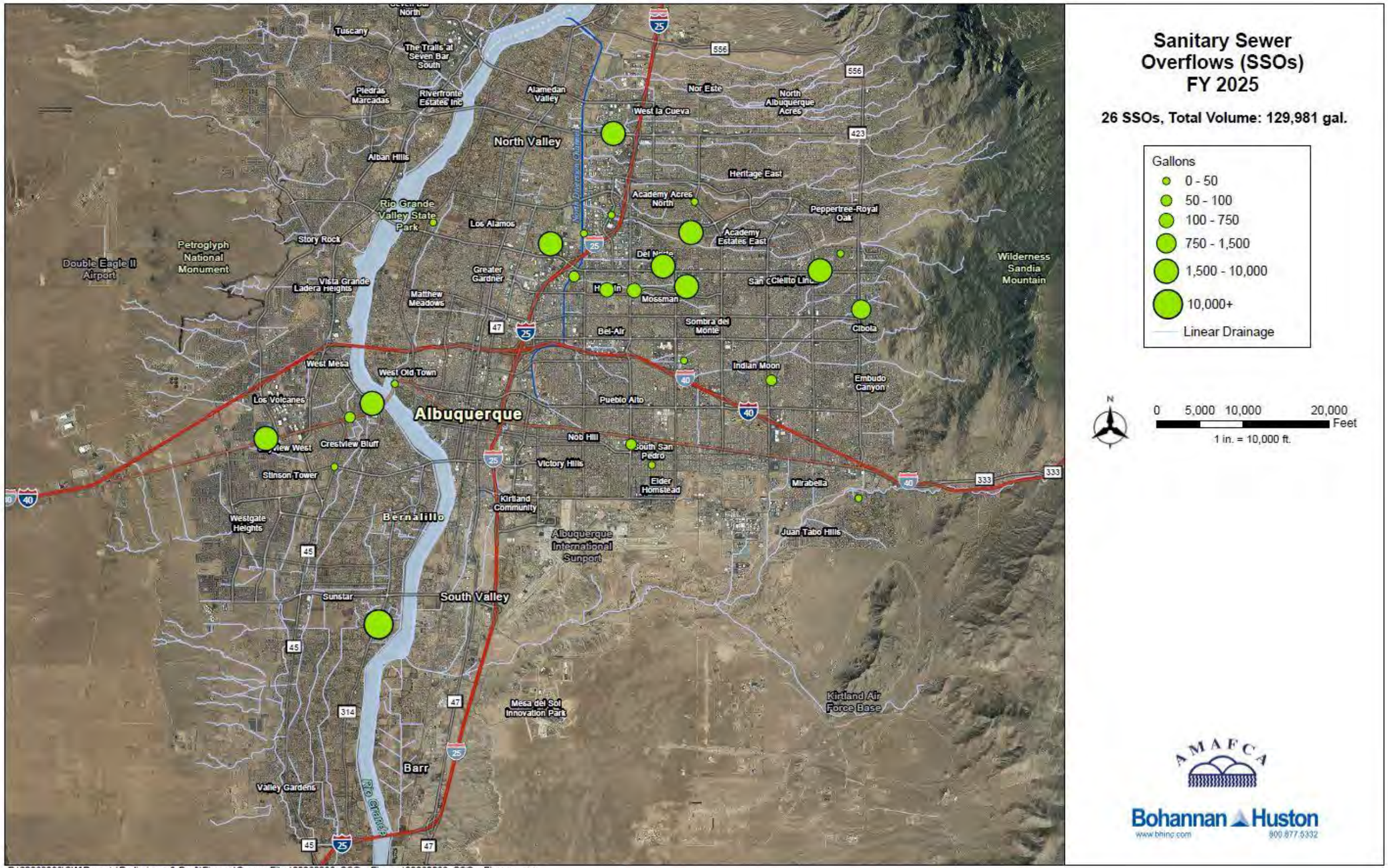
Jeremy Baca: D-3 Area Maint. Supv. (505) 250-6519
Todd Dunlap: D-3 Area Maint. Supv. (505) 321-5842
Dominic Gallegos: D-3 Area Maint. Supv. (505) 274-4404

**If Shellie Eaton is not immediately available, call:

David Harrison: Engr. Div. Manager (505) 238-4158
Daniel Tapia: O&M Manager (505) 228-6874
Fred Montoya: O&M Supt (505) 366-9118

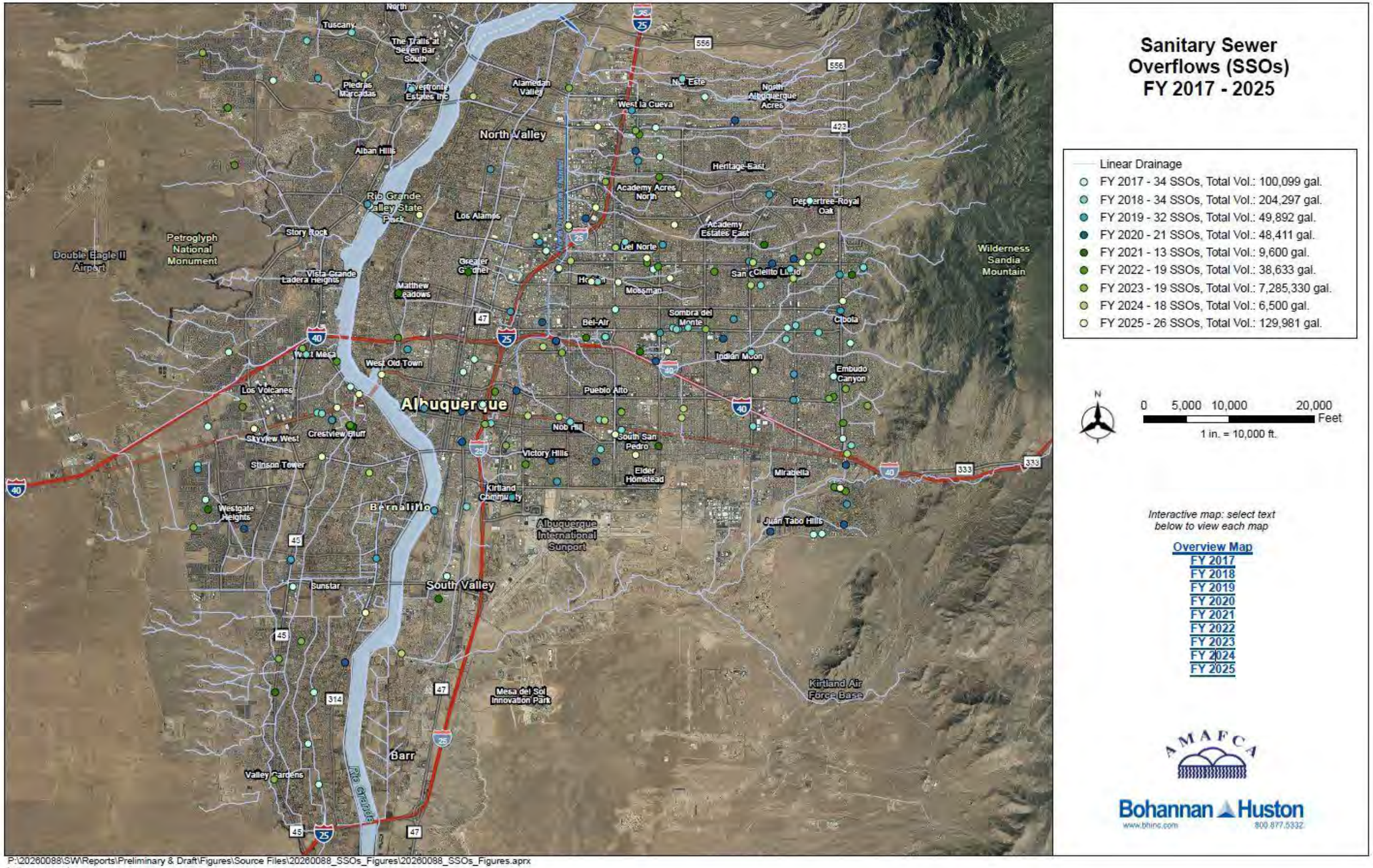
Page 4

Page From ABCWUA's Overflow Emergency Response Program



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Author: mcrooks

Figure showing FY 2025 Sanitary Sewer Overflows (SSOs) Data Within the City of Albuquerque from ABCWUA Discharge Monitoring Reports for SSO



P:\20260088\SW\Reports\Preliminary & Draft\Figures\Source Files\20260088_SSOs_Figures\20260088_SSOs_Figures.aprx
Author: mcrooks

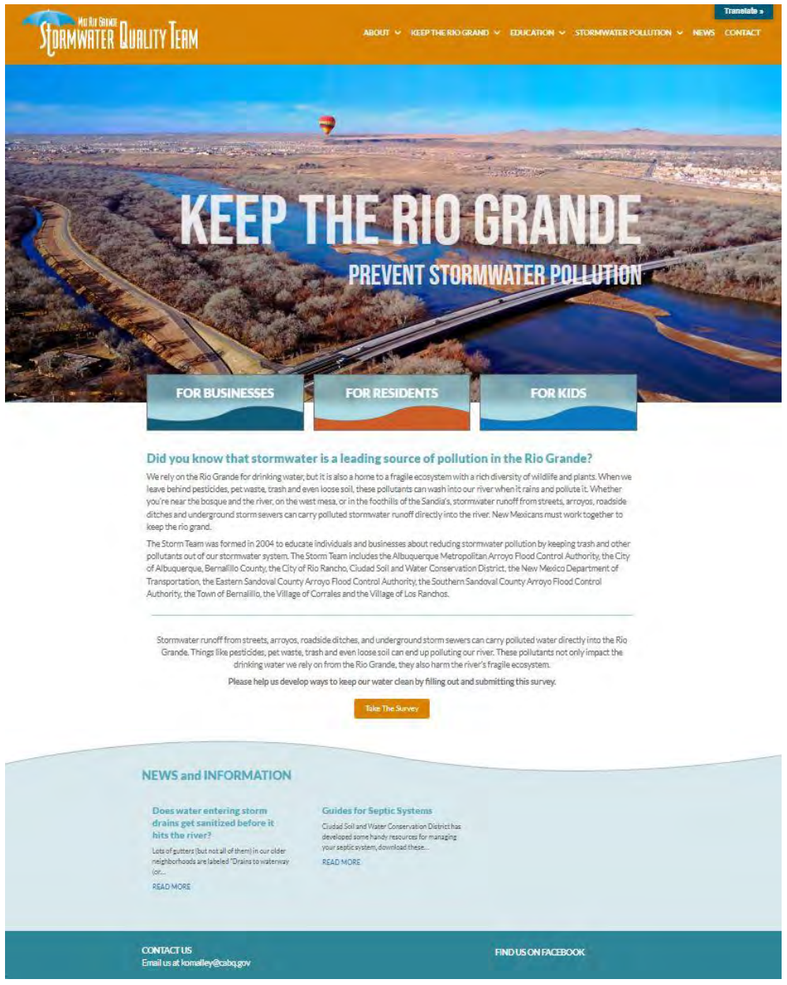
Figure showing SSOs Historical Data Within the City of Albuquerque from ABCWUA Discharge Monitoring Reports for SSOs
This is provided to AMAFCA as an interactive pdf, allowing the user to see the results of prior Discharge Monitoring Reports.

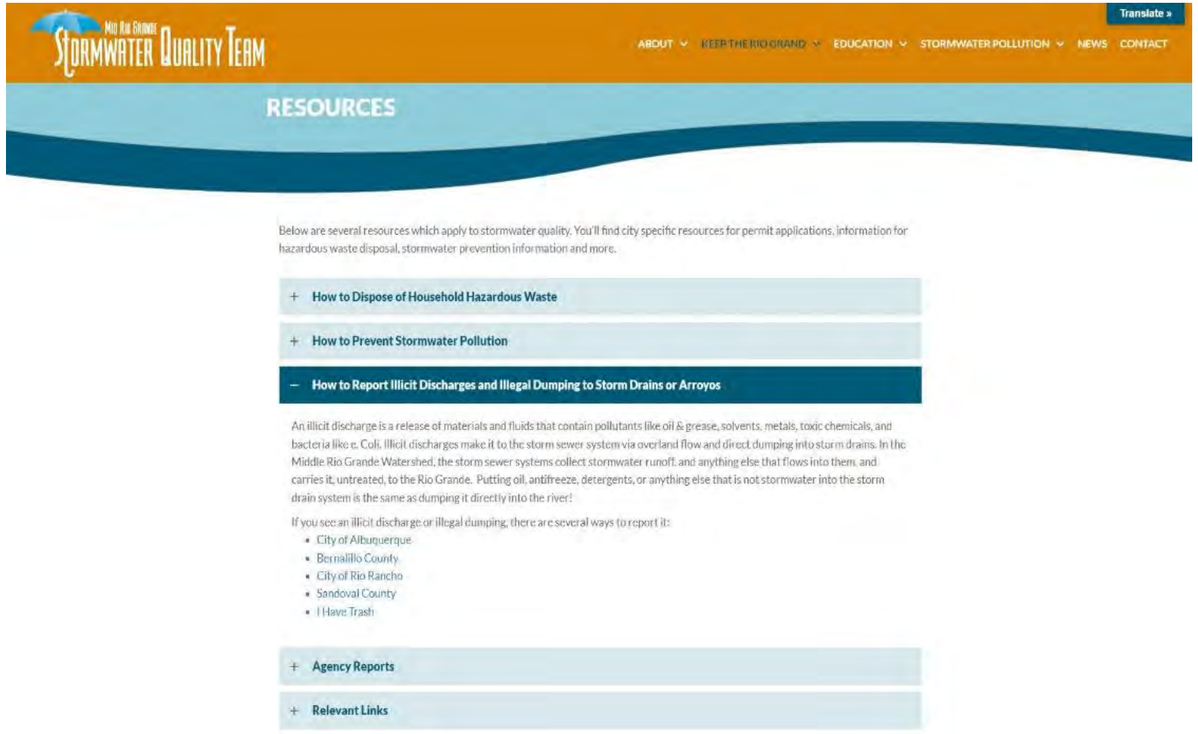
As an example of AMAFCA's response to illicit discharges, in FY 2025, an ABCWUA sanitary sewer spill occurred in February 2025 for a duration of over one (1) week. AMAFCA constructed berms as a first response to the spill. Due to the action of AMAFCA, the spill did not reach the river and went to AMAFCA's Piedras Marcadas which was able to hold the spill until it could be cleaned up. NMED was contacted in response to this spill by the agencies involved in the response efforts.



Illicit Discharge Response with AMAFCA Constructed Berms

In addition, AMAFCA is a member in the cooperative Municipal Separate Storm Sewer System (MS4) Technical Advisory Group (TAG), which facilitates cooperation and coordination with other MS4s in the Middle Rio Grande related to the illicit discharge and improper disposal control program. AMAFCA is also a member of the Mid Rio Grande Stormwater Quality Team (MRGSQT – https://keeptheriogrand.org/), which has grown to 12 organizations who leverage their resources to ensure MS4 Permit public education and outreach requirements are met with the goal of preventing and reducing stormwater pollution throughout the watershed from reaching the Rio Grande. The MRGSQT provides educational information regarding stormwater quality to the community, including information that facilitates public reporting of illicit connections or discharges and educational programs that inform the public of hazards associated with illicit discharges and improper waste disposal, as well as proper ways to dispose of hazardous wastes.





Web View of Links Related to Illicit Discharge and Improper Disposal on the MRGSQT Keep the Rio Grande! Website

AGENDA
Board of Directors
February 27, 2025
7:45 a.m.

Times shown are approximate and are subject to/ change.

7:45 1. Call to Order and Roll Call

7:46 2. Approval of Agenda (m/o)

7:48 3. Meetings Scheduled
   a. March 27, 2025, 9:00 a.m. – Regular Meeting
   b. April 24, 2025, 9:00 a.m. – Regular Meeting
   c. May 22, 2025, 9:00 a.m. – Regular Meeting

7:50 ***Recess for Bond Sale***

8:30 4. Appointment to Boards and Committees
   a. MRCOG Executive Board
   b. MRCOG Board of Directors
   c. Middle Rio Grande Water Resources Board
   d. Metropolitan Transportation Board
   e. Personnel and Salary Committee
   f. Strategic Planning Committee
   g. Financial Committee
   h. Real Estate Committee

8:40 5. Items from the Floor / Public Comment

Please refer to the last page of the agenda for additional information.

8:50 6. Approval of Minutes
   a. January 23, 2025 (m/o)

8:55 7. ***Consent Agenda***
There will be no discussion on these items unless a Board member so requests, in which event the item may be placed on the Regular Agenda.

   a. American Public Works Association – Public Works Expo – Authorization for Out of State Travel, Chicago, IL, August 17-20, 2025 (m/o)
   b. Tract 1-A-1-A-2 Honeywell Site - Acceptance of Drainage Easement (m/o)
   c. On-Call Geotechnical/Materials Testing Services – Approval of Task #4 with YeDoma Consultants, LLC (m/o)

Times may run slightly ahead of or behind schedule. If you are on the agenda, please plan to be present at least 10 minutes in advance of your scheduled time.

d. Approval of Rutherford Property Agricultural Lease for 2025-2028 (m/o)
e. Tract B-4-A Duke City Redi-Mix – Quitclaim of Drainage Easement (m/o)
f. Tract B-4-A Duke City Redi-Mix - Acceptance of Drainage Easement (m/o)

9:00 8. Executive Director's Report
a. Notification of Past Month's Activities (m/o)
b. Notification of On-Call Services Task Orders (m/o)

General & Administrative

9:10 9. Financial Matters
a. Financial Matters – Acceptance of Financial Information (m/o)
b. Other Matters (m/o)
c. AMAFCA FY2024 ACFR – Public Presentation and Acknowledgment of Satisfactory Completion of the FY2024 Audit (m/o)

9:25 10. Legal
a. Status Report (late m/o)

9:55 ***Break***

Professional Services

9:30 11. Legislative Liaison
a. Briefing on the 2025 New Mexico Legislative Session

Planning, Engineering, & R&D

9:45 12. AMAFCA Projects
a. Construction Report (m/o)
b. 7-Bar Retail at Cottonwood Crossings – Draft Turnkey Agreement (m/o)
c. South Domingo Baca Channels – Results of Existing Conditions Evaluation (m/o)
d. Authorization to Advertise Request for Proposals for Engineering Services for South Domingo Baca Channels (m/o)
e. South Broadway Drainage and Storm Water Quality Management Plan – South Broadway Pond Property (m/o)

10:00 ***Break***

Facilities Operations & Maintenance

Times may run slightly ahead of or behind schedule. If you are on the agenda, please plan to be present at least 10 minutes in advance of your scheduled time.

10:10 13. Facilities, Operations & Maintenance Update
   a. AMAFCA Operations February Update (m/o)

10:15 14. Stormwater Quality
   a. Review of Illicit Discharges Minimum Control Measures (m/o)

10:25 15. AMAFCA Field Highlights
   a. Field Report

10:40 16. 2025 Bond Sale
   a. Presentation of Series 2025 General Obligation Bond Sale Results (m/o)

10:50 17. Real Estate
   a. Paradise West Property Acquisition (m/o)
   b. Painting of Flood Control Infrastructure at John B. Robert Dam and Other Locations (m/o)

11:00 18. Unfinished Business

11:03 19. New Business

11:05 20. Adjourn

SEE NEXT PAGE FOR PARTICIPATION INSTRUCTIONS

Times may run slightly ahead of or behind schedule. If you are on the agenda, please plan to be present at least 10 minutes in advance of your scheduled time.

VIDEO / TELE CONFERENCE PARTICIPATION:

Copy and paste the following link into web browser:

https://amafca.zoom.us/s/83212613434

Meeting ID: 832 1261 3434

Passcode: AMAFCA

Dial by your location

833 548 0276 US Toll-free
833 548 0282 US Toll-free
877 853 5247 US Toll-free
888 788 0099 US Toll-free

Follow the prompts

OR

If you wish to have a link (same as above) sent to you, send an email to AMAFCA by 2:00 PM (mountain time) on Wednesday, February 26, 2025 to amafca@amafca.org. AMAFCA will return your email providing the same information.

FOR PUBLIC COMMENT PARTICIPATION:

AMAFCA will take general public comment and / or on specific agenda items in person at the meeting or in written form via email or USPS delivery up to 2:00 PM (mountain time) on Wednesday, February 26, 2025. Comments may be submitted via email, fax, or postal service.

Email: amafca@amafca.org

OR

USPS: AMAFCA
2600 Prospect Avenue NE
Albuquerque, NM 87107

AMAFCA will not be responsible for any delay in USPS delivery, delivery through other avenues not listed above, or for any submission received after 2:00 PM on (mountain time) on Wednesday, February 26, 2025. Comments received via email or USPS delivery will be distributed to the Chair of the AMAFCA Board and recapped by the AMAFCA Executive Director.

Times may run slightly ahead of or behind schedule. If you are on the agenda, please plan to be present at least 10 minutes in advance of your scheduled time.

AMAFCA Board Meeting Memorandum Agenda Item 14a
Information Item

To: AMAFCA Board of Directors
From: Patrick J. Chavez, PE, Stormwater Quality Engineer
Date: February 19, 2025

Subject: Review of Illicit Discharge Detection and Elimination Minimum Control Measures

Action Requested: None

***

Recommendation Summary:
Staff will present information on the Minimum Control Measures (MCMs) and Special Conditions as identified in the Stormwater Management Program (SWMP) and required by EPA's Middle Rio Grande MS4 Permit. Specifically, the Illicit Discharge Detection and Elimination (IDDE) MCMs will be discussed.

Background:
The SWMP for the Albuquerque Metropolitan Arroyo Flood Control Authority (AMAFCA) has been in place for several years. The program has successfully maintained Municipal Separate Storm Sewer System (MS4) compliance with EPA's Watershed Based Permit (Permit) while adapting to reflect the increasing challenge of operating and maintaining flood control and water quality facilities in the watershed. Jurisdictional boundaries in the arid Middle Rio Grande Watershed are sometimes complicated and do not always follow the same natural flow paths to the river as the stormwater runoff generated from rain events.

The purpose of this presentation is part of an overall series to provide a summary of AMAFCA's compliance with the EPA MS4 Permit and how AMAFCA's operations fit within the Permit framework. The MCMs and Special Conditions are the required categories of MS4 functions that establish the criteria for AMAFCA's continued Permit compliance.

The EPA defines an illicit discharge as "…any discharge to the municipal separate storm sewer system (MS4) that is not composed entirely of storm water…" with some exceptions. These discharges are considered "illicit" because MS4s are not designed to accept or discharge such non-storm water wastes. It is important to note that illicit does not necessarily mean illegal. Illicit discharges can come from improperly connected/maintained sanitary sewers, dewatering construction sites, draining swimming pools, draining construction ponds, improper equipment/vehicle washing, improper vehicle/machinery maintenance (drippings) as well as improper disposal of items such as pet waste, cigarette butts, oils, paints, and trash. AMAFCA staff considers Integrated Pest Management to also be part of the IDDE program.

Illicit discharges can enter AMAFCA's system through either direct connections from wastewater piping either mistakenly or deliberately connected to the storm drains or through indirect connections from infiltration into the MS4 from cracked sanitary systems, spills collected by drain

outlets, or paint or used oil dumped directly into a storm drain. The result is untreated discharges that contribute high levels of pollutants, including heavy metals, oil and grease, solvents, nutrients, viruses, and bacteria to receiving waterbodies. Pollutant levels from these illicit discharges have been shown in EPA studies to be high enough to significantly degrade receiving water quality and threaten aquatic, wildlife, and human health.

An effective IDDE program should be proactive to prevent and eliminate illicit discharges through education, training and enforcement. However, the program should also be reactive to address any spills and other illicit discharges to the storm drain system that it detects. It is also important for MS4s to develop the program to match the needs and concerns of the local community. MS4s typically have flexibility to implement their IDDE programs to address community-specific problems while meeting the specific permit requirements.

The goal of this series of presentations is to assess potential program enhancements and efficiencies that provide the greatest environmental benefit to the watershed while simultaneously having the smallest impact on AMAFCA's budget.

Unanticipated Impacts on AMAFCA Budget:
Short and Long Term – The costs associated with Permit compliance are included in the FY25 AMAFCA Stormwater Quality Program budget.

Unanticipated Impacts on AMAFCA Staff:
Short Term – Staff allocation related to compliance with the Permit is included in the FY25 AMAFCA Work Plan.

Summary of AMAFCA's MS4 Public Education, Outreach, Involvement, and Participation Program FY 2025 (July 1, 2024 - June 30, 2025)

NPDES Permit No. NMR04A000
Part I.D.5.g - Public Education and Outreach on Stormwater Impacts and
Part I.D.5.h - Public Involvement and Participation

AMAFCA Board Meeting Memorandum Agenda Item 14a
Information Item

To: AMAFCA Board of Directors
From: Patrick J. Chavez, PE, Stormwater Quality Engineer
Date: July 17, 2024

Subject: Stormwater Quality Fiscal Year 2024 Program Update PC

Action Requested: None

***

The Albuquerque Metropolitan Arroyo Flood Control Authority (AMAFCA) is currently authorized to discharge stormwater under the Municipal Separate Storm Sewer System (MS4) Watershed Based Permit NMR04A016 (Permit). A notification letter was sent to EPA Region 6 on October 15, 2019 stating that AMAFCA planned to continue to comply with the conditions of the Permit to discharge stormwater, given that the MS4 Permit NMRR04A016 was scheduled to be administratively continued on December 19, 2019. All regulatory conditions are still in full force and effect while the Permit is in a state of administrative continuance.

AMAFCA continued to discharge stormwater in FY24 as authorized by the MS4 Permit. The Director of Operations will deliver a presentation on AMAFCA's Minimum Control Measures in the watershed over the past year, see below, that are featured in AMAFCA's Stormwater Management Program (SWMP):

Special Conditions (compliance with water quality standards, ESA requirements, et cetera)
Construction Site Stormwater Runoff Control
Post-Construction Stormwater Management
Pollution Prevent/Good Housekeeping
Illicit Discharges and Improper Disposal
Control of Floatables
Public Education and Outreach
Public Involvement and Participation

Unanticipated Impacts on AMAFCA Budget:
Short and Long Term – The costs associated with Permit compliance are included in the FY25 AMAFCA Stormwater Quality Program budget.

Unanticipated Impacts on AMAFCA Staff:
Short Term – Staff allocation related to compliance with the Permit is included in the FY25 AMAFCA Work Plan.

AMAFCA

BOARD OF DIRECTORS

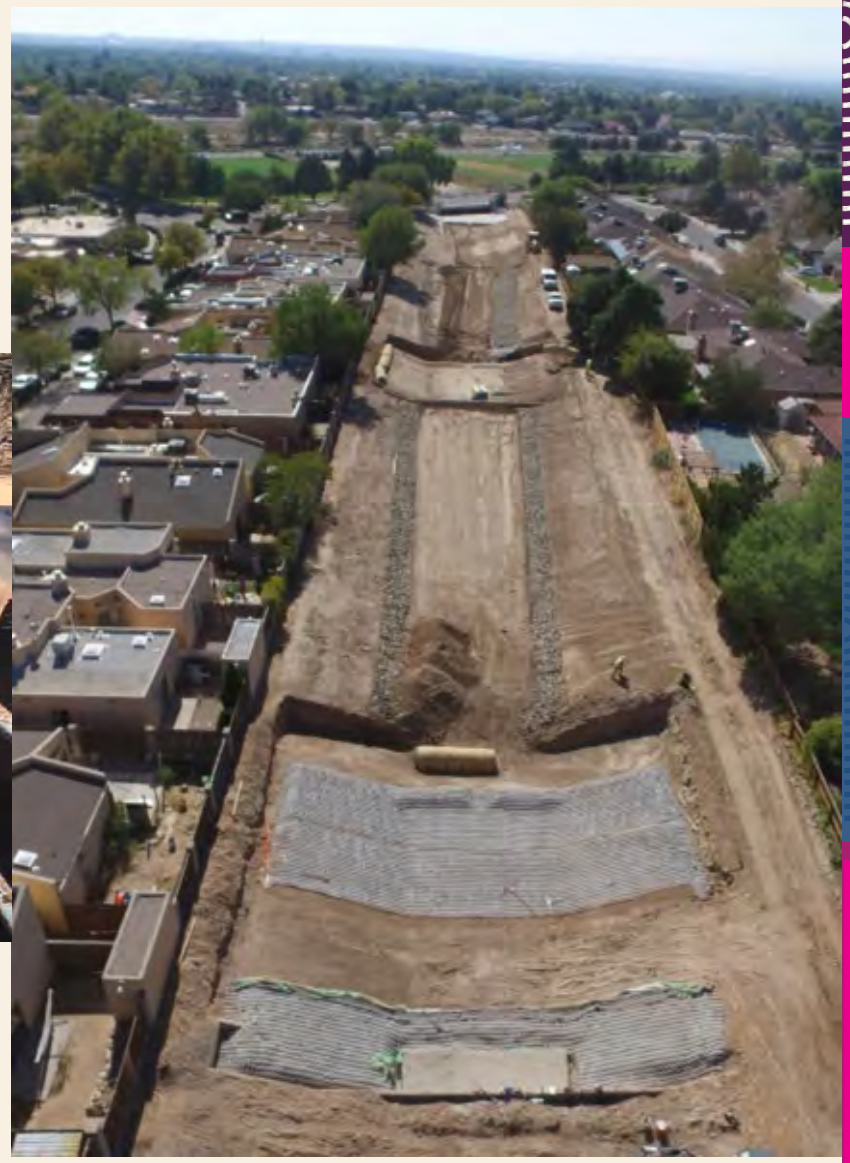
REGULAR MEETING
JULY 25, 2024

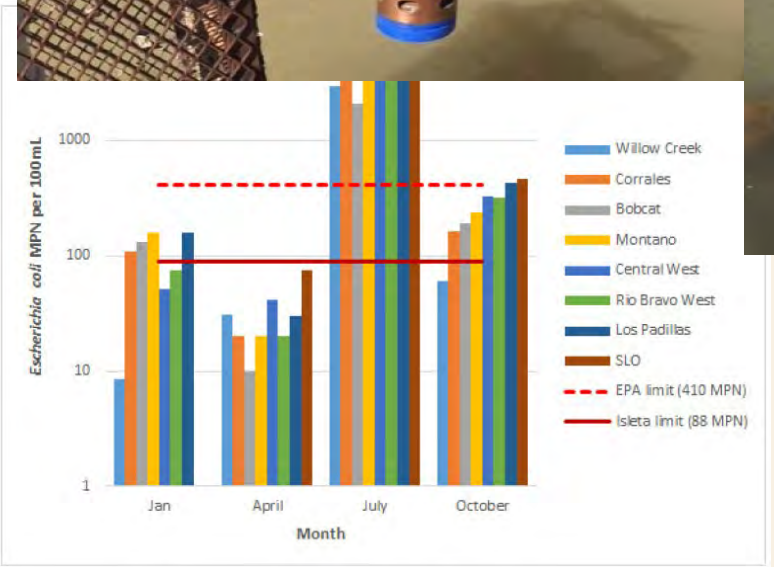
ITEM 14. STORMWATER QUALITY

FISCAL YEAR 2024 PROGRAM UPDATE









ITEM 14. STORMWATER QUALITY – FY24 PROGRAM UPDATE

Municipal Separate Storm Sewer System (MS4) Watershed Based Permit expired in 2019 and was administratively continued automatically

Annual Report submittal on Dec. 1 still required demonstrating continued compliance

Notified earlier this year by EPA that Permit will not be renewed but one MS4 Permit to be issued for entire State of New Mexico

AMAFCA submitted comments on draft Permit with Middle Rio Grande Technical Advisory Group (TAG)

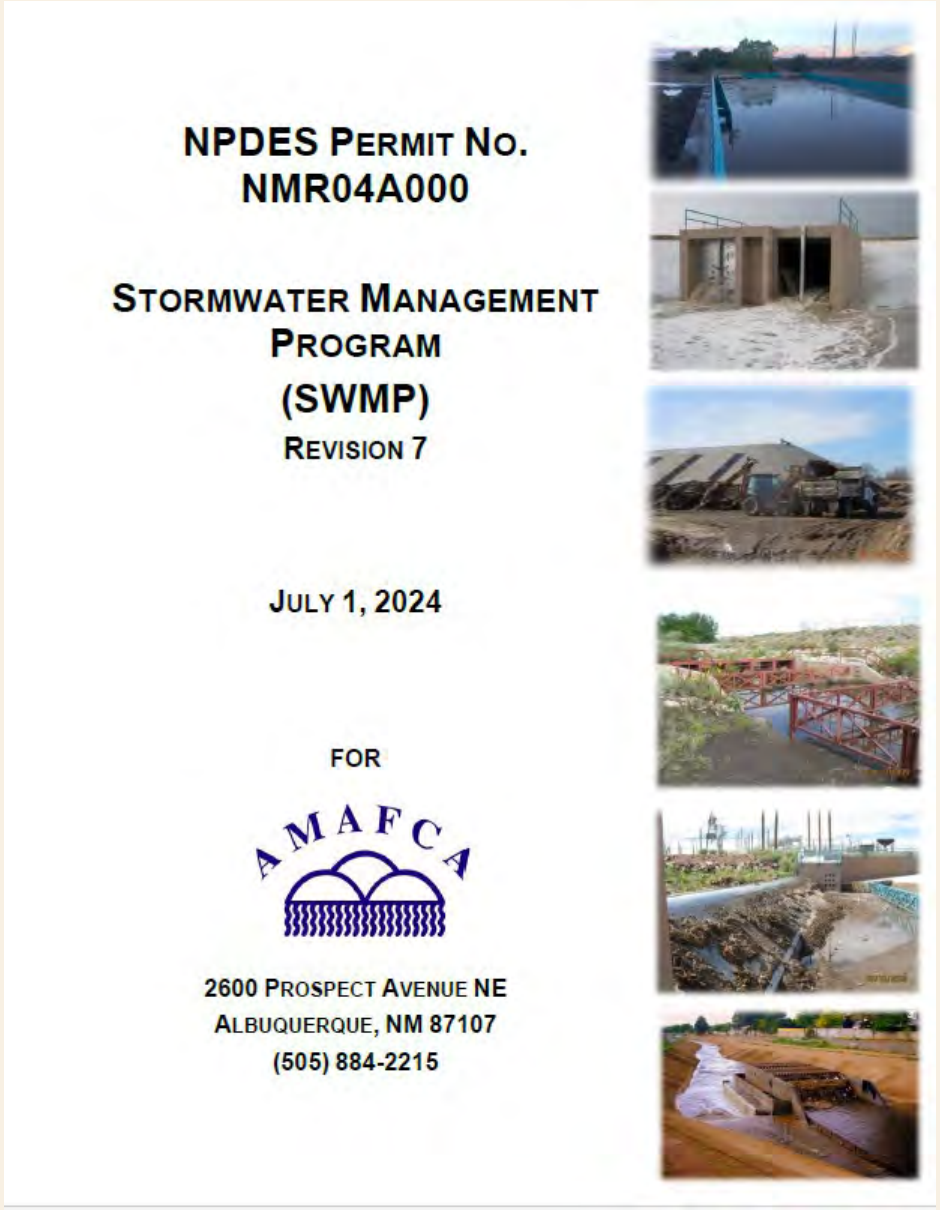
Move to Primacy and Statewide MS4 Permit timelines currently overlap



ITEM 14. STORMWATER QUALITY – FY24 PROGRAM UPDATE

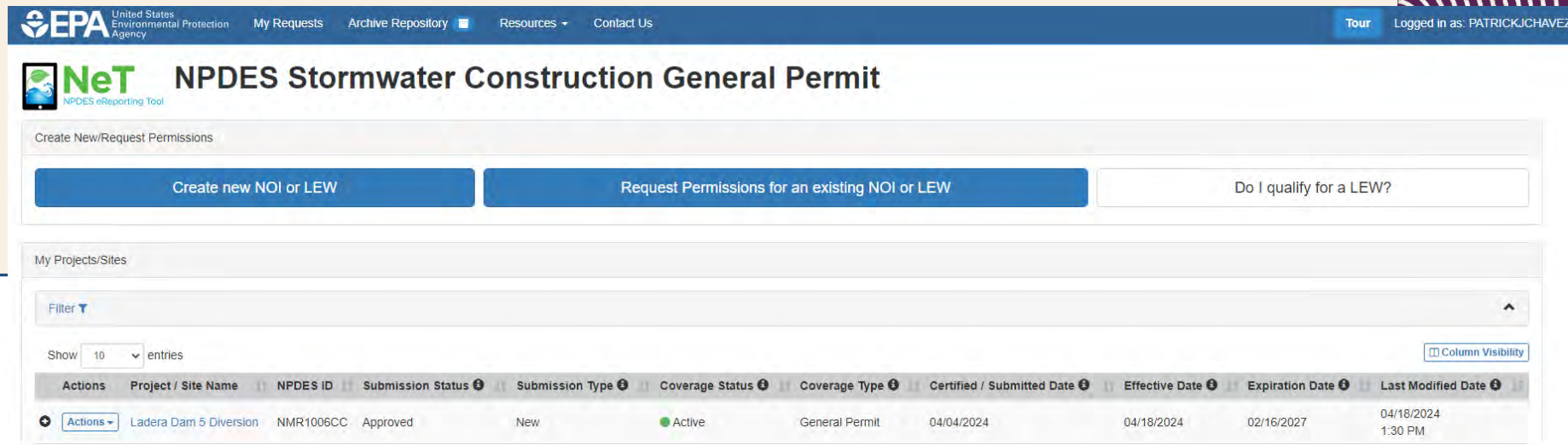
MS4 Permit Minimum Control Measures in Stormwater Management Program (SWMP) Rev. 7 (Effective July 1, 2024):

- **Special Conditions (compliance with WQ standards)**
- **Construction Site Runoff Control**
- **Post-Construction Management**
- **Pollution Prevention/Good Housekeeping**
- **Illicit Discharges and Improper Disposal (IDDE)**
- **Control of Floatables**
- **Public Education/Outreach and Involvement and Participation**



ITEM 14. STORMWATER QUALITY – FY24 PROGRAM UPDATE – CONSTRUCTION SITE RUNOFF CONTROL





During Design

* Review of NOI Template Included in Contract Documents

No sooner than 14 days after NOI Submittal

AMAFCA Board Approval / Contract Award

NTP #1

* Cannot Disturb Land
* NOI Template Included in Contract Documents
* Complete & Review SWPPP
* File NOI with EPA

NTP #2

* Must be at Least 14 Days After Submittal of NOI to EPA to Allow for Public Comment
* Earth-Disturbing Activities Can Commence

Construction

* Update SWPPP as Necessary Throughout Construction
* AMAFCA Provides the Construction Manager (CM) Signed Delegation of Authority Letter & Adds to SWPPP
* CM Coordinates SWPPP Inspections & Signs Inspection Forms
* MS4 Inspection Completed by AMAFCA at Start and End of Project
* File NOT at End of Construction

Post Construction

* Contractor Returns SWPPP to AMAFCA and AMAFCA Retains for 3 Years
* AMAFCA Maintains Site & Monitors Vegetation



CERTIFICATE
OF COMPLETION

presented to

Patrick J. Chavez, MSCE, PE, LEED AP+

who has successfully completed EPA's Construction General Permit (CGP) Site Inspector Training Course and passed the final exam

Chris Kloss, Water Permits Division Director

Date Certified: 9/22/2022

Expiration Date: May 17, 2027

By completing this course and passing the final exam, Patrick J. Chavez, MSCE, PE, LEED AP+ has complied with the CGP Part 6.3.a training requirements for conducting construction inspections under the 2022 CGP.

EPA United States Environmental Protection Agency

ITEM 14. STORMWATER QUALITY – FY24 PROGRAM UPDATE – POST-CONSTRUCTION STORMWATER MANAGEMENT

Projects in FY25 Project Schedule were prioritized relative to other stormwater quality facilities based on:

- Cost

- Existing Best Management Practices within subbasin (Flow Path)

- Proximity to Rio Grande (Bosque Bonus)



Project Schedule Water Quality Facility Scoring Criteria

Total Cost	Points
Less than $1M	2
Greater than $1M but less than $2M	1
Greater than $2M	0

Total project cost will ultimately determine the feasibility of a proposed project. As such, projects will be scored based on their total estimated project cost. The point scale below describes how points are assigned based on total project cost.

Flow Path to the Rio Grande	Points
Project only WQ Facility in path	3
Provides Opportunity for Future WQ Project	2
Project Downstream of existing WQ Facility	1
Project Upstream of existing WQ Facility	1

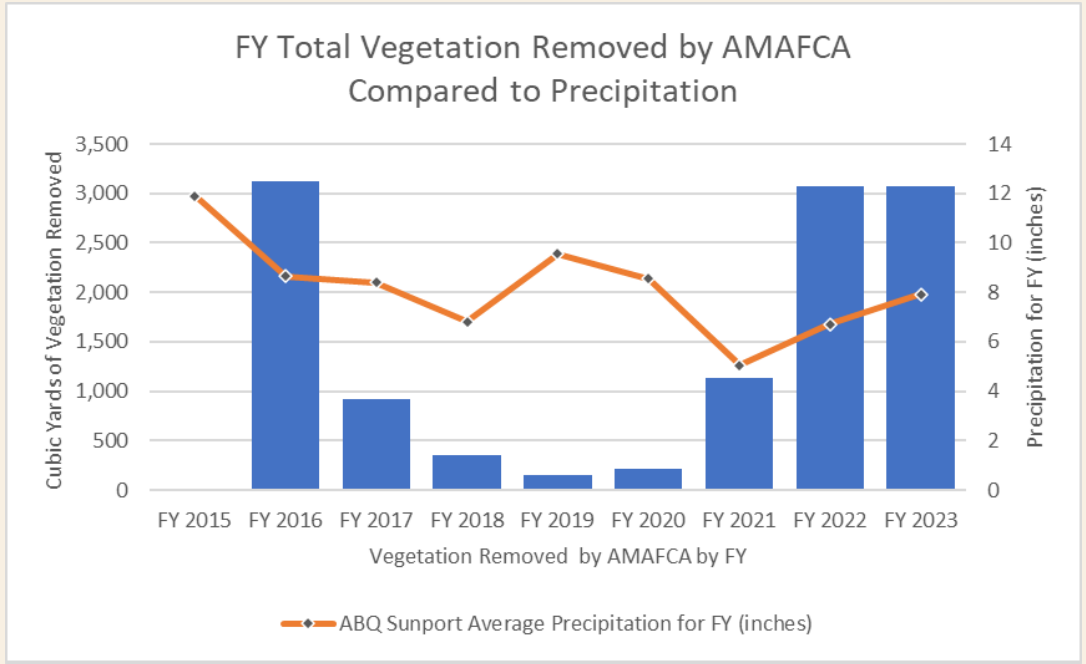
Location along a flow path to the Rio Grande was also taken into consideration when assigning points to each project. Projects are scored higher if they are the only stormwater quality facility along the flow path to the Rio Grande, and lower if there is a facility(ies) above or below the proposed project. The point scale below describes points are assigned based on this location.

Bosque Bonus	Points
Within Bosque	2
Not Within Bosque	0

If a stormwater quality facility is located within the Bosque - the forested area surrounding the riparian zone of the Rio Grande floodplain - the project was awarded a "bonus" for being the ultimate water quality control measure before stormwater reaches the Rio Grande. The point scale below describes how the bonus points were assigned based on the above criteria.

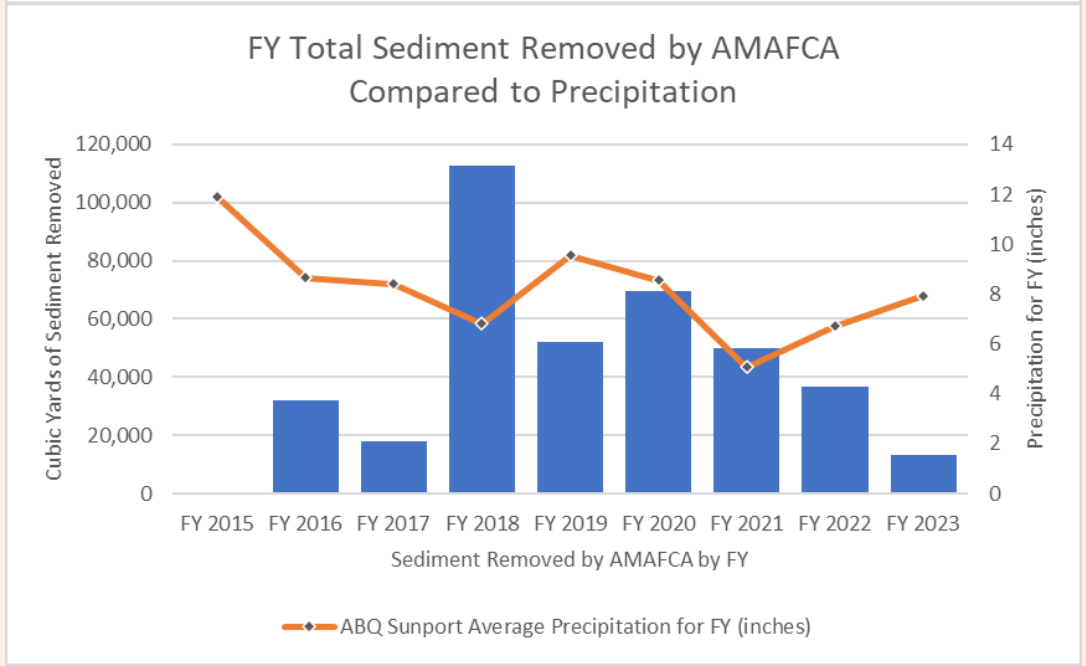
Total Points Scale:	1-7

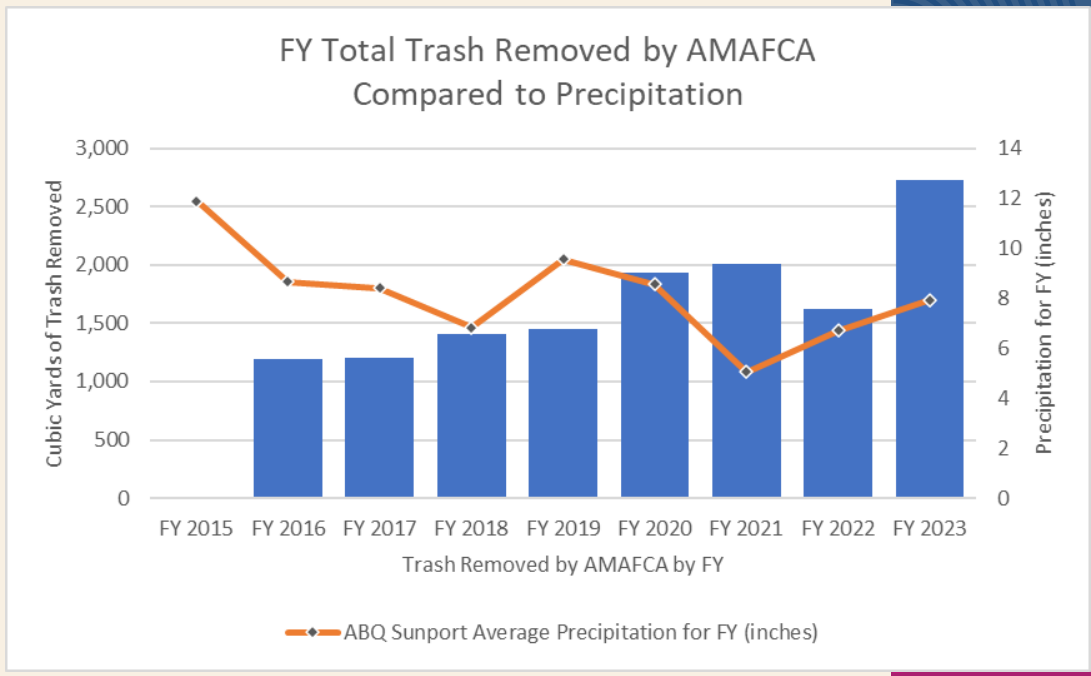
ITEM 14. STORMWATER QUALITY – POLLUTION PREVENTION / GOOD HOUSEKEEPING CONTROL OF FLOATALBES











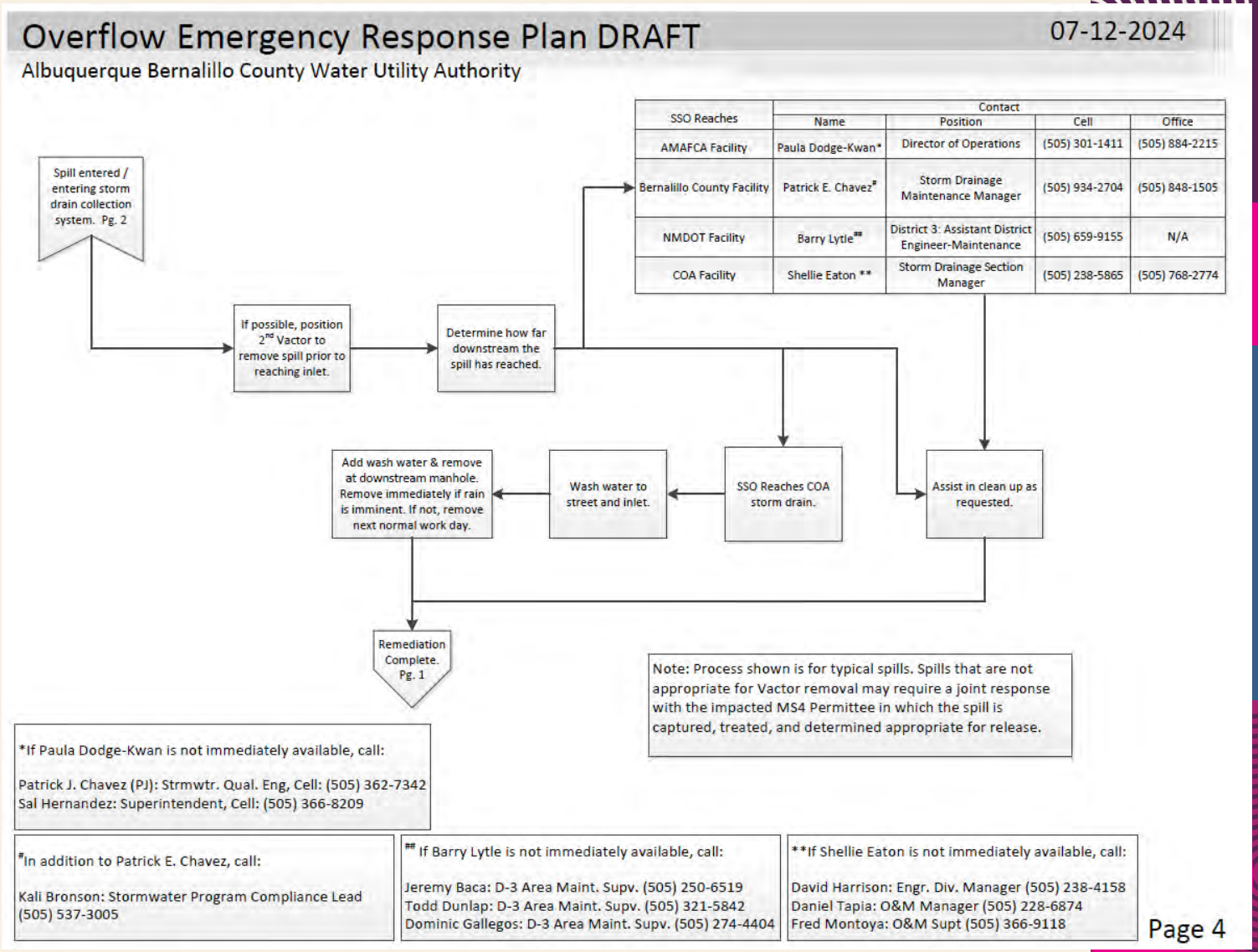
ITEM 14. STORMWATER QUALITY – FY24 PROGRAM UPDATE – ILLICIT DISCHARGES AND IMPROPER DISPOSAL (IDDE)

Overflow Emergency Response Plan (OERP) updated with ABCWUA

Continued usage of 311 Community Center Contact Hotline for public to report Illicit Discharges

GIS tracking of sanitary sewer overflows

Continued coordination with MS4s in watershed to address Illicit Discharges



Overflow Emergency Response Plan DRAFT

07-12-2024

Albuquerque Bernalillo County Water Utility Authority

SSO Reaches	Contact			
	Name	Position	Cell	Office
AMAFCA Facility	Paula Dodge-Kwan*	Director of Operations	(505) 301-1411	(505) 884-2215
Bernalillo County Facility	Patrick E. Chavez#	Storm Drainage Maintenance Manager	(505) 934-2704	(505) 848-1505
NMDOT Facility	Barry Lytle##	District 3: Assistant District Engineer-Maintenance	(505) 659-9155	N/A
COA Facility	Shellie Eaton **	Storm Drainage Section Manager	(505) 238-5865	(505) 768-2774

Spill entered / entering storm drain collection system. Pg. 2

If possible, position 2nd Vactor to remove spill prior to reaching inlet.

Determine how far downstream the spill has reached.

Add wash water & remove at downstream manhole. Remove immediately if rain is imminent. If not, remove next normal work day.

Wash water to street and inlet.

SSO Reaches COA storm drain.

Assist in clean up as requested.

Remediation Complete. Pg. 1

Note: Process shown is for typical spills. Spills that are not appropriate for Vactor removal may require a joint response with the impacted MS4 Permittee in which the spill is captured, treated, and determined appropriate for release.

*If Paula Dodge-Kwan is not immediately available, call:

Patrick J. Chavez (PJ): Strmwtr. Qual. Eng, Cell: (505) 362-7342
Sal Hernandez: Superintendent, Cell: (505) 366-8209

#In addition to Patrick E. Chavez, call:

Kali Bronson: Stormwater Program Compliance Lead (505) 537-3005

If Barry Lytle is not immediately available, call:

Jeremy Baca: D-3 Area Maint. Supv. (505) 250-6519
Todd Dunlap: D-3 Area Maint. Supv. (505) 321-5842
Dominic Gallegos: D-3 Area Maint. Supv. (505) 274-4404

**If Shellie Eaton is not immediately available, call:

David Harrison: Engr. Div. Manager (505) 238-4158
Daniel Tapia: O&M Manager (505) 228-6874
Fred Montoya: O&M Supt (505) 366-9118

Page 4

ITEM 14. STORMWATER QUALITY – FY24 PROGRAM UPDATE – PUBLIC EDUCATION/OUTREACH AND INVOLVEMENT/PARTICIPATION

- Stormwater Quality Team has 11 participating MS4s in the Middle Rio Grande

- New media campaign rolled out in 2024 for Youtube, Social Media, and Programmatic Display (banners)

- RFP process later this year to select Storm Team Coordinator

- AMAFCA co-chairs Technical Advisory Group (TAG) with bi-monthly meetings to discuss common water quality issues

- 2024 Sponsorship of Land and Water Summit to support green stormwater infrastructure programming

MRG TAG

Mid Rio Grande Stormwater Quality Team
www.keeptheriogrand.org



LAND AND WATER SUMMIT

April 1, 2024

Dear AMAFCA,

On behalf of the Land and Water Summit Planning Committee, Ciudad Soil & Water Conservation District would like to take this opportunity to thank you for the generous sponsorship in the amount of $1,000 that was provided for the 2024 Land and Water Summit Conference. As the host of the Land and Water Summit, Ciudad SWCD is pleased to report that the AMAFCA charitable **Stream Level** sponsor contribution assisted with the planning efforts and implementation of the conference.

Through AMAFCA's sponsorship, the Land and Water Summit hosted a pre-conference field trip with 55 registered attendees and a conference with 186 registered attendees, 132 in-person and 54 remote viewers, and 21 sponsors receiving 31,684 impressions. Additionally, this year, for the first time ever, the Summit featured a poster session.

The 2024 Land and Water Summit brought together a diverse lineup of speakers focused on driving change in our arid environment, with particular emphasis on nature-based solutions and green stormwater infrastructure in urban areas. Collaboration and innovation were central themes, stressing the necessity of community engagement in decision making processes. The conference highlighted the importance of drawing upon local knowledge and value while seeking forward-thinking approaches to complex natural resources issues.

The Land and Water Summit annual conference plays a vital role in continuing education about resource conservation and best practices for safeguarding and enhancing local landscapes. The event would not be possible without AMAFCA's financial contribution. The Land and Water Summit Planning Committee and Ciudad SWCD are immensely grateful for your generous support and sponsorship of the conference.

Sincerely,

J. Steven Glass
Land and Water Summit Planning Committee, Co-Chair
Ciudad Soil & Water Conservation District, Board Chair

YouTube



IMPRESSIONS DELIVERED	CLICKS	CTR
159,664	1,829	1.15%

DEVICE EXPOSURE

Desktop Device	Mobile Device	Tablet Device
10,081 Impressions	129,490 Impressions	18,026 Impressions

National average CTR for YouTube Ads: 0.65%

SUNNY505

AGENDA
Board of Directors
September 26, 2024
New Mexico Veterans' Memorial
1100 Louisiana Blvd SE
9:00 a.m.

Times shown are approximate and are subject to change.

9:00 1. Call to Order and Roll Call

9:01 2. Approval of Agenda (m/o)

9:03 3. Meetings Scheduled
   a. October 24, 2024, 9:00 a.m. – Regular Meeting*
   b. November 21, 2024, 9:00 a.m. – Regular Meeting ‡
   c. December 19, 2024, 9:00 a.m. – Regular Meeting & Board Holiday Luncheon

   *Meeting to be held at the New Mexico Veterans' Memorial
   ‡Location to be determined

9:04 4. Items from the Floor / Public Comment

Please refer to the last page of the agenda for additional information.

9:10 5. Approval of Minutes
   a. August 22, 2024 (m/o)

9:15 6. ***Consent Agenda***
There will be no discussion on these items unless a Board member so requests, in which event the item may be placed on the Regular Agenda.

   a. On-Call Oblique Aerial Photography Services – Approval of Third and Final Extension (m/o)
   b. Ditch Safety Coordinator – Approval of Second Extension (m/o)
   c. Lot 12 of Block 17, Tract 2, Unit 2 of North Albuquerque Acres Subdivision - Quitclaim of Drainage Easement (m/o)
   d. Rutherford Property Agricultural Lease – Authorization to advertise for Bids (m/o)
   e. Herring Property Agricultural Lease – Authorization to advertise for Bids (m/o)

9:20 7. Executive Director's Report
   a. Notification of Past Month's Activities (m/o)
   b. Notification of On-Call Services Task Orders (m/o)

General & Administrative

9:30 8. Financial Matters
   a. Financial Matters – Acceptance of Financial Information (m/o)
   b. Other Matters (m/o)

Times may run slightly ahead of or behind schedule. If you are on the agenda, please plan to be present at least 10 minutes in advance of your scheduled time.

Professional Services

9:45 9. Legal
   a. Status Report (late m/o)

9:50 ***Break***

Planning, Engineering, & R&D

10:00 10. Joint Projects
   a. Briefing on Anticipated Changes to the National Flood Insurance Program (m/o)

10:20 11. AMAFCA Projects
   a. Planning and Engineering Quarterly Update (m/o)
   b. Construction Report (m/o)

Facilities Operations & Maintenance

10:30 12. Stormwater Quality
   a. General Review of Minimum Control Measures (m/o)
   b. 2024 StormCon – Briefing on Conference (m/o)

10:45 13. AMAFCA Field Highlights
   a. Field Report

11:00 ***Break***

Closed Meeting

11:10 14. Executive Session (closed)
   a. Purchase, Acquisition or Disposal of Real Property or Water Rights (§ 10-15-1(H)(8)) (m/o)

Open Meeting

11:30 15. Real Estate
   a. Approval of Resolution 2024-19 - Disposal of Property Associated with Old Ouray Road (m/o)

11:35 16. Unfinished Business

11:37 17. New Business

11:40 18. Adjourn

SEE NEXT PAGE FOR PARTICIPATION INSTRUCTIONS

Times may run slightly ahead of or behind schedule. If you are on the agenda, please plan to be present at least 10 minutes in advance of your scheduled time.

VIDEO / TELE CONFERENCE PARTICIPATION:

Copy and paste the following link into web browser:

https://amafca.zoom.us/j/89369938167

Meeting ID: 893 6993 8167
Passcode: AMAFCA

Dial by your location

833 548 0276 US Toll-free
833 548 0282 US Toll-free
877 853 5247 US Toll-free
888 788 0099 US Toll-free

Follow the prompts

OR

If you wish to have a link (same as above) sent to you, send an email to AMAFCA by 2:00 PM (mountain time) on Wednesday, September 25, 2024, to amafca@amafca.org. AMAFCA will return your email providing the same information.

FOR PUBLIC COMMENT PARTICIPATION:

AMAFCA will take general public comment and / or on specific agenda items in written form via email, fax, or USPS delivery up to 2:00 PM (mountain time) on Wednesday, September 25, 2024. Comments may be submitted via email, fax, or postal service. Comments received will be distributed to the Chair of the AMAFCA Board and recapped by the AMAFCA Executive Director.

Email: amafca@amafca.org

OR

Fax: 884-0214

OR

USPS: AMAFCA
2600 Prospect Avenue NE
Albuquerque, NM 87107

AMAFCA will not be responsible for any delay in USPS delivery, delivery through other avenues not listed above, or for any submission received after 2:00 PM on (mountain time) on Wednesday, September 25, 2024.

Times may run slightly ahead of or behind schedule. If you are on the agenda, please plan to be present at least 10 minutes in advance of your scheduled time.

AMAFCA Board Meeting Memorandum Agenda Item 12a
Information Item

To: AMAFCA Board of Directors
From: Patrick J. Chavez, PE, Stormwater Quality Engineer
Date: September 18, 2024

Subject: General Review of Minimum Control Measures

Action Requested: None

***

Recommendation Summary:
Staff will present information on the Minimum Control Measures and Special Conditions as identified in the Stormwater Management Program (SWMP).

Background:
The SWMP for the Albuquerque Metropolitan Arroyo Flood Control Authority (AMAFCA) has been in place for several years. The program has successfully maintained compliance with EPA's Watershed Based Permit (Permit) and adapted to reflect the challenge of operating and maintaining flood control and water quality facilities in the watershed. Jurisdictional boundaries in the arid Middle Rio Grande Watershed are sometimes complicated and do not always follow the same natural flow paths to the river as the stormwater runoff generated from rain events.

The Stormwater Quality Engineer will present an overview of the Minimum Control Measures (MCM) and Special Conditions. The purpose of this presentation is part of an overall series to provide a summary of AMAFCA's compliance with the EPA MS4 Permit and how AMAFCA's operations fit within the Permit framework. The MCMs and Special Conditions are the required categories of MS4 functions that establish the criteria for AMAFCA's continued Permit compliance.

The ultimate goal of this series of presentations is to assess potential program enhancements and efficiencies that provide the greatest environmental benefit to the watershed while simultaneously having the smallest impact on AMAFCA's budget.

Unanticipated Impacts on AMAFCA Budget:
Short and Long Term – The costs associated with Permit compliance are included in the FY25 AMAFCA Stormwater Quality Program budget.

Unanticipated Impacts on AMAFCA Staff:
Short Term – Staff allocation related to compliance with the Permit is included in the FY25 AMAFCA Work Plan.

AMAFCA Board Meeting Memorandum Agenda Item 12b
Information Item

To: AMAFCA Board of Directors
From: Patrick J. Chavez, PE, Stormwater Quality Engineer
Date: September 18, 2024

Subject: 2024 StormCon – Briefing on Conference

Action Requested: None

***

The Stormwater Quality Engineer will present a briefing to the Board of Directors on AMAFCA's attendance at the StormCon 2024 that was held August 27-29 in Reno, Nevada. In attendance were the Director of Operations, the Stormwater Quality Engineer, and the Engineering Technician. The location was appropriate for this year's conference given the many stormwater projects in and around Reno. The Truckee River floodplain restoration project and nature walk kicked off this year's conference. AMAFCA staff attended the field trip with other stormwater professionals from the Middle Rio Grande Watershed. StormCon 2024 was full of exciting programming that offered an opportunity to network and gain professional development credits.

Unanticipated Impacts on AMAFCA Budget:
Short and Long Term – The costs associated with conference attendance and participation are included in the FY25 AMAFCA Stormwater Quality Program budget.

Unanticipated Impacts on AMAFCA Staff:
Short Term – Staff allocation related to conference attendance and participation is included in the FY25 AMAFCA Work Plan.

AGENDA
Board of Directors
November 21, 2024
Balloon Fiesta Event Center
9401 Balloon Museum Dr.
9:00 a.m.

Times shown are approximate and are subject to/ change.

9:00 1. Call to Order and Roll Call

9:01 2. Approval of Agenda (m/o)

9:03 3. Meetings Scheduled
   a. December 19, 2024, 9:00 a.m. – Regular Meeting & Board Luncheon
   b. January 23, 2025, 9:00 a.m. – Regular Meeting
   c. February 27, 2025, 9:00 a.m. – Regular Meeting

9:04 4. Items from the Floor / Public Comment

Please refer to the last page of the agenda for additional information.

9:10 5. Approval of Minutes
   a. October 24, 2024 (m/o)

9:15 6. ***Consent Agenda***
There will be no discussion on these items unless a Board member so requests, in which event the item may be placed on the Regular Agenda.

   a. Legislative Liaison / Lobbyist Services – Approval of Second Extension with Alarid Consulting (m/o)
   b. On-Call Engineering Services – Approval of First Extension (m/o)
   c. On-Call GIS and Technology Support Services – Approval of First Extension (m/o)
   d. Confirmation of Authorization to Advertise for Bids for Agency and Area Wide 13 (m/o)
   e. 2025 Association of State Floodplain Managers – Authorization for Out of State Travel, New Orleans, LA, May 18-23, 2025 (m/o)
   f. 2025 ESRI International Users Conference – Authorization for Out of State Travel, San Diego, CA, July 14-18, 2025 (m/o)
   g. Human Resources Services - Approval of Amendment One with Southwestern Human Resources Services (m/o)
   h. Authorization to Advertise Request for Proposals for Vegetation Management Services (m/o)

i. Swinburne Grade Control Structures – Approval of First Amendment for 60% Design (m/o)
j. Zuni Penn Pond Project – Approval of the Professional Engineering Services Agreement with Parametrix, Inc. (m/o)
k. Storm Water Quality Education Coordinator - Approval of Selection Advisory Committee Recommendation (m/o)
l. AMAFCA Telemetry Phase 2 - Authorization to Advertise Request for Proposals for Professional Engineering Services (m/o)
m. Lot 2-A, Lands of Claude Eidson – Acceptance of Drainage Easement (m/o)

9:25 7. Executive Director's Report
a. Notification of Past Month's Activities (m/o)
b. Notification of On-Call Services Task Orders (m/o)

General & Administrative

9:35 8. Financial Matters
a. Financial Matters – Acceptance of Financial Information (m/o)
b. Other Matters (m/o)
c. Approval of Resolution 2024-24, Cash and Investment Policy (m/o)
d. Procurement Policy – Review of Draft Policy (m/o)
e. Credit Card Policy – Review of Draft Policy (m/o)
f. Travel Policy – Review of Draft Policy (m/o)

9:55 9. AMAFCA Inventory
a. Approval of Resolution 2024-27, Disposal of Inventory (m/o, late m/o)

10:00 ***Break***

Professional Services

10:10 10. Legal
a. Status Report (late m/o)

Planning, Engineering, & R&D

10:15 11. Joint Projects
a. City of Albuquerque Design Review and Construction Section Requirements – Approval of Memorandum of Understanding (m/o)

10:25 12. AMAFCA Projects
a. Construction Report (m/o)

Facilities Operations & Maintenance

Times may run slightly ahead of or behind schedule. If you are on the agenda, please plan to be present at least 10 minutes in advance of your scheduled time.

10:30 13. Facilities, Operations & Maintenance Update
   a. AMAFCA Operations November Update

10:40 14. Stormwater Quality
   a. Storm Water Quality Education Coordinator – 2024 Program Review – Presentation by Sunny 505 (m/o)

10:50 15. AMAFCA Field Highlights
   a. Field Report

11:05 ***Break***

Closed Session

11:15 16. Executive Session (closed)
   a. Purchase, Acquisition or Disposal of Real Property or Water Rights (§ 10-15-1(H)(8)) (m/o)

Open Session

11:30 17. Real Estate
   a. Approval of Resolution 2024-25 – Quitclaim of Surplus Property to the City of Albuquerque from the North Diversion Channel Right of Way, adjacent to the Los Angeles Landfill (m/o)
   b. Approval of Resolution 2024-26 – Authorization to proceed with the Acquisition of Right of Way for a Regional Drainage Facility as Part of the Calabacillas West Branch Drainage and Master Plan (m/o)

11:40 18. Unfinished Business

11:43 19. New Business

11:47 20. Adjourn

SEE NEXT PAGE FOR PARTICIPATION INSTRUCTIONS

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VIDEO / TELE CONFERENCE PARTICIPATION:

Copy and paste the following link into web browser:

https://amafca.zoom.us/j/89369938167

Meeting ID: 893 6993 8167

Passcode: AMAFCA

Dial by your location

833 548 0276 US Toll-free
833 548 0282 US Toll-free
877 853 5247 US Toll-free
888 788 0099 US Toll-free

Follow the prompts

OR

If you wish to have a link (same as above) sent to you, send an email to AMAFCA by 2:00 PM (mountain time) on Wednesday, November 20, 2024, to amafca@amafca.org. AMAFCA will return your email providing the same information.

FOR PUBLIC COMMENT PARTICIPATION:

AMAFCA will take general public comment and / or on specific agenda items in written form via email, fax, or USPS delivery up to 2:00 PM (mountain time) on Wednesday, November 20, 2024. Comments may be submitted via email, fax, or postal service.

Email: amafca@amafca.org

OR

USPS: AMAFCA
2600 Prospect Avenue NE
Albuquerque, NM 87107

AMAFCA will not be responsible for any delay in USPS delivery, delivery through other avenues not listed above, or for any submission received after 2:00 PM on (mountain time) on Wednesday, November 20, 2024. Comments received will be distributed to the Chair of the AMAFCA Board and recapped by the AMAFCA Executive Engineer.

Times may run slightly ahead of or behind schedule. If you are on the agenda, please plan to be present at least 10 minutes in advance of your scheduled time.



Mid Rio Grande

Stormwater Quality Team

Overview

- Ongoing seasonal events
  - Doggie Dash and Dawdle, Harvest Festival, Isleta Safety Fair, Children's Water Festival, Earth Day Festival inc.
- Partnerships
- Digital Advertising Promotions

SUNNY505

Partnerships

BEMP
Bosque Ecosystem Monitoring Program

16,395 students.
63 schools and community organizations.
389 hours of education.



SUNNY505

RIVERXCHANGE®

EDUCATION FOR UNDERSTANDING AND PROTECTING WATERSHED HEALTH

Program Evaluation

Qualitative evaluation of the program is compiled via teacher feedback through short answer questions, which concludes that the program was successful in helping students make connections between their actions, stormwater and watershed health and that the program was a positive experience for teachers. Quantitative evaluation is conducted through pre and post student surveys. The metrics of these surveys demonstrate a positive percentage change of correctly identifying the definition of a watershed and the impacts of pollution on water quality (i.e. pet waste, pesticides, herbicides, fertilizers, oils, and trash). 732 students completed the pre-survey and 492 students completed the post-survey.



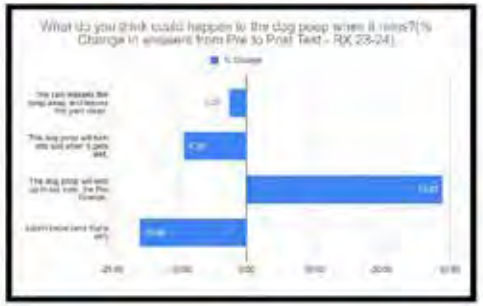


26% MORE STUDENTS CORRECTLY DEFINED 'WATERSHED' AFTER THE PROGRAM



28% MORE STUDENTS AGREE THAT EVERYONE LIVES IN A WATERSHED AFTER THE PROGRAM





APPROXIMATELY 10%-20% MORE STUDENTS IDENTIFY THE ABOVE MSH TOPICS AS DANGEROUS TO WATER AFTER THE PROGRAM

288% MORE STUDENTS IDENTIFY THAT DOG WASTE CAN END UP IN THE RIVER AFTER THE PROGRAM

SUNNY505

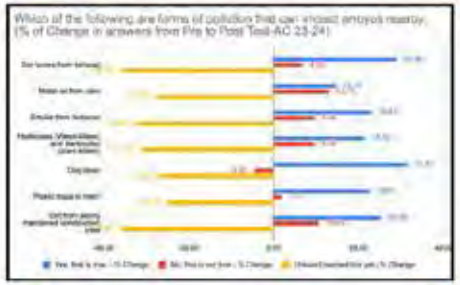
ARROYO CLASSROOM 2023-2024

LOCAL WILDLIFE, HABITAT & ARROYO EDUCATION

Program Evaluation

Qualitative evaluation of the program is compiled via teacher feedback (13 respondents) through short answer questions, which concludes that the program was successful in helping students make connections between their actions and impacts on local wildlife and their habitats (arroyos). Teachers also note this program helps them meet 3rd grade science standards. Quantitative evaluation is conducted through pre and post student surveys. The metrics of these surveys demonstrate a positive percentage change of correctly identifying the the impacts of pollution on the arroyo habitat and watershed (i.e. pet waste, pesticides, herbicides, fertilizers, oils, and trash). Additionally, students demonstrate growth in understanding arroyo safety. 451 students completed the pre-survey and 422 students completed the post-survey.

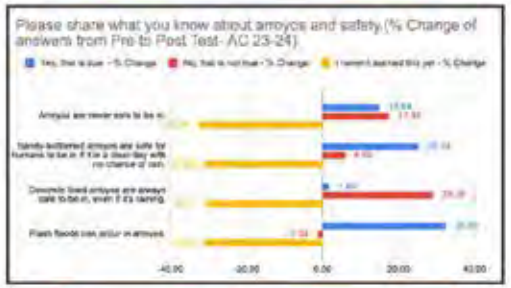




STUDENTS DEMONSTRATE AN INCREASE RANGING BETWEEN 6%-38% IN CORRECTLY IDENTIFYING COMMON POLLUTANTS IN THE LOCAL ENVIRONMENTAL



STUDENTS DEMONSTRATE AN INCREASE OF 30%-46% IN CORRECTLY UNDERSTANDING WATERSHED HEALTH CONCEPTS



APPROXIMATELY 30% MORE STUDENTS MADE AN IMPORTANT DISTINCTION THAT FLASH FLOODS HAPPEN IN ARROYOS AND CONCRETE ARROYOS ARE NEVER SAFE

Post Program Teacher Feedback Quotes

What where the greatest learning outcomes for your class?

"They were fully engaged in the material and learning experiences, and retained that information. They really enjoyed learning about watersheds and were able to actively discuss topics concerning watersheds and our environment throughout the year." - Reed, Colinas Del Norte ES

"The students absolutely loved it, and gained new knowledge about outdoor observations. It also was a great prequel to our ecology unit later in the year!" - Schnitke, Sandia Vista ES

Students learning, applying and sharing their experiences with family." - Begay, Maggie Cordova ES

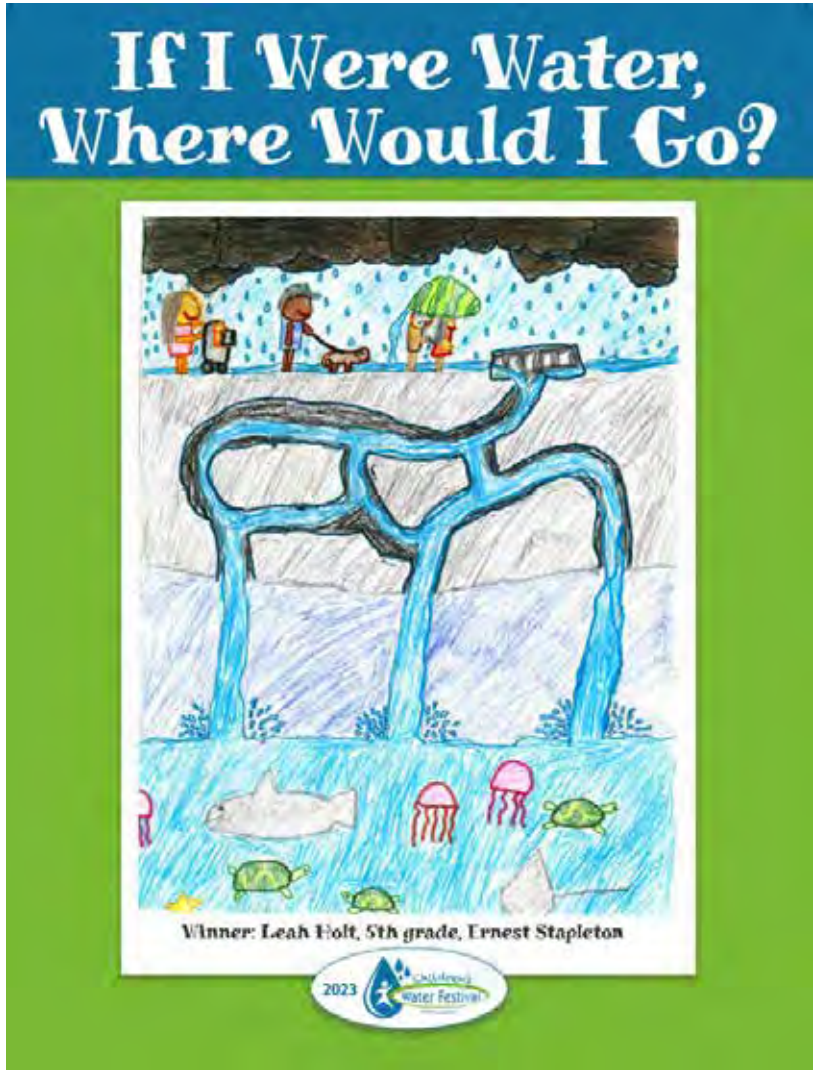
"Appreciating our environment and influencing them to respect arroyos and desert plants and environment." - Bonn, Cielo Azul ES.

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Education Outreach

Children's Water Festival

Rio Rancho



Educational Outreach Effectiveness
Water Festival

Pre-Tests Scores:

Question	Elementary School Name					
	Enchanted Hills	Cielo Azul	Ernest Stapleton	Sandia Vista	Vista Grande	Average
What makes water dirty?	71%	N/A	70%	69%	57%	66%
Is water from the aquifer?	76%	N/A	80%	72%	80%	77%
Do we live in a watershed?	42%	N/A	45%	45%	33%	41%
How much water is used? (math equation)	87%	N/A	71%	66%	66%	72%
Why is water important to life	80%	N/A	75%	74%	70%	74%
Water cycle	53%	N/A	62%	52%	54%	55%
How can we protect water?	83%	N/A	92%	84%	77%	84%
What is wastewater?	78%	N/A	84%	75%	79%	79%

Post-Test Scores:

Question	Elementary School Name					
	Enchanted Hills	Cielo Azul	Ernest Stapleton	Sandia Vista	Vista Grande	Average
What makes water dirty?	74%	68%	92%	86%	78%	79%
Is water from the aquifer?	96%	88%	92%	84%	92%	90%
Do we live in a watershed?	46%	54%	65%	47%	65%	55%
How much water is used? (math equation)	90%	78%	80%	78%	82%	82%
Why is water important to life	77%	75%	80%	82%	84%	80%
Water cycle	64%	72%	65%	62%	64%	65%
How can we protect water?	90%	86%	95%	93%	88%	90%
What is wastewater?	77%	90%	87%	86%	85%	85%

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Digital Advertising Promotions

Run Dates: April through June of 2024
Target Audiences: Individuals 25+, homeowners, pet owners, do-it-yourselfers and auto mechanics

Tactics:

Online digital display: Tile ads that appear where our target audiences consume information

Video Pre-Roll: Commercials that run prior to videos on all video players i.e. news sites, within apps etc.

YouTube: Videos that run prior to videos on YouTube

Over-the-top television: Streaming television advertising i.e. Roku, Freevee, Mubi etc.

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Creative



:15 Video





Animated Gif Tile Ads



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Landing Page



keeptheriogrand.org/keep-it-clean/

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Results

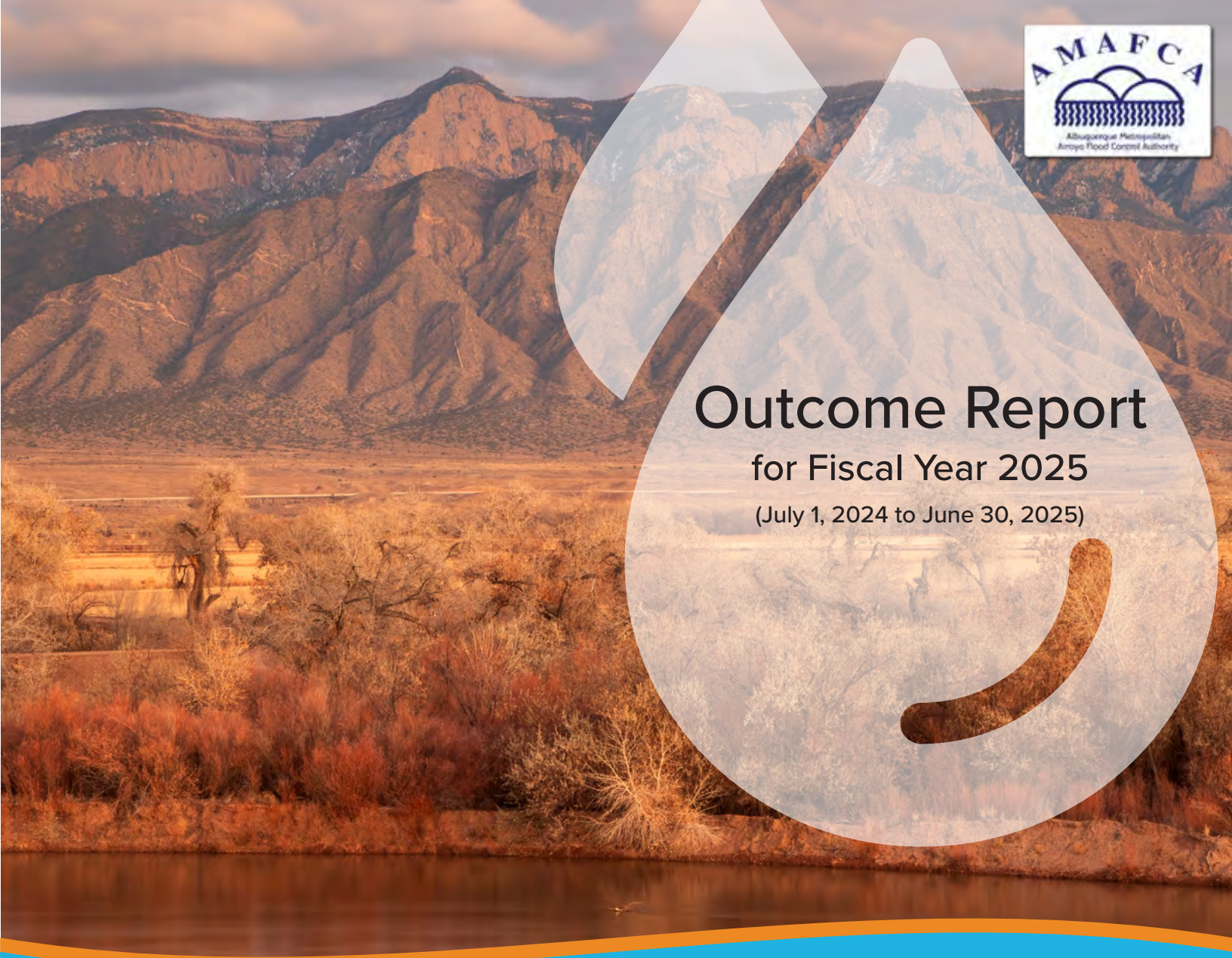
Type	Impressions	Click Throughs	Industry Average
Online Display	64,526	.85%	.07%
Over the top Television	37,214	NA	NA
Pre-Roll Video	74,421	1.11%	.12%
YouTube Video	61,098	1.12%	.65%

Total Campaign Impressions: 237,259

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Questions?

Mid Rio Grande Stormwater Quality Team



Outcome Report

for Fiscal Year 2025

(July 1, 2024 to June 30, 2025)

Albuquerque Metropolitan Arroyo Flood Control Authority (AMAFCA) • City of Albuquerque • Bernalillo County • Town of Bernalillo • Village of Corrales • Ciudad Soil and Water Conservation District • Eastern Sandoval County Arroyo Flood Control Authority (ESCAFCA) • Village of Los Ranchos de Albuquerque • Department of Transportation (NMDOT) • City of Rio Rancho • Sandoval County • Southern Sandoval County Arroyo Flood Control Authority (SSCAFCA)

PRESENTED BY

Introduction

The outcomes report is designed to illustrate the collective successes of the Middle Rio Grande Stormwater Quality team. In fiscal year 2025, the Storm Team reached over 1,000,000 individuals in the Albuquerque Metro area through special events, educational efforts, as well as digital promotions through YouTube, ConnectedTV, Social Media Advertising, the KeepTheRioGrande.org website and more.

The Storm Team is a collaborative organization made of of the following: The Albuquerque Metropolitan Arroyo Flood Control Authority, the City of Albuquerque, Bernalillo County, the City of Rio Rancho, Ciudad Soil and Water Conservation District, the New Mexico Department of Transportation, the Southern Sandoval County Arroyo Flood Control Authority, the Town of Bernalillo, the Village of Corrales and the Village of Los Ranchos.

Mid Rio Grande Stormwater Quality Team

Albuquerque Metropolitan Arroyo Flood Control Authority (AMAFCA) • City of Albuquerque • Bernalillo County • Town of Bernalillo • Village of Corrales • Ciudad Soil and Water Conservation District • Eastern Sandoval County Arroyo Flood Control Authority (ESCAFCA) • Village of Los Ranchos de Albuquerque • Department of Transportation (NMDOT) • City of Rio Rancho • Sandoval County • Southern Sandoval County Arroyo Flood Control Authority (SSCAFCA)

Table of Contents

Bernalillo County 1

City of Albuquerque 6

New Mexico Department of Transportation 10

Town of Bernalillo 11

Village of Corrales 12

Stormwater Quality Digital Media Performance 13

City of Rio Rancho | Keep Rio Rancho Beautiful 26

SUPPORTING DOCUMENTS

Southern Sandoval County Arroyo Flood Control Authority . . . . go to report

Cuidad Soil and Water Conservation District
Middle Rio Grande Watershed MS4 Report . . . . . go to report

BEMP Stormwater Science 2024–2025 . . . . . go to presentation

Bernalillo County

Public Outreach and Education Tracking

FY2025: July 1, 2024 – June 30, 2025

Date	Location	Event Topic	Description of Education/Outreach Event Program/Materials	NRS Programs	Partner Organizations	Parti-cipants	Source for Participant Count
QI							
7/13/2024	Whispering Pines Senior Center, 6 Lark Rd, Tijeras, NM 87059	HHW	HHW Collection Event	Stormwater Quality			
7/17/2024	Webinar for NMSU Ready, Set, GROW! Webinar Series	Passive Rainwater Harvesting webinar	This webinar for homeowners will provide an overview of designing, installing, and maintaining passive rainwater harvesting features.	Water Conservation, Stormwater Quality		73	NMSU count
8/3/2024	7003 Coors Blvd SW, 87121 (Dennison Park)	HHW	HHW Collection Event	Stormwater Quality	Clean Harbors	17	sign in sheet
8/6/2024	Gutierrez-Hubbell House	National Night Out	Tabling on NRS Programs	Water Conservation, Stormwater Quality		80	Headcount estimate
8/10/2024	KSFR 101.1 FM	The Garden Journal radio program	Interview on passive rainwater harvesting with Santa Fe Master Gardeners edition of the The Garden Journal radio program	Water Conservation, Stormwater Quality	BernCo. Open Space	unknown	GSI
8/17/2024	Sanchez Farms (1180 Arenal Rd SW, Albuquerque, NM 87105)	South Valley Street Trees and GSI Project	CESSOS Acequia Walk and Talk series along Armijo drain	Water Conservation	CESSOS	8	Headcount at event
8/27/24, 8/29/24, 8/31/24	CNM Smith Brasher Hall (717 University Blvd SE, Albuquerque, NM 87106)	Soil, Water, and Trees workshops/ labs	GSI walk and talk	Water Conservation	NM Tree Stewards	35	Sign in sheet

9/14/2024	Alleyway behind 700 Cardenas NE (International District)	Tabling on passive rainwater harvesting with tabletop model, recruiting for host for Residential Rainwater Harvesting Installation Pilot Project in International District	Alleyway Pop-Up Event –> South San Pedro Neighborhood: Harvest & Pollinators Festival	Water Conservation, Stormwater Quality	Ciudad SWCD	100	Estimate
9/14/2024	Sedillo Road Greater Neighborhood Association (22 Anne Court, Tijeras)	Passive Rainwater Harvesting & Water Conservation Incentive Program presentation	Presentation at neighborhood association annual meeting on passive rainwater harvesting, Water Conservation Incentive Program, and Groundwater Dashboard	Water Conservation, Groundwater		15	Headcount at event
9/14/2024	2220 Raymac Rd SW, (Polk Middle School)	HHW	HHW collection event	Stormwater Quality			
9/18/2024	Alleyway behind 700 Cardenas NE (International District)	Residential Rainwater Harvesting Pilot Project	Presentation to South San Pedro N.A.	Water Conservation	Ciudad SWCD	12	Headcount estimate
9/21/2024	Valle de Oro NWR	Build Your Backyard Refuge Day	Tabling on passive rainwater harvesting and NRS programs	Water Conservation, Stormwater Quality		270	BYR Report
9/22/2024	Vista Grande Community Center	East Mountain Celebration	Tabling for NRS Programs	Water Conservation, Stormwater Quality, Groundwater		1,000	BernCoEvents
9/28/202	International District Library—Multigenerational Room	Drip Irrigation for Trees workshop	Workshop on how to efficiently irrigate trees with drip irrigation. Participants receive free tree drip irrigation kits. Training provided by Groundwork Studio.	Water Conservation	BernCo Open Space (Backyard Farming Series)	19	Sign-up sheet
Q2							
10/3/2024	Carlito Open Space	Carlito Springs Hydrogeology	Dsicussion of hydrogeologic history and human history of Carlito. Background on Groundwater program. How climate affects the open space	Groundwater	Oasis	24	Headcount
10/12/2024	Gutierrez Hubbell House	Passive rainwater harvesting workshop	Workshop on design, installation, and maintenance of residential-scale passive rainwater harvesting features, promoting Passive Rainwater Harvesting Field Guide. Passive rainwater harvesting kits consisting of plants and mulch provided to participants.	Water Conservation, Stormwater Quality	BernCo Open Space (Backyard Farming Series), Arid LID Coalition	16	Sign-up sheet

10/19/2024	Paradise Hills	HHW	HHW collection event	Stormwater Quality			
10/20/2024	Elder Homestead Neighborhood	Tabling for Residential Rainwater Harvesting Installation Pilot Project in International District	Alleyway Pop-Up Event –> Elder Homestead Neighborhood: Octoberfest + CiQlovía 2024	Water Conservation, Stormwater Quality		Unknown	
10/26/2024	Explora	Muslims in STEAM		Groundwater			
Q3							
2/11/2025	Vista Grande Community Center	BernCo Water Conservation Programs and How-To on Rainwater Harvesting	Invited talk to East Mountain Gardener Club on water conservation	Water Conservation		24	Headcount at event
2/24/2025	Raymond G. Sanchez Community Center	Public Outreach for Water Conservation Plan Update	Open house to gather public input for Water Conservation Plan update	Water Conservation		10	Sign-up sheet
2/26/2025	Los Vecinos Community Center	Public Outreach for Water Conservation Plan Update	Open house to gather public input for Water Conservation Plan update	Water Conservation		17	Sign-up sheet
2/27/2025	Los Padillas Community Center	Public Outreach for Water Conservation Plan Update	Open house to gather public input for Water Conservation Plan update	Water Conservation		12	Sign-up sheet
3/5/25-3/7/24	Indian Pueblo Cultural Center	Land and Water Summit	Conference promoting nature-based solutions in the arid Southwest	Water Conservation, Stormwater Quality			
3/15/25	Private residence in International District	Residential Rainwater Harvesting Installation Program workshops	Workshop at private residence that will install residential-scale rainwater harvesting features	Water Conservation, Stormwater Quality	Ciudad SWCD, Arid LID Coalition	19	Headcount at event
3/29/25	Gutierrez Hubbell House	Build Your Backyard Refuge Day	Build Your Backyard Refuge Day in partnership with BernCo. Ideas for BernCo-contributed programming: medicinal plant walk with Dara Saville, tour of GtG fields, tour of Rainwater Harvesting Learning Landscape.	Water Conservation, Stormwater Quality	Backyard Refuge Program, Open Space (Ellie)	780	Backyard Refuge Program
3/31/25	Alvarado Square	IDDE Program	NRS training for IDDE program	Stormwater Quality			

Q4							
4/9/2025	Carnuel—Coyote Springs Bridge	UNM Water Resources—Collect samples for analysis	Demonstrate water sampling procedures to undergraduate lab students and discuss environmental chemistry considerations	Stormwater Quality, Groundwater	UNM Water Resources	10	
4/13/2025	Balloon Fiesta Park (10:00 am–4:00 pm)	Earth Day Festival	Tabling on water conservation, stormwater quality, & groundwater	Water Conservation, Stormwater Quality, Groundwater			
4/15/2025	Gutierrez Hubbell House	Passive Rainwater Harvesting Workshop for Master Gardeners	Workshop on design, installation, and maintenance of residential-scale passive rainwater harvesting features, promoting Passive Rainwater Harvesting Field Guide. Includes tour of Rainwater Harvesting Learning Landscape.	Water Conservation, Stormwater Quality	ABQ Master Gardeners	47	Headcount at event
4/24/2025	UNM Campus (10:30 am–2:30 pm)	University of New Mexico 15th Annual Sustainability Expo	Tabling on water conservation, stormwater quality, & groundwater	Water Conservation, Stormwater Quality, Groundwater			
4/27/2025	Westside Community Center (11:00 am–4:00 pm)	South Valley Pride Day	Tabling for NRS Programs	Water Conservation, Stormwater Quality, Groundwater			
5/17/2025	Ben Griener Field	HHW	HHW collection event	Stormwater Quality	Solid Waste		
5/17/2025	Gutierrez Hubbell House (Museum)	Passive Rainwater Harvesting 101	Workshop on design, installation, and maintenance of residential-scale passive rainwater harvesting features, promoting Passive Rainwater Harvesting Field Guide.	Water Conservation, Stormwater Quality	BernCo Open Space Backyard Yard Farming	29	Sign in sheet
5/27/2025	Carlito Springs Open Space	Carlito Springs Hydrogeology	Discussion of hydrogeologic history and human history of Carlito. Background on Groundwater program. How climate affects the open space	Groundwater	Oasis	24	Headcount
6/7/2025	Tijeras Creek	Master Naturalist presentation	Geology of East Mountains, Tijeras Creek Restoration Project	Groundwater, Stormwater Quality		20	
6/14/2025	Rt. 66 Elementary Edgewood	HHW	HHW collection event	Stormwater Quality	Solid Waste		

6/18/2025	Gutierrez-Hubbell House	Ag Youth Corps presentation	Ag Youth Corps is a partnership program for 16–22 year olds jointly managed by Bernco Open Space and (AgriCultura Network? Ciudad SWCD?). NRS presented to students as part of the program's 'Water is Life' week. 2-hour walk and talk style to talk about the work that NRS does, water resources in New Mexico, Grow-the-Growers collaboration with Water Conservation, Rainwater Harvesting and its relationship to conservation and stormwater quality, etc.	Groundwater, Water Conservation	BernCo Open Space, (AgriCultura Network? Ciudad SWCD?)	5	
6/27/2025	Carlito Springs Open Space	Carlito Springs Geology & Ecology workshop for Oasis	Discussion of local geology and ecology	Groundwater, Water Conservation	Oasis	20	headcount
6/29/2025	North Mountain Pub. Works (25 Frost Rd.)	HHW	HHW collection event	Stormwater Quality	Solid Waste		


ONE ALBUQUERQUE
city of albuquerque

City of Albuquerque

Public Participation Numbers

The City of Albuquerque has provided the following in support of the MS4 permit in fiscal year 2025:

City of Albuquerque MS4 Training:

SWPPP Test: 256 employees

SPCC Test: 45 employees

COA Parks and Open Space

	Volunteers	*Trash (yards)*
Día del Rio	28	2.8
Make a Difference Day	27	0.5
Six Spring Cleanup Days	234	15
National River Clean-up Day	116	20
National Trails Day	69	0.8
Total	**474**	**39**

COA Solid Waste

Number of people who have dropped off material at Household Hazardous Waste	14,139
Total lbs dropped off at HHW center	575,572
Total lbs recycled at HHW center	454,368
Total lbs re-used at HHW Material Reuse Center	10,668
Number of people re-using materials	1,778
Parti cipants in HHW/DMD Collecti on Event	334
Total lbs collected at Collection Event	28,911

City of Albuquerque

Solid Waste Management Department

Household Hazardous Waste Collection Event
Balloon Fiesta Park–East Lot–5000 Balloon Fiesta Parkway NW
5/31/25 9:00am—2pm
Partner: Clean Harbors–Safety Kleen

PARTICIPATION	TOTAL COST
Total: **334** Cars Dropped Off	Total Per Car: **$60.00**
Total Pounds: **17, 436** lbs. Recycled	Total Cost: **$30,060**
Total Pounds: **10,565** lbs. Incinerated	Total Car Count + Double Loads: **501**
Total Pounds: **910** lbs. Neutralized	
Total Pounds: **0** lbs. in the Landfill	
Total SWMD Staff: **7**	
Total Event Hours: **5** Hours	

How Did You Hear About the Event?	
TV/NEWS	79
SOCIAL MEDIA	57
NEWSPAPER	35
CITY EMAIL BLAST	24
WORD OF MOUTH	18
STAGED STREET SIGNAGE	9
RADIO STATION	7
NEXTDOOR	6
CITY WEBSITE	5
REDDIT	3

City of Albuquerque

Solid Waste Management Department

Household Hazardous Waste Collection Event
Balloon Fiesta Park–East Lot–5000 Balloon Fiesta Parkway NW
5/31/25 9:00am—2pm
Partner: Clean Harbors–Safety Kleen

MATERIAL UNLOADED	
Latex Water Based & Oil Based Paints	23 Boxes = 13,800 lbs.Collected
Flammable Solids, ex. Petrolium	1 Box = 600 lbs. Collected
Flammable Liquids	21 Boxes = 3,515 lbs. Collected
Oxidizing Liquid	1 Box = 160 lbs. Collected
Oxidizing Solid	1 Box = 160 lbs. Collected
Propane	182 Boxes = 326 lbs. Collected
Corrosive Liquid	7 Boxes = 1,090 lbs. Collected
Motor Oil	2 Boxes = 2,500 lbs. Collected
Fluorescent Lightbulbs	6 Boxes = 470 lbs. Collected
Fire Extinguishers	(24 Boxes = 240 lbs.Collected)
Batteries	(3 Boxes = 2,200 lbs. Collected)
Aerosols	(7 Boxes = 980 lbs. Collected)

Traffic count for NMDOT's webpages with stormwater content. The traffic counts are listed below.

For Roadside and Community Design from Jul 1, 2024–Jun 30, 2025:

https://www.dot.nm.gov/infrastructure/environment/roadside-community-design-section/

Views: 1,824

File Downloads: 454

For Environmental Bureau Publications from Jul 1, 2024–Jun 30, 2025:

https://www.dot.nm.gov/infrastructure/program-management/environmental-bureau-publications/

Views: 1,568

Town of Bernalillo

As a member of the Stormwater Team, the Town of Bernalillo is committed to providing educational materials on stormwater to the community. For several years, including the past year, the Planning Department has hosted the educational stormwater kiosk, which several hundred people a year encounter when visiting the Planning Department.

Additionally, the Economic and Community Development Department hosts E-Cycle (April 5, 2025), Drug Take Back (April 26, 2025) and Free Landfill (May 17, 2025) events, which help ensure that household refuse is disposed of properly, and does not adversely impact local waterways. Keep Bernalillo Beautiful also supports litter clean up and infrastructure installations, such as dog waste stations, which help ensure the cleanliness of waterways and storm runoff.

The Town maintains two stormwater facilities, Bosque Pond and Athena Park. Maintenance activities for these facilities occur on a routine basis and following rain events. Maintenance includes sediment, floatables, trash, and debris removal, mowing and vegetation control (tree trimming, debris removal), fence and gate repair, and erosion repair. Athena Pond is inspected weekly; other discharge points are inspected at least monthly.

Engineered grading and drainage (G & D) plans are required prior to any development that disturbs more than a quarter acre of earth. Plans are reviewed to ensure that all stormwater that falls on the property is retained on the property. In FY25, the Town reviewed and inspected half a dozen sites.

Village of Corrales

As in previous years, the Village of Corrales partnered with other local entities to form the Stormwater Team. Collectively, we pool our resources for water sampling and testing, waste load allocation reporting, water quality results database and public outreach/education. The group has a website, and an advertising agency marketing it, and together attend many events throughout the year to spread awareness of pollutants that can get into local waterways.

The Village has no municipal storm sewer system. To handle stormwater flows from development, engineered grading and drainage (G & D) plans are required prior to any residential construction that will disturb more than 1,000 square feet. Engineers may design berms, swales, retention ponds and other aspects to keep new impervious surface (roofed or paved) stormwater flows on the subject property and not running into streets or adjacent properties.

Within the Commercial zone, stormwater retention areas must be built into Site Development Plan drawings before those applications can be heard by the Planning and Zoning Commission.
In FY25, the Village saw 19 residential grading and drainage plans prior to issuing building permits. There were two Municipal Site Development Plans that incorporated drainage (primarily retention ponding) into their designs, as required by Village Code.

The Public Works Department oversaw a major project along far West Meadowlark Lane. Repaving had occurred earlier, and the last phase added a paved pedestrian/cyclist path and more robust stormwater capture and retention. Meadowlark is steeply sloped. Built-in stormwater retention exists along this span of roadway, along with a drain inlet at the bottom before the road intersects with Loma Larga. The collected stormwater flows from the impervious surfaces is then directed into new, deeper swales along the north side of Loma Larga, where it can percolate rather than flowing over Loma Larga into the Corrales Main Canal (acequia), and ultimately into the Rio Grande.





Stormwater Quality

Digital Media Performance

Campaign:
4/18/2025 - 6/30/2025

SUNNY505

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Digital Marketing Report

Impressions

How many ads were served

1,058,620

Clicks

Times a user clicked on an ad

7,410

Click-Through Rate

(Clicks/Impressions) x 100

0.70%

CTV Completion Rate

99.02%

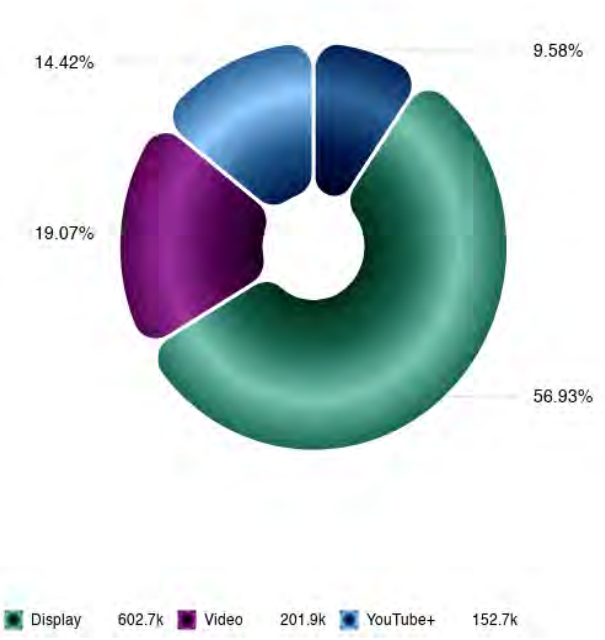
Percentage of users who watched the video from start to finish

CTV Cost Per Completed View

$0.04

The cost of each completed video view across full-screen CTVs

Your Product Breakout by Impressions



Total Engagement Rate

0.77%

(Clicks+View-throughs)/Impressions x 100*

X the National Average

11.06

X the National Avg (.07%)

Mid Rio Grande Stormwater Quality Team

Line Item Performance

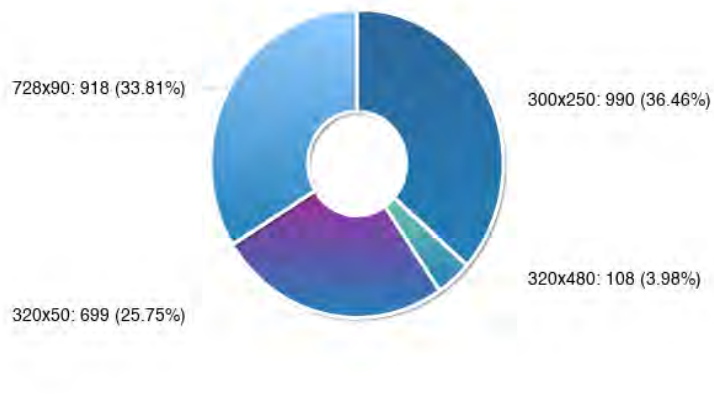
Line Item Name	Impressions	Clicks	CTR	X the National Avg (.07%)
Mid Rio Grande Stormwater Quality Team - Public Health/Educators/Families Behavioral Display	303,089	1,051	0.35%	4.95
Mid Rio Grande Stormwater Quality Team - AI Display	299,608	1,664	0.56%	7.93
Mid Rio Grande Stormwater Quality Team - Categories YouTube	152,667	3,983	2.61%	37.27
Mid Rio Grande Stormwater Quality Team - AI Video	101,242	345	0.34%	4.87
Mid Rio Grande Stormwater Quality Team - Public Health/Outdoor Enthusiasts/Families Behavioral Video	100,630	367	0.36%	5.21
Mid Rio Grande Stormwater Quality Team - Public Health/Outdoor Enthusiasts/Families Behavioral OTT	60,170	0	0.00%	0.00
Mid Rio Grande Stormwater Quality Team - AI OTT	41,214	0	0.00%	0.00

Display Creative Performance

Grid contains more rows, but they have been clipped.

Preview Iframe	Creative	Impressions	Clicks	CTR	X the National Avg (.07%)
	F 002136 StormWater Pet Waste Digital-300x250-px.gif	45,744	351	0.77%	10.96
	F 002136 StormWater Hous728x90-px.gif	56,922	332	0.58%	8.33
	F 002136 StormWater Yard Waste Digital-300x250-px.gif	45,544	328	0.72%	10.29
	F 002136 StormWater Hou300x250-px.gif	43,893	311	0.71%	10.12
	F 002136 StormWater Yard Waste Digital-728x90-px.gif	56,909	294	0.52%	7.38
	F 002136 StormWater Pet Waste Digital-728x90-px.gif	55,984	292	0.52%	7.45
	F 002136 StormWater Pet Waste Digital-320x50-px.gif	96,876	253	0.26%	3.73
	F 002136 StormWater Yard Waste Digital-320x50-px.gif	96,734	231	0.24%	3.41
	F 002136 StormWater Hous320x50-px.gif	96,279	215	0.22%	3.19
	F 002136 StormWater Pet Waste Digital-320x480-px.gif	7,812	108	1.38%	19.75

Display Click Performance by Ad Size



Video Creative Performance

Preview	Creative	Impressions	Clicks	CTR	X the National Avg (.07%)
Click to View	Mid Rio Grande Stormwater Quality Team_There_Is_No_Poop_Fairy_032024.mp4	201,872	712	0.35%	5.04

Video Completion Performance by Line Item

Split	25% Completed	50% Completed	75% Completed	100% Completed
Mid Rio Grande Stormwater Quality Team - Public Health/Outdoor Enthusiasts/Families Behavioral Video	91.34%	87.62%	84.49%	82.07%
Mid Rio Grande Stormwater Quality Team - AI Video	91.18%	87.40%	84.32%	82.21%

Connected TV (CTV) Creative Performance

Preview	Creative	Impressions	Video Completion Rate
Click to View	Mid Rio Grande Stormwater Quality Team_There_Is_No_Poop_Fairy_032024.mp4	101,384	99.01%

Connected TV (CTV) Video Completion Performance by Line Item

Split	25% Completed	50% Completed	75% Completed	100% Completed
Mid Rio Grande Stormwater Quality Team - Public Health/Outdoor Enthusiasts/Families Behavioral OTT	99.57%	99.34%	99.11%	99.04%
Mid Rio Grande Stormwater Quality Team - AI OTT	99.50%	99.23%	99.00%	98.96%

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YouTube+ Creative Performance

Ad (Headline)	Impressions	Clicks	CTR	X the National Avg (.07%)
Mid Rio Grande Stormwater Quality Team_There IS no Poop Fairy - Scoop It, Bag It, Toss It	152,667	3,983	2.61%	37.27

YouTube+ Video Completion Performance by Creative

Ad (Headline)	25% Completed	50% Completed	75% Completed	100% Completed
Mid Rio Grande Stormwater Quality Team_There IS no Poop Fairy - Scoop It, Bag It, Toss It	40.42%	21.61%	15.72%	13.61%

SUNNY505

Device Performance

Device				
Device Name	Description	Impressions	Clicks	CTR
Mobile	A portable electronic device that can connect to the internet.	661,926	4,962	0.75%
Tablet	A portable personal computer with a touchscreen interface that can connect to the internet.	192,015	931	0.48%
Desktop	A personal computing device that remains stationary at one location.	103,249	1,516	1.47%
Set Top Box	A device that connects to a TV and provides streaming content, such as Roku, Fire TV, and Chromecast.	86,277	0	0.00%
Connected TV	An internet enabled device that provides streaming content directly on the TV, without the use of an external streaming device.	14,573	1	0.01%
Game Console	A device primarily used for playing video games, but can also be used to stream content through apps.	580	0	0.00%

Top CTV TV Devices

Device Make Name	Impressions	Video Completion Rate
Samsung	5,176	99.48%
Vizio	2,141	99.58%
Telly	1,862	99.03%
LG	1,420	99.08%
Amazon	747	99.20%

Top CTV Streaming Devices

Device Make Name	Impressions	Video Completion Rate
Roku	45,603	99.00%
Dish	26,512	99.09%
Amazon	7,140	98.71%
DirecTV	4,558	99.30%
Apple	857	95.68%

Top 10 YouTube Channel Performance

Grid contains more rows, but they have been clipped.

Placement Display Name	Impressions	Clicks	CTR
MeidasTouch	465	13	2.80%
Fox News	459	12	2.61%
MSNBC	203	2	0.99%
Occupy Democrats	200	5	2.50%
Family Movie Picks	189	2	1.06%
Cocomelon - Nursery Rhymes	171	3	1.75%
KRQE	169	1	0.59%
SML	136	5	3.68%
JoBlo Animated Videos	135	0	0.00%
penguinz0	114	5	4.39%

Top CTV Publishers

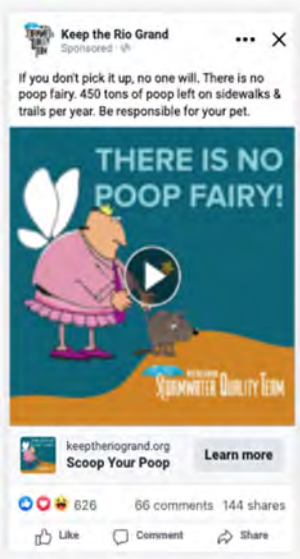
Publisher Image	Publisher Name	Impressions	Completion Rate
	The Roku Channel	31,451	99.20%
	Roku - Sling TV	7,092	98.82%
	Samsung TV	4,878	99.07%
	Roku Streaming	2,522	99.53%
	Google TV - Telly	1,862	98.80%

	Google TV - Plex	1,640	99.51%
	Roku - Pluto TV	1,461	99.77%
	Fire TV - Very Local: Free Local News, Original Series & More	1,436	98.30%
	Vizio	1,228	96.49%
	Fire TV - ESPN	1,158	99.55%

SUNNY505

Paid Social

USERS REACHED	IMPRESSIONS DELIVERED	CLICKS	CTR
166,054	758,786	12,461	1.64%







National average CTR for Paid Social: 1%

City of Rio Rancho
Keep Rio Rancho Beautiful Cleanup Efforts

Keep Rio Rancho Beautiful (KRRB) achieved impressive waste management results, collecting over 1.048 million pounds of total waste across various community initiatives. The program successfully diverted significant amounts of materials from landfills, including 61,400 pounds of single-stream recycling and 21,866 pounds of electronics. Their efforts spanned 23 miles of cleaned areas throughout the City of Rio Rancho.

KRRB tackled illegal dumping aggressively, reporting 253 illegal dumping sites and successfully clearing all of them, while collecting 20 tires in the process. Major cleanup activities included community-wide events, such as the Fall Community Cleanup and the Great American Cleanup, as well as targeted efforts by local groups, including BSA Troop 417 and HP Company volunteers.

Notably, the Sandoval County Free Half Days program alone diverted over 1 million pounds of waste from landfills, demonstrating the power of collaborative community partnerships. The organization maintained 13 recycling receptacles throughout the city and operated TerraCycle boxes in libraries, schools, and city hall.

Education and Community Outreach

KRRB reached 639 people through educational activities, engaging both youth (197 students) and adults (442 community members). Youth education focused on elementary school students aged 5-12, covering topics like Leave No Trace principles, environmental awareness, and campus cleanliness through contests involving six elementary schools.

Adult education programs centered on beautification topics, with popular events at the Loma Colorado Library, including composting workshops, garden expos, and seminars on creating backyard refuges. The Rio Rancho Bosque Reserve hosted nature walks that combined education with hands-on beautification efforts.

Marketing campaigns reached an estimated 534,000 people with a total investment of $2,686, primarily promoting the Great American Cleanup and tree seedling giveaway events through print and digital media. The organization distributed 1,610 promotional items, including TerraCycle boxes, informational brochures, sunflower seed packets, and reusable tote bags.

Area Beautification and Infrastructure

KRRB enhanced 21.35 acres of community space through various beautification projects. The crown jewel was their tree planting initiative, which added 532 new trees to the community landscape, including 518 distributed through their tree seedling giveaway program. Additionally, 397 plants were installed across various locations.

Major beautification sites included the Sabana Grande Recreation Center's water-wise garden, Western Winds Park, and multiple city parks (Los Montoya's, Zia, and Havasu Parks). The tree varieties planted included Afghan Pine, Honey Locust, Austrian Pine, Crabapple, and Elm trees, carefully selected for their suitability in the high desert climate.

Youth Employment and Community Partnerships

KRRB provided meaningful employment opportunities for local youth, with Scouting America Troop 417 contributing 2 hours of community service work focused on litter cleanup, earning a $300 stipend for their 10 participating scouts.

The organization's collaborative approach involved partnerships with schools, libraries, recreational centers, local businesses, such as HP Company, and waste management services. This multi-faceted strategy created a comprehensive environmental stewardship program that addressed immediate cleanup needs while building long-term community capacity for ecological responsibility.

The Keep Rio Rancho Beautiful program demonstrates how coordinated community action can achieve substantial environmental impact through waste reduction, education, beautification, and youth engagement, creating a cleaner, more beautiful, and environmentally conscious community.

2024-05 Keep Rio Rancho Beautiful - Litter and Recycling

Litter Control and Recycling Activities												
Date	Activity Name	Location of Area Cleaned: Roadside, Waterway, Green Space, Mainstreet, Community-wide (Green Space = parks, natural areas, hiking areas, etc.)	# of Miles Cleaned	Lbs. of Trash Collected (to Landfill)	Lbs. of Recycling Diverted	Lbs. of Glass Diverted	Lbs. of Electronics Diverted	Lbs. of Compost Diverted	Lbs. of Cigarette Butts Diverted	Lbs. of Additional Waste Diverted	Detail Additional Waste Diverted	Entity which Diverted Waste
9/14/2024	Fall Community Cleanup	various streets and open spaces within the city	16									
5/24-11/2024	Turtle Mountain Adopt A Spot	Enchanted Hills Blvd	2									
3/29/2025	BSA Troop 417 Cleanup	open desert space on Broadmoor Blvd	2	80								
5/10/2025	Great American Cleanup	various streets and open spaces within the city										
5/15,5/16	HP Company/KRRB Clean up	Roads and Open Spaces around the City Center (City Hall)	3									
FY25	Terracycle Boxes	Boxes placed within libraries, schools, city hall	n/a		200		150			50	art supplies, pens, pencils	Terracycle
07/24-07/25	Illegal Dumpsites KRRB	multiple open spaces/roadways		44,290								
07/24-07/25	RR City Hall Recycling	n/a	n/a		6512							
3/15,5/17	Sandoval County Free Half Days Landfill	Community wide		1,003,870								
7/24-07/25	WM At your Door Service	Community wide			54,688.13		21,716.67					Waste Management

Overall Totals

Total Waste Collected (lbs.)
1,048,240

Total Waste to Landfill (lbs.)
1048240

Total Waste Diverted from the Landfill (lbs.)
0

Total Number of Miles Cleaned
23

Total Single Stream Diverted
61400.13

Total Glass Diverted
0

Total Electronics Diverted
21866.67

Total Compost Diverted
0

Total Cigarettes Diverted
0

Total Additional Waste Diverted
50

Litter Control and Recycling Infrastructure
Number of Trash Receptacles
n/a
Number of Recycling Receptacles
13
Number of Cigarette Ash Receptacles
n/a
Number of Pet Waste Receptacles
n/a
Number of Sharps Disposal Receptacles
n/a
Number of Additional Receptacles
n/a
Detail Additional Receptacles
Total Number of Receptacles
13

Illegal Dumping
Total Number of Illegal Dumping Sites Reported
253
Total Number of Illegal Dumping Sites Cleared
253
Total Number of Tires Collected
20

2024-25 Keep Rio Rancho Beautiful - Education and Outreach

Youth Education Activities

Date	Name of Education Activity	Focus of Event (Litter, Recycling, Beautification)	Location	Number of Students Present	Age range of students
10/8/2024	Leave No Trace	Litter, beautification	Maggie Cordova Elementary	10	5 yrs old
12/3/2024	Stormwater Presentation	Environmental awareness/water conservation	Puesta Del Sol Elementary	12	8 yrs old
12/5/2024	Leave No Trace	Litter, beautification	Maggie Cordova Elementary	10	8 yrs old
3/24 - 4/14/2025	Clean Campus Contest	Litter, beautification,recycling, water conservation	six elementary schools (participated)	150	K5 - 5th grade
5/5/2025	Garden Party	Beautification	Sabana Grande Recreational Center	15	4 and 5 yr olds
				Total	
				197	

General Education Activities

Date	Name of Education Activity	Focus of Event (Litter, Recycling, Beautification)	Location	Number of Audience	
9/28/2024	Bosque Walk and Talk	Beautification	Rio Rancho Bosque Reserve	21	
11/16/2024	Fall Backyard Expo	Beautification	Loma Colorado Library	17	
12/14/2024	America Recycling Day	Recycling	Loma Colorado Library	20	
12/14/2024	How to compost	Recycling	Loma Colorado Library	12	
3/1/2025	Garden Expo	Beautification	Loma Colorado Library	331	
5/3/2025	Creating Your Backyard Refuge	Beautification	Loma Colorado Library	25	
6/10/2025	Living w/ Nature in the High Desert	Beautification	Mariposa subdivision Community	16	
				Total	
				442	

Marketing Campaigns

Dates of Campaign	Type of Media (Radio, Print, Digital, Television)	Call to Action		Estimated Audience	Cost
3/20/2025	Print/digitial	Great American Cleanup		106,000	463.84
3/27/2025	Print/digitial	Great American Cleanup		106,000	463.84
4/3/2025	Print/digitial	Great American Cleanup		106,000	498.34
4/3/2025	Print/digitial	KRRB Tree Seedling Giveaway Event		106,000	630
4/10/2025	Print/digitial	KRRB Tree Seedling Giveaway Event		106,000	630
3/01 - 4/10/2025	Digital	Great American Cleanup	KRRB Tree Seedling Giveaway	4,000	
				Total	**Total**
				534000	**2686.02**

Promotional Items

Type of Item (Re-usable Bags, Water Bottles, T-Shirts, etc)	Number Given Out
Various TerraCycle Boxes	10
Keep Rio Rancho Beautiful Brochure	200
Sunflower seed packets	1,000
Cooler Tote	400
	Total
	1610

2024-25 Keep Rio Rancho Beautiful - Area Beautification

Beautification Infrastructure							
Location of Area Beautified: Roadside, Waterway, Green Space, Mainstreet, Public Building, Community-wide (Green Space = parks, natural areas, hiking areas, etc.)	# Acres Beautified	# Trees Planted	# Additional Flora Planted	Detail Additional Flora Planted	# Rain Gardens Constructed	# Way-Finding/ Welcome Signs Erected	# Miles of Walking or Hiking Paths Improved
Sabana Grande Recreation Center	0.5	1	54	Various plants, herbs, vegetables			
Water Wise Garden	0.85	1	0	Blue Cedar Tree			
Tree Seedling Giveaway	n/a	518	343	Afghan Pine, Honey Locust, Austrine Pine,			
Pollinator Seeds	n/a	n/a	n/a	Sunflower seed packets			
Western Winds Park	3.3	2	n/a	Austrian Pine			
Park Trees, Los Montoya's Park, Zia Park, Havasu Park	16.7	10		Honey Locust, Crabapple, Elm trees			
	Total	**Total**	**Total**		**Total**	**Total**	**Total**
	21.35	**532**	**397**		**0**	**0**	**0**

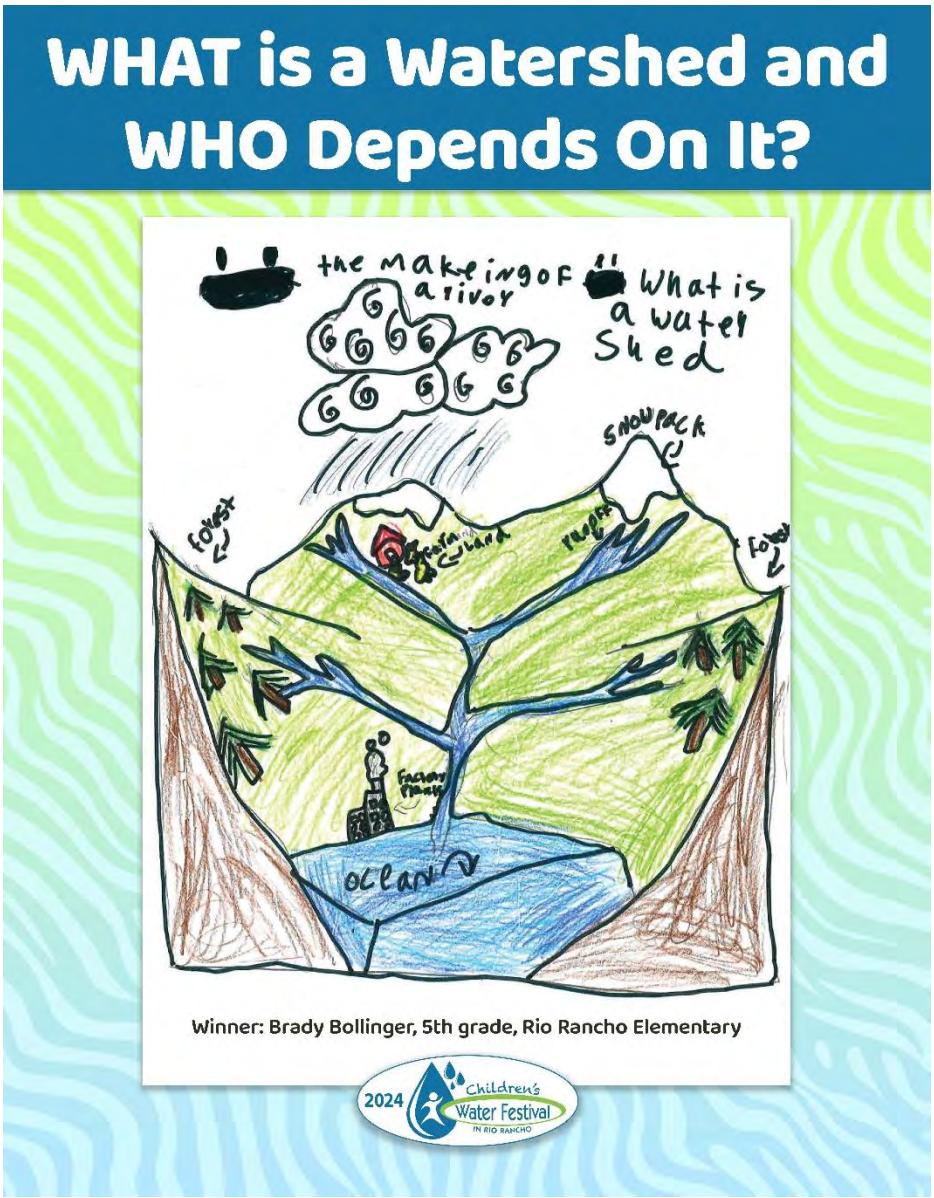
Graffiti Eradication and Prevention
Number of Graffiti Locations Reported
Number of Graffiti Locations Removed
Number of Community Murals Created
Number of Dumpsters Painted
Number of Receptacles Painted

2024-25 Keep Rio Rancho - Youth Employment

Youth Group Subcontracts					
Date	Youth Group Name	Focus of Youth Group (Litter, Recycling, Beautification)	Total Number of Youth in Group	Total Number of Hours Worked	Youth Group Stipend
3/29/2025	Scouting America Troop 417	litter	10	2	300
			Total	**Total**	**Total**
			10	**2**	**300**

Children's Water Festival

Rio Rancho, 2024



EXECUTIVE SUMMARY **3**
INTRODUCTION **3**
PURPOSE AND INTENT **4**
RESOURCES **5**
FUNDS 5
CWF Cost *5*
Sponsorships *6*
LABOR 6
Event Volunteers *6*
Steering Committee *7*
VENUE 7
TRANSPORTATION 8
CWF DESIGN **8**
PRE-CWF ACTIVITIES 9
RIO RANCHO CHILDREN'S WATER FESTIVAL EVENT 10
POST-CWF ACTIVITIES 11
SCHOOLS ATTENDING THE CWF **11**
CWF PRESENTATIONS **12**
FEEDBACK **13**
STEERING COMMITTEE 13
PRESENTERS 16
VOLUNTEERS 20
GENERAL PRESENTATION FEEDBACK 22
CONCLUSION **22**
APPENDIX A **24**
WORKING TIMELINE 24
APPENDIX B **25**
CWF PRESENTATIONS 25
APPENDIX C **29**
STUDENT TEST 29
APPENDIX D **33**
STUDENT TEST SCORES 33

Executive Summary

The 2024 Children's Water Festival (CWF) was a two-day event that was held on Tuesday, October 29th and Wednesday, October 30th at the Rio Rancho Events Center located in Rio Rancho, NM. Over the two-day period, an estimated 540 fifth-grade students, from 26 different classes, from 6 different schools attended the event. The CWF continues its post-pandemic schedule of alternating local area Rio Rancho elementary schools annually. The elementary schools that did not attend last year attended this year. The schools that attended this year's event were: St. Thomas Aquinas, Maggie Cordova, Martin Luther King Jr., Puesta del Sol, Rio Rancho and Joe Harris elementary schools. Fifth-grade students are ideal for the CWF event since the event curriculum, of various water-related topics, better aligns with the science objectives taught in 5th grade. Each student attended four, 25-minute, hands-on activities. There was a total of 13 activities this year that were presented by federal, state, and regional governments and also from private industry professional organizations. The presenting organizations have interests in water-focused issues such as the water cycle, water ecology, water quality, water conservation, wastewater and water distribution.

This year's event was made possible with the help of approximately 65 volunteers. These volunteers assisted in varying capacities including administrative duties, training duties, student guides and conducting hands-on activities.

Students were evaluated on basic water knowledge before and after the CWF. The goal was to see how much students actually learned and retained as a result of attending the event. More information on the test used to evaluate students can be found in Appendix C. Evaluation of student performance can be found in Appendix D.

The CWF costs an estimated $. The City of Rio Rancho contributed $10,000 to the CWF and additional funding was raised through Ciudad Soil & Water Conservation District. This year's CWF sponsors include: Jacobs, Waste Management, Huitt Zollars, Southern Sandoval County Arroyo Flood Control Authority, Baker Utility Supply and CWA Strategic Communications.

Introduction

The Children's Water Festival (CWF) has occurred in Rio Rancho since 2007. The 2010 CWF was the first event hosted by the City of Rio Rancho's Water Conservation Office. This report is for the 2024 CWF; the 13th event hosted by the Water Conservation Office. There was no CWF event during the Covid-19 pandemic years of 2020 and 2021. As in years past, the CWF was held at the Rio Rancho Event Center, formerly the Santa Ana Star Center. There were an estimated 540 students attending from 26 classrooms from Rio Rancho Public Schools and also one private school. The event was held on Tuesday, October 29th and Wednesday, October 30th.

Purpose and Intent

The principal focus of the CWF is to educate fifth-grade school children about water and its relationship to humans, animals and other natural resources in a fun and interactive atmosphere. The CWF's vision is to:

- Introduce students and teachers to new ideas, options, and solutions so they will conserve and protect water for the future,
- Lay the foundation for further learning, and
- Reach as many students and teachers as possible.

Public participation is essential to successful water conservation, and educating the public promotes better water conservation planning and implementation. Early education influences the future acceptance of water conservation concepts. This early education experience also has shown that training efforts affected behavioral changes and improved water use practices. Water conservation goals are only as effective as water users' willingness to adopt and implement appropriate water conservation measures. Through special training activities, water users are taught proper water use practices and techniques. Efficient use of water supplies decreases waste and prevents degradation of water quality leading to healthier ecosystems for fish and wildlife, including locally listed endangered species, such as, the Rio Grande Silvery Minnow (*Hybognathus amarus)* and the Southwestern Willow Flycatcher (*Empidonax traillii extimus*).



"Rolling River" by Ciudad Soil & Water Conservation District

The CWF was designed specifically to introduce and explain new and unfamiliar water management tools to present and future water users and managers. Research concerning water conservation education indicates the targeted group of the CWF, fifth-grade students, is ideal for achieving long-term goals. Through sharing water conservation and water quality tools at home and with extended family, the estimated 580 participants (students, teachers, and chaperones) represent a potential audience of 5,000 to 10,000 people for the CWF program.

A series of activities that cover a wide range of core curriculum areas were presented at the CWF. These activities included language arts, mathematics, science, social studies, visual arts, and health/wellness; all of which are tied to water conservation, water quality, and water quantity in the arid Southwest desert.

The updated Water Resources Management Plan (Plan), adopted by the City of Rio Rancho Governing Body in 2020, details water efficiencies and water conservation measures to be taken by the City to better manage the existing water supplies. Policy E.5 of the Plan sets forth this

initiative: “Continue consulting with and improving the partnership with Rio Rancho Public Schools to implement a robust water resources educational curriculum.”

Additionally, the City of Rio Rancho Strategic Plan was formally adopted by the City of Rio Rancho Governing Body on March 25, 2009 and updated September 28, 2023. One important element of the Infrastructure Strategies section of the Strategic Plan pertains to water sustainability and conservation to support growth and development of the City.

Resources

Funds

CWF Cost

The Festival costs are listed in the table below. Please note that the cost for the Rio Rancho Events Center is only for the personnel time which included two police officers each day for security. The pipe and drape for the booth setup was bought by the CWF in previous years so there is no pipe and drape rental. A private bus company was used to transport students to and from the CWF. Any monies raised from sponsors that exceed the CWF costs will be used for the 2025 CWF. The cost per student for this year’s CWF was $25.54 and includes the CWF T-shirt and transportation.

ITEM	COST
Rio Rancho Event Center	$ 3,020.25
Catering for volunteers & presenters	$ 2,951.20
Buses	$ 8,489.96
T-shirts with art/logos	$ 5,248.75
Supplies (paper, postage, thank you cards, etc.)	$ 537.95
Fiscal Partner	$ 1,000.00
TOTAL	**$ 21,248.11**

Sponsorships



Through its fiscal partner, Ciudad Soil & Water Conservation District, the City of Rio Rancho's Water Conservation Office was able to secure several sponsors to fund the CWF. Additionally, the City sponsored $10,000 for the CWF.

The City of Rio Rancho's Water Conservation Office extends its deepest gratitude to these valuable partners. Their generous support makes it possible for us to achieve our goals and create a meaningful impact in our community. Thank you for believing and supporting our mission to teach youngsters about the importance of water conservation and being good stewards of this precious resource!

Labor

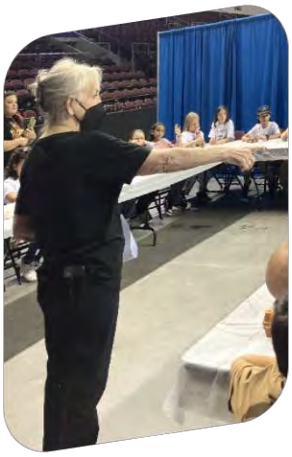
Event Volunteers

The CWF could not be held without the assistance of a number of selfless volunteers, presenters, and Steering Committee members. This year we had approximately 65 volunteers. All presenters and volunteers were required to apply with the City of Rio Rancho as a volunteer and authorize the City to perform a background check. Background checks are required annually and currently the City does not accept existing and current background checks performed by other institutions. Applicants were required to fill out both an online application along with a .pdf form application, creating some redundancy. Most of the presenters and volunteers participate annually, adding to the online application redundancy. It is a future hope that we can eliminate some of the redundancy in the application process with absolutely no loss to the safety and security of our young students.





Volunteers served in various areas of need at the CWF. Areas included: planning and facilitating, front desk check-in, classroom guides, presenters, assistants, a photographer, and perimeter supervisors.







Steering Committee

The CWF was directed by a diverse Steering Committee. This core group of volunteers was made of members from:

- City of Rio Rancho's Water Conservation Office
- City of Rio Rancho's Keep Rio Rancho Beautiful Office
- Sandoval County Master Gardeners
- New Mexico Environment Department – Surface Water Quality Bureau
- Citizen volunteers



The Steering Committee met monthly, beginning in the Spring, to begin planning this year's CWF.

Venue



As in past years, the CWF was held at the Rio Rancho Events Center. The venue was easily able to accommodate students, teachers, presenters and volunteers. The Rio Rancho Event Center provided personnel to set up the pipe and drape booth stations, police security and catering staff. This year, presenters and members of the Steering Committee were able to set up displays and equipment the day prior to the start of the CWF. This allowed for a smoother start on the first morning of the event than in years past. The Rio Rancho Event Center provided breakfast and lunch for the presenters and volunteers.

Transportation



Transportation was provided by the CWF at no cost to students. This year, transportation services were provided by Herrera Coaches. ADA compliant busses were provided for students that required accommodation. A total of 12 buses were purchased to transport students and teachers from the schools to the CWF, and then back to school from the CWF after the event was over. Students were back at school just in time for lunch.

CWF Design

All aspects of the CWF planning and implementation were created with the *Big Water Questions* in mind. Each presentation addressed at least one of the *Big Water Questions*, as well as the CWF's purpose and intent The long-term outcome goal is that all elementary school students will be able to provide reasonable answers to these questions by the time they reach middle school.

Big Water Questions

- Why is water so important to life?
- How do all living things depend on each other?
- What is the water cycle?
- What is a watershed?
- Where does my drinking water come from?
- What makes water dirty?
- How much water does my family use?
- Who are the other water users in our society?
- How can I protect our water?
- Where does my wastewater go?

Students attended four presentations at this year's event. The CWF is broken down into three parts: pre-CWF activities, the CWF event, and post-CWF activities.



Watershed Ecology, presented by the Bosque Ecosystem Monitoring Program.

Pre-CWF Activities

- Establishing school liaisons: Each school provides a lead fifth-grade teacher who confirms their commitment to participate and agrees to coordinate with the rest of the fifth-grade teachers in their school. They are the main point of contact between the Steering Committee and the school. The lead teacher will provide the total number of fifth grade classes in the school, the names of the teachers for those classes and a student count for each class.
- Pre-CWF packets: Each class is sent a pre-CWF packet that includes a teacher information sheet, photo release forms for students, and instructions and materials for students to participate in the T-Shirt Artwork Contest.
- T-shirt artwork contest: Students create a picture related to the theme of the CWF. The artwork is submitted to the Water Conservation Office and the Steering Committee selects a winner. The winner's artwork will be featured on a t-shirt that each student will receive.
- Pre-CWF test: A pre-test is made available for students. This pre- CWF test, along with a post-CWF test, is used to assess students' basic water knowledge before and after the CWF. More information can be found in Appendix C and D of this report.
- Swag bags: Each classroom receives a swag bag. These bags include educational materials for students, water conservation promotional items for students and teachers, and a CWF t-shirt featuring the T-shirt Artwork Contest winner's artwork for each student to wear to the CWF.

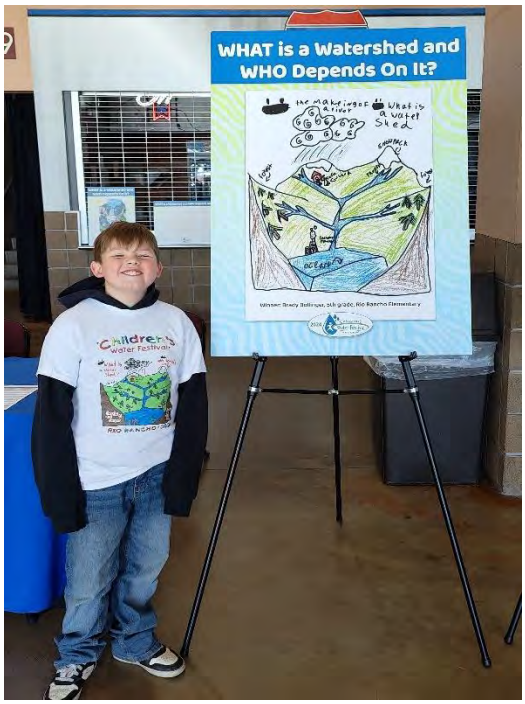


Swag bags

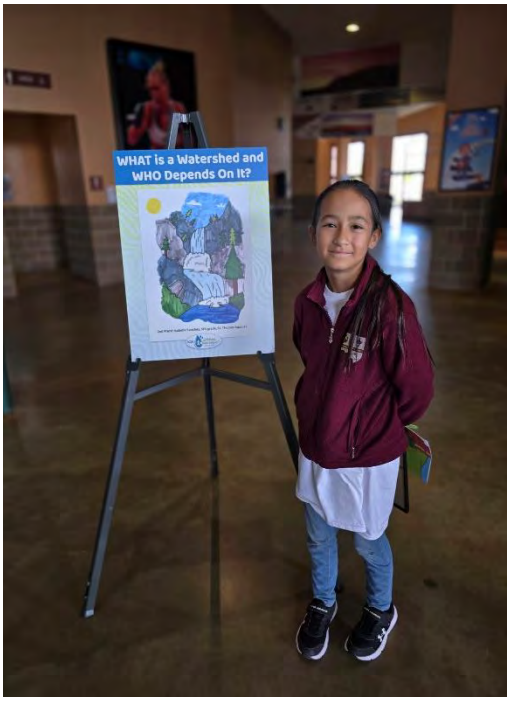
Rio Rancho Children's Water Festival Event

- This year the CWF ran from 10:00 a.m. through 11:55 a.m.
- Students boarded buses at their schools starting at 9:30 a.m. and began to arrive at the Rio Rancho Event Center around 9:45 a.m.
- Once students arrived to the event, each class was paired up with a CWF volunteer guide who escorted them through the event.
- Each class participated in 4 hands on presentations that where 25 minutes each. There was a 5-minute break in-between each activity. Presentation topics included: water quality, water conservation, the water cycle, wastewater, ecosystems, and built water infrastructure. See Appendix B for details about presentations.
- Students started boarding busses to return to school about 12:00 p.m.

All students received a CWF T-shirt. Brady Bollinger from Mrs. Jonas' Rio Rancho Elementary School's fifth-grade class was the winner of the CWF T-Shirt Artwork Contest. His design was displayed on the front of the t-shirt and CWF sponsor logos were featured on the back. Baker Utility Supply was one of the sponsors this year but their logo was not included on the t-shirt due to the t-shirt design concept deadlines. Baker Utility Supply will be included on all other material where this year's CFW sponsors are mentioned.



1st Place Artwork Winner: Brady Bollinger from Mrs. Jonas' Rio Rancho Elementary School class.



2nd Place Artwork Winner: Isabella Sanchez from Ms. Lawton's St. Thomas Aquinas School class.

Post-CWF Activities

- Post-CWF tests: A post-test was made available for students. See Appendix C and D for more information.
- Evaluation Forms: Evaluation forms were sent out to presenters, volunteers and teachers via email. Evaluation response will be used to improve future CWF events. See the Feedback section of this report for evaluation responses.
- Final report: presenters, volunteers and teachers will receive a copy of this report. A copy of this report will also be made available on the City of Rio Rancho website.

Schools Attending the CWF

The CWF continues to operate on a post-pandemic schedule where Rio Rancho area elementary schools alternate on an annual basis. Rio Rancho schools that were not invited to attend this year's CWF will be invited to attend next year's event. This year there were 6 Rio Rancho area schools that attended the CWF. The following table outlines those schools.

Elementary School	**Number of Classes**	**Day Attended**
Maggie Cordova Elementary (MCES)	5	Tuesday, October 29th
Joe Harris Elementary (JHES)	4	
Martin Luther King Elementary (MLK)	4	
Rio Rancho Elementary (RRES)	6	Wednesday, October 30th
Puesta del Sol Elementary (PDS)	5	
St. Thomas Aquinas School (STAS)	2	
Totals	**26**	

The Water Conservation Office and Steering Committee continue to explore future options that would allow all Rio Rancho elementary schools to participate annually instead of biennially. Labor and transportation resources and differing school schedules are the major limiting factors to annual attendance of all schools.

CWF Presentations

Each year the CWF relies on numerous professionals who volunteer their expertise and time to present the hands on, water themed, activities that the students participate in. These professionals represent federal, state and regional government entities, local engineering firms, and the school district. They choose presentations that represent their missions or specialties. A description of all the presentations, the presenters and their contact information has been provided in Appendix A.



A lesson in "Flash Flooding" presented by the National Oceanic and Atmospheric Administration



Learning how "Recycling Saves Natural Resources" presented by Waste Management



"Incredible Journey" presented by the NMED Surface Water Quality Bureau

Feedback

Evaluation forms are given to teachers, presenters and volunteers after the CWF event. This year a total of 88 evaluations were sent out. 17% of those evaluations were returned to the Water Conservation Office. The Steering Committee also conducts a post-event meeting to discuss successes and opportunities for improvement. Below is feedback received.

Steering Committee

- Visuals for "rooms". Consider more "pop" in draped "rooms". Maybe some pictures. Laminated for repeated use.
- Resources for these visuals (presenters, conservation dept…)
- Some activities had kids yelling as part of activity, was disruptive to other surrounding activities. Move to and end of arena layout or out in hall.
- Make sign of booth # and event name noticeable/ easier to see. More contrast of sign to the blue drape. Bigger numbers, laminated separated from activity name. Reuse #s annually.
- Water stations with dump bucket for extra water, labeled so people know what the bucket is for. Smaller cups so kids don't get more than they need.
- Add spill station at each water station (roll of paper towels…)
- Location of water stations- do we want to keep 4 at each corner or drop to 2 more midline on each long side. Keep water stations.
- Presenters giving out items to kiddos. Consider coordinating w/ presenters to include their goodies in the pre-event teacher bags. Or instruct presenters to give items in a bag so that kids are not fumbling trying to carry items.
- Olla Ole- pick up olla at end of event. Allows for more drying time and may prevent breakage. All classes pass Olla Ole upon exit from arena.
- Need to overestimate on chair needs, had to run around in real time looking for chairs
- T-shirts- not enough smaller sizes- use this year's requests to better estimate for next year. Earlier solicitation of student sizes.
- Better organize assembly of teacher bags and include review process of bags
- T-shirt suppliers
- Artwork on tvs-worked!
- Dates later in Oct works-
- Keep tues and wed
- Expanding to add all schools (again)
    - Currently split up North and South
    - 800+ vs 500+ kid count
    - Hurdles to expansion
        - Transportation coordination
        - School starts- vary and can change
        - More presenters needed

        - More volunteers needed
        - Schedules of presenters may be limited
        - 1 event vs 2 separate festivals-2 may be too difficult w presenter commitment, transportation, tshirts, sponsorships,
        - Less activities per group to reduce need for extra presenters
        - Consider doubling classes for activities
- Earlier reminders to schools about event- many teachers did not know about event
- Through who? Individual schools? District? Flyer at school to post in office/ teachers' lounge? School app postings? school webpages under events?
- Provide district w/ annual report
- Puesta del Sol's future?
- Contact schools in Spring to get 4th grade count for incoming 5th graders in fall.
- Cleveland HS- Anastasia Kennedy-does she have any landscaping students that would like to present? 4-5 students
- Yellowstone as a sponsor or presenter
- Remind presenters to make relation to water! Or post pics showing the relation.
- Need to reiterate bathroom rules to teachers and guides
- Assign volunteers to monitor escape routes
- Buses
    - RRES bus late abt 10 mins.
    - St. Thomas bus called us to call front desk to let them know they were there for pick up
    - Bus company didn't account for ADA needs initially. Had to add quote for ADA.
- Presenters going over or under 25 min. Ignoring time warnings.
- Consider adding extra warning time. 5 min, 2 min, times up
- Some type of global time warnings PA system
- Use a storm that gradually get worse and eventually drowns out speakers when time is up
- Use rrec staff or volunteer to control
- Invite members of the media for next year
- Add post event story in Observer
- Communicate w Public Info Officer on 4th floor
- Food
    - Not enough burritos on first day
    - Ran out of vegetarian option for lunch
    - Several menu items discussed did not provided
    - Availability of kitchen staff
    - Food quality issues
    - Food label issues. Could create safety issue in regard to allergies, dietary restrictions etc.
- Want to encourage sit down lunch for networking among presenters. Not just grab and go.
- Consider alternative food options for the future
- Warm meals requested. But include to go boxes for those that must go

- 89 post test responses so far- will send reminder
- 16% eval surveys returned so far- will remind teachers
- Volunteer/ Presenter application process- Meet w/ HR. Get rid of NEOGOV for repeat volunteers/ presenters. Would like to be able to utilize current RRPS/ other current gov background checks if possible.
- Next CWF Committee meeting- around April

Presenters

Questions	Was there enough contact between you and the presenter coordinator to easily understand the layout of the Water Festival and where the Water Festival was being held?	Please discuss any problems or issues you had with the booth or area of your activity	The activities were 25 minutes in duration with 5 minutes for rotations. Did this format work for you? If not, how could we improve it?	Please comment on the food provided for breakfast snacks and lunch.	What kind of feedback would you need from us to provide to your program/organization?	How could we improve the overall organization of the event?
Response 1	Yes. And upon arrival I was shown the layout and taken to my station	None come to mind.	This format did work although it was very tight. It is always nice to have more time with students but I understand the time restraint and wanting to get in as many rotations as possible.	The food was very good. I would have liked to see more red and green chile (especially with the breakfast burritos. =))	It would be great to get feedback from teachers. For example, did they find our station valuable? Did it reinforce NGSS concepts for their students?	
Response 2	Yes	None	Yes	Food was good	None	Very well organized. Ran smoothly. Ty
Response 3	Yes	None at all	I think it's the perfect time frame. Kids end up with an interactive activity, so they don't get bored.	Good	None	

Questions	Was there enough contact between you and the presenter coordinator to easily understand the layout of the Water Festival and where the Water Festival was being held?	Please discuss any problems or issues you had with the booth or area of your activity	The activities were 25 minutes in duration with 5 minutes for rotations. Did this format work for you? If not, how could we improve it?	Please comment on the food provided for breakfast snacks and lunch.	What kind of feedback would you need from us to provide to your program/organization?	How could we improve the overall organization of the event?
Response 4	Yes, I appreciated the timely responses to my emails and general updates for the event.	No issues	It worked well for me.	I enjoyed the food. Thank you for providing us meals.	Is our activity "My Water Footprint" providing information you deem appropriate? Would you prefer an activity more focused on watersheds?	
Response 5	Yes	None	Yes	Breakfast good, lunch preferred the lasagna or spaghetti	None	
Response 6	Yes	None	Yes. This rotation duration is common with other venues.	Tasty!	Keep sending out the Post Event report.	

Questions	Was there enough contact between you and the presenter coordinator to easily understand the layout of the Water Festival and where the Water Festival was being held?	Please discuss any problems or issues you had with the booth or area of your activity	The activities were 25 minutes in duration with 5 minutes for rotations. Did this format work for you? If not, how could we improve it?	Please comment on the food provided for breakfast snacks and lunch.	What kind of feedback would you need from us to provide to your program/organization?	How could we improve the overall organization of the event?
Response 7	Yes, the emailed and instructions and the info on the first day of the event were helpful.	Our "incredible journey" activity is better suited for the end of the row or (preferably) in the outer concourse area as the students need more room to move around without disturbing foot traffic or other classes.	Yes, the format worked well. Buses didn't seem to get to the activities too early this year and classes were not brought to our center earlier than scheduled.	The food was disappointing this year. Coworkers mentioned missing the pasta, pizza, and enchiladas. There were not enough burritos on the first day and overall the food just seemed sad. I understand the interest in boxed lunches, but having a sit-down lunch with other presenters was previously a good opportunity for networking and sharing ideas.	The final report is helpful when communicating to upper management and having the RR CWF city website updated would also be helpful.	

Questions	Was there enough contact between you and the presenter coordinator to easily understand the layout of the Water Festival and where the Water Festival was being held?	Please discuss any problems or issues you had with the booth or area of your activity	The activities were 25 minutes in duration with 5 minutes for rotations. Did this format work for you? If not, how could we improve it?	Please comment on the food provided for breakfast snacks and lunch.	What kind of feedback would you need from us to provide to your program/organization?	How could we improve the overall organization of the event?
Response 8	Yes - Plenty of time between sessions.	No problems.	The format worked for us. (Once we got our rhythm down we were able to utilize the full time with the students.)	All good.	Only thing for us was a request that the NEW logo for WM be utilized on the t-shirts next year. (Thanks)	
Response 9	Yes	The setup was adequate. Being on the main floor did become noisy.	I thought this worked really well.	Anytime there is free food I'm happy!	None	

Volunteers

Questions	Was there enough contact between you and the volunteer coordinator to easily understand where and when the Water Festival was being held?	Please comment on the volunteer training that took place day of. Did you feel that you were ready to guide the teachers and classes to their assigned activity?	Please discuss any problems or issues you had with the booth or area of the activities.	Please comment on the food provided for breakfast and lunch.	How could we improve the overall organization of the event?
Response 1	yes	n/a	n/a	not enough and needed more vegan options	Was only able to attend the event on the Tuesday and based on what I seen the event went smoothly.
Response 2	Yes.	The training was excellent. We totally understood all that we were to do in leading the classes to their activities	None	I would have liked to have some hot tea or decaf coffee. I am getting old...Ha! Ha!	I thought that this year's event went really well. I am unclear about the T-Shirts and if we had enough medium and smalls. There surely is a way to calculate an "average number" of mediums and smalls for each class and then just have a few XL, XXL, aand XXXL available.

Questions	Was there enough contact between you and the volunteer coordinator to easily understand where and when the Water Festival was being held?	Please comment on the volunteer training that took place day of. Did you feel that you were ready to guide the teachers and classes to their assigned activity?	Please discuss any problems or issues you had with the booth or area of the activities.	Please comment on the food provided for breakfast and lunch.	How could we improve the overall organization of the event?
Response 3	Yes	I feel like it was thorough and was easy to follow.	None that I can recall. I really enjoyed the hands on ones because I feel like kids learn more through experimentation.	Breakfast: Only had a burrito but it was very dry. Lunch: 1st day was pretty good but the 2nd day I used the dressing and thought that it tasted funny. Then found out that it was expired.	None that I can think of as the organization itself was good it was the facilities food that ruined it.
Response 4	Yes. The communication was great.	Yes. My work as a volunteer was pretty self explanatory once we received the clipboard of info for the day.	Some of the speakers were very quiet. Having a microphone may help in the future? Could be nice and more inviting if the booths had more visuals of who they are?	The food was great. Thank you for including it into our day!	Overall the event went well. Some booths had trouble connecting to the students, but that is on them. At this time, I do not have any recommendations for improvement.
Response 5	Yes	Yes	None	Need better	Ok as is

General Presentation Feedback

Feedback on the educational water activities that the students participated in was also received. This feedback comes from teachers and volunteer guides. This feedback will be used to communicate directly with the activity presenters about what is working within the activity and what areas of the activity could use improvement. The goal of the activities is not only to teach students about the importance of various water topics, but to do it in a fun, hands-on and engaging manner; including a mixture of play and education. If students are engaged and excited about what they are learning, they are more likely to take what they've learned and use it daily to become better stewards of precious water resources.

One frequent comment was that presenters needed to speak louder so that students in the back could hear clearly. This will be emphasized to presenters for future CFWs. Another issue mentioned was that some of the "louder" activities interfered with neighboring activities, making it hard to hear that presentation. We want the students to get excited about what they are learning, and that at times manifests into "loudness". Instead of discouraging this excitement, we can consider relocating such activities to an area of the arena that will accommodate this level of engagement without any disruptions to other activities. A win-win for all.

The majority of the feedback of the presentations at this year's CWF was positive. Many comments stated that activities were fun, hands-on and/or encouraged student participation.

Conclusion

There were a few little headaches this year; applications process redundancy, gauging student t-shirt sizes, a bus arriving 10 minutes late, a bumped head requiring an ice pack, not enough chairs at times, water spills, the occasional escape and catering issues, just to mention a few. The Environmental Programs Manager, whose position oversees the Water Conservation Office, was vacant during the start of the planning phase of this year's CWF. Despite this vacancy, thanks to the dedicated members of the Steering Committee, the planning began and the work started on schedule. Due to some of the lessons learned this year, changes have already been made to better address them. For example, to better address chair shortages, we will overestimate future needs. To address spills, we will incorporate spill stations throughout the arena for faster cleanup and avoidance of potential falls. And to better address the occasional escape, we will have a volunteer stand guard over all potential escape routes. Overall, the 2024 Children's Water Festival was a success! There were plenty of volunteers and presenters this year. We even had a very special Rio Rancho VIP attend this year's event which was a treat for everyone who was present.

Thank you to all the students and teachers that participated this year. This year produced a great group of well-behaved students that I am confident will go out and spread the word about the importance of good water stewardship.

Thank you to our wonderful sponsors this year. This event would not be possible without your commitment and generosity.

And a special thanks to Marian Wrage. You are amazing and have been the backbone of this event for so many years. Your work with the CWF and in the water world has truly made a difference in our community, thank you.

Appendix A

Working Timeline

The following was used to ensure that steps of the CWF preparation were completed in a timely manner.

- May 5 - Ask for sponsors
- May 5- Contact PTA folks
- June 30 - Update VIP list
- June 30- Reach out to presenters
- June 30- Reach out to volunteers
- June 30- Design poster w/ theme
- August 1 – PO for RR Sponsorship
- August 1 – PO for Buses
- August 6 – RR schools starts
- August 13- Get final class/ student count from schools
- August 20 - Email teachers about CWF date and artwork delivery
- August 20 – Drop off artwork paperwork, poster, photo release forms
- September 1st- Mail VIP Invitations
- September 1 - Email reminder to teachers including schedule and pre-test
- September 4 – Pick up artwork, photo release forms
- September 18 – Meeting to select the winner
- September 18 – Artwork to Rio Rancho T Shirts
- September 20 - Meet with RREC about food, etc.
- October 16- Pick up T Shirts
- October 23 - Email layout to RREC
- October 23- Meeting to pack bags of t-shirts
- October 24- Drop off bags this day
- October 29th and 30th – Water Festival
- November 6- Remind teachers about post-test and teacher evaluation sheets. Volunteer feedback forms also sent out.

Appendix B

CWF Presentations

This appendix lists all of the Festival presentations and contacts. For each section, there is the name of the presentation, a brief description of the activity, the contact information of the presenter and if available, where the teacher can locate a similar presentation if they would like to teach it in the classroom.

Name	Description	Presenter	Contact Information	
Settle it Outside	Students become wastewater operators and learn how the wastewater treatment plant cleans dirty water. They then create wastewater using everyday materials and clean the wastewater by sorting it into three stations: water, sludge, and trash.	Jacobs	Bill Jaquez	billy.jaquez@jacobs.com
Water Jeopardy	Students learn basic concepts and differences about groundwater vs. surface water supply for potable drinking water. The concepts are reinforced by participation in a Jeopardy game where students compete to determine the correct water "question" for a series of given "answers" (like the TV show).	Bohannon Huston, Inc.	Nathan Roberts	nroberts@bhinc.com
Leaky Faucet	Students create a water leak and scientifically measure the leak using graduated cylinders over three tests. The students then compute the average milliliters of water leaked over one minute to the number of gallons of water leaked and wasted over one year.	Citizen		
Flash Flooding	This activity demonstrates several ways flash flooding can occur utilizing our flood model. We allow the kids to use a pitcher of water to demonstrate rainfall and how rain-rate affects flash flooding. The model uses sponges to show how the ground can soak up a lot of that	NOAA	Scott Overpeck	scott.overpeck@noaa.gov

Name	Description	Presenter	Contact Information	
	rainwater but eventually it runs off into the streams, arroyos and eventually rivers. If the ground or sponge is saturated, then all the rainfall runs off into the drainage areas. We have toy houses to show what happens to houses in flood prone areas and how to build levees to protect structures. We could change out the sponges or ground for a flat plexiglass surface to represent concrete. We could show how the "concrete" does not catch any rainfall and it immediately runs off causing flooding. We also demonstrate by moving our rain catcher how flooding changes with moving storms or how it changes with the speed of storms. These demonstrations let us have conversations with the kids and teachers about flood safety and preparedness.			
Keep the Rio Grande	Keep the Rio Grande Activity is an interactive game where the students become an arroyo supplying stormwater to the Rio Grande. The stormwater picks up a variety of items as the flow increases creating a flood of raindrops, trash, pet waste, bacteria, and plastics as the students pass the items down to the river. The students learn about stormwater quality and the impact we have on water in our neighborhoods and town. After the rain has stopped, students discuss the water and debris on the ground around them and at the end of the line the river. Then they are tasked with sorting all of the items to bins labeled: trash, compost, recycle and rain.	Stormwater Quality Team	Xavier Pettes	xpettes@rrnm.gov

Name	Description	Presenter	Contact Information	
Incredible Journey	During this activity, students become water molecules and move through the water cycle. They learn about the movement and distribution of water as well as pollution on the earth.	NMED Surface Water	Heidi Henderson	heidi.henderson@state.nm.us
Stormwater & Watersheds	Students learn about watersheds by examining and manipulating watershed models. They learn that a watershed is the land area that drains to a water body such as a river or lake. They see for themselves how watersheds can influence water quality.	Sandia NL	John Kay	jtkay@sandia.gov
Rolling River	How does a river work? Students interact with a model watershed and watch the cause and effects of precipitation as it flows down-gradient from urban and rural environments. Students learn about "pervious" and “impervious” surfaces and their relationship with the water cycle, including pollutant transport and increased erosion. Students learn that their personal actions can protect their watershed.	Ciudad Water & Soil	Steve Glass	jstvglass@gmail.com
Surface Water Treatment	Students learn about processes used to clean water in a contemporary water treatment facility through an interactive process. This activity teaches children about the importance of water quality for drinking water.	Corollo Engineers	Rob Buss	rbuss@corollo.com
Watershed Ecology	Students learn about the plants, mammals, arthropods, and water table along the Bosque and how they are all supported by water in the Rio Grande.	Bosque Eco System Monitoring Program	Zoe Wadkins	zwadkinsdaniels@unm.edu

Name	Description	Presenter	Contact Information	
Olla Ole	Students learn the history of collecting water in the ancient southwestern United States using clay pots. They also learn how ollas (clay pots) were used as an irrigation technique for crops and then the students make a mini olla to take home for use.	Sandoval Co. Master Gardeners	Pat Barger	pfbarger@gmail.com
My Water Footprint	A Water Footprint represents how a person uses water to meet their needs (direct uses) and the water that others such as growers manufacturers, processors use (indirect uses) to provide products we purchase and use every day. The activity teaches the importance of water and introduces/explains the terms direct and indirect water use and challenges students to think of ways to conserve water. The students also create a collage that illustrates their water needs by incorporating both direct and indirect water use along with ways to conserve water	OSE	Arianna Gagnon	arianna.gagnon@ose.nm.gov
Recycling Saves Natural Resources	Students learn what is recyclable and what is not. They also learn how recycling can help preserve the watershed.	Waste Management	Anne Spitza	aspitza@wm.com
Pump it Up!	Students learn about the important role aquifers play in supplying water. Logistics of how aquifers work will be discussed and students will get to be their own aquifer on a smaller scale through soap push pumps.	USGS	Lydia Coenen	lcoenen@usgs.gov

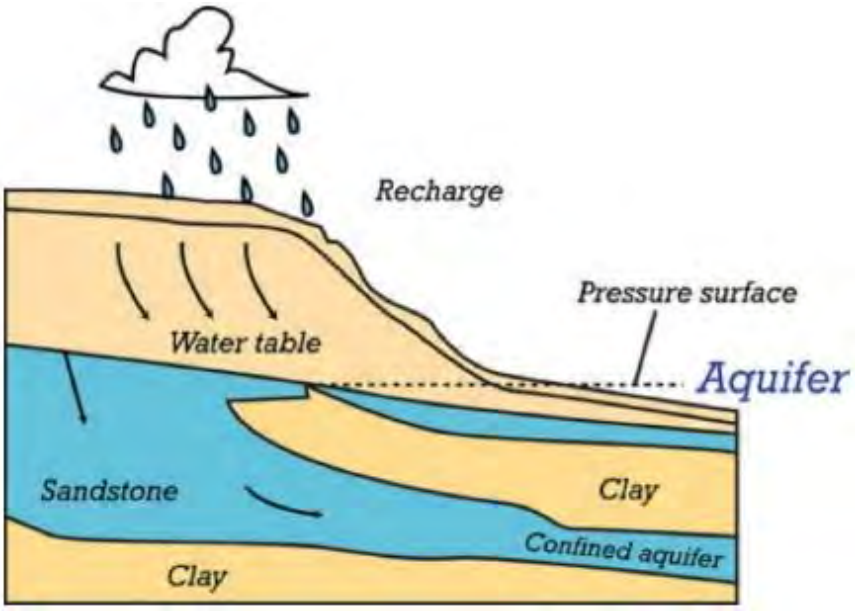
Appendix C

Student Test

The CWF Steering Committee rewrote the student test in 2017; diagrams and pictures were added to help the students visualize the concepts. The use of Google Forms was implemented in 2019. Each question is worth one point with a total of 8 points possible. The test is offered to students before the CWF and again after the CWF. The test scores are then reviewed to see how much students learned. See Appendix D for scores.

1. Many substances and objects can make river water dirty. Which of the following items can make the Rio Grande dirty?
   a) Trash
   b) Dog poop
   c) Leaky cars
   d) All the above

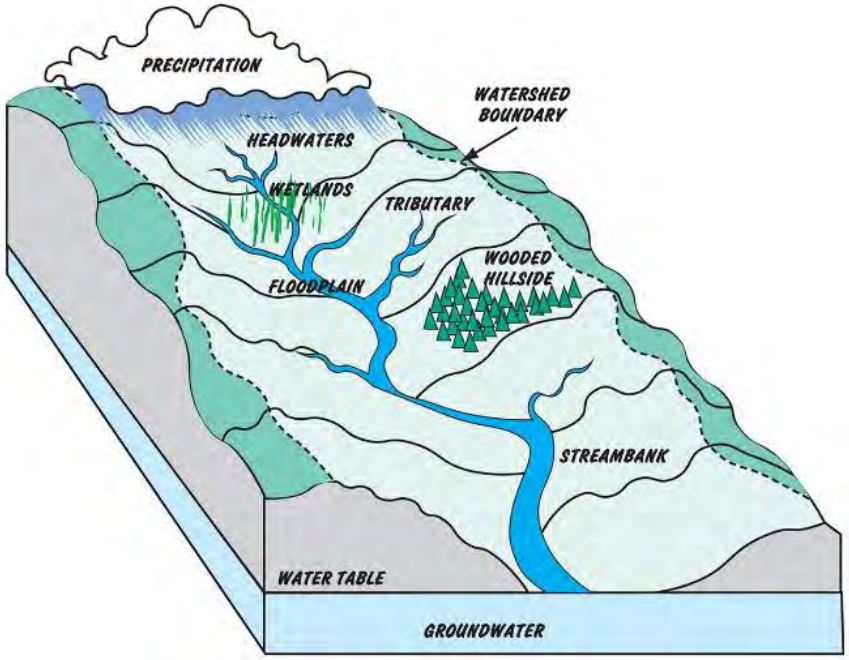
2. An **aquifer** is a layer of water-saturated porous rock. It lies below the water table. Most people who live in New Mexico get drinking water from a well drilled into an aquifer. If you live in Rio Rancho, is the water coming from your faucet from an aquifer?
   a) True
   b) False



3. A **watershed** is an area of land that drains all the streams and rainfall to a common outlet such as the outflow of a reservoir, mouth of a bay, or any point along a stream channel. Is the following statement true or false: We all live in a watershed?

   a) False

   b) True



4. Everyone in Rio Rancho uses, on average, about 65 gallons of water per person per day. If you have four people in your home, what is your family's daily average water use?

   a) 260 gallons of water per day

   b) 200 gallons of water per day

   c) 2,600 gallons of water per day

5. Water users in our state include plants, animals, and people. Why is water so important to life?

   a) People need it to survive

   b) Plants need it to survive

   c) The river needs it to support nature

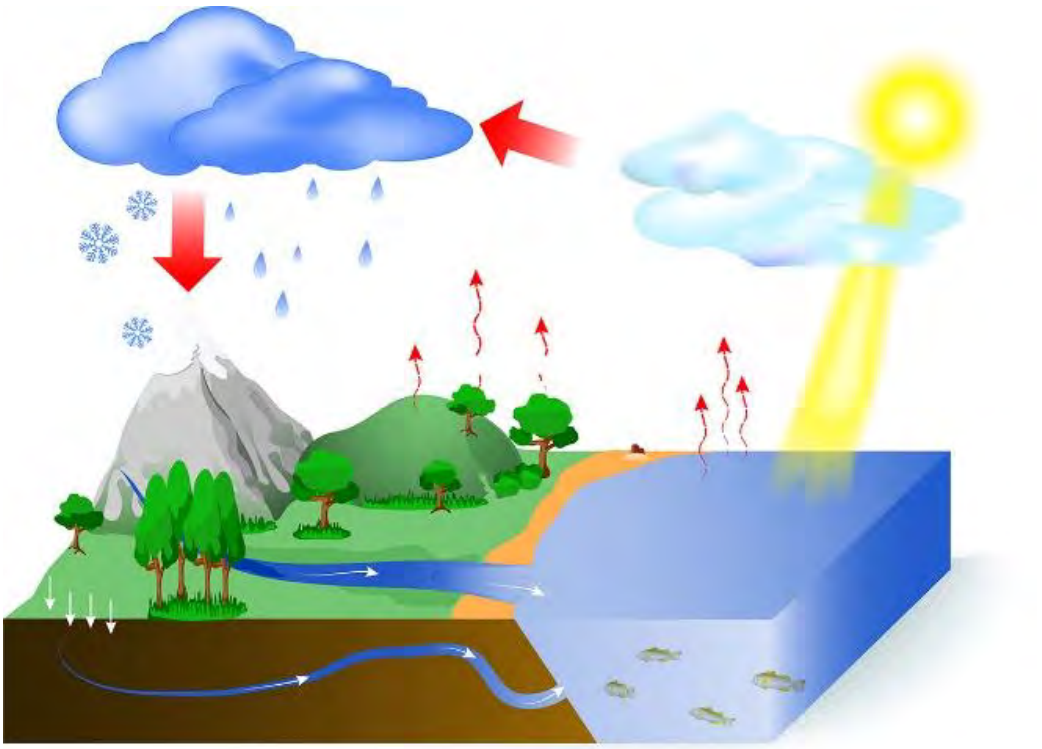
   d) All the above

6. The **water cycle** happens as the earth is warmed by the sun and water circulates between the earth's oceans, atmosphere, and land. Which of the following are terms associated with the water cycle?

   a) Pumping, Treatment, Delivery

   b) Evaporation, Condensation, Precipitation

   c) River, stream, aquifer



7. How can we protect our water?

   a) Litter

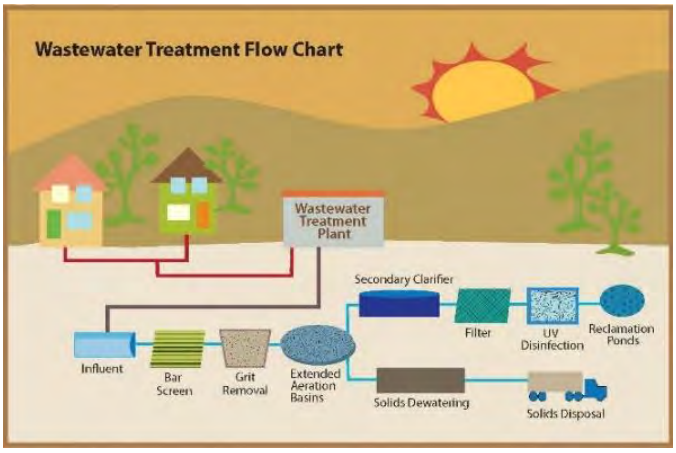
   b) Tell your parents when you see a leak

   c) Pour chemicals on the ground

8. **Wastewater** (or sewer water) is the used water from toilets, showers, and clothes washers and it is too dirty to go straight into the river or into the ground. Septic tanks and wastewater treatment plants clean the water before it goes to the river or into the ground.

   a) True

   b) False



Appendix D

Student Test Scores

Below approximates how much the students' general water knowledge improved after attending the CWF based on the pre and post tests given via Google Forms. The test was optional and not all students participated. Also, there may have been students that only participated in one of the two tests. Puesta Del Sol was not included in the final % improvement calculation since pre-test data was not received. Tests that had multiple schools attended marked were not considered. There were no responses from St. Thomas Aquinas School. Future considerations will be made to ensure that all students have equal access to the pre and post tests.

Pre-Test Responses

School	RRES	JHES	MCES	MLK	PDS	
Question	% of Correct Answers per School					% Average Correct Schools Combined
1	60%	61%	76%	73%	67%	67%
2	70%	71%	72%	81%	77%	74%
3	67%	52%	69%	77%	63%	66%
4	70%	73%	90%	72%	54%	76%
5	73%	73%	79%	74%	62%	75%
6	60%	59%	34%	35%	37%	47%
7	87%	89%	83%	91%	90%	87%
8	77%	68%	72%	74%	73%	73%

Post-Test Responses

School	RRES	JHES	MCES	MLK		
Question	% of Correct Answers per School				% Average Correct Schools Combined	% Improvement
1	60%	72%	78%	76%	72%	**6%**
2	87%	72%	88%	100%	87%	**18%**
3	80%	67%	66%	82%	74%	**12%**
4	80%	63%	85%	94%	81%	**6%**
5	60%	81%	80%	100%	80%	**8%**
6	87%	74%	59%	82%	75%	**60%**
7	100%	95%	88%	100%	96%	**10%**
8	67%	70%	83%	76%	74%	**2%**

Southern Sandoval County Arroyo Flood Control Authority

Mid Rio Grande Stormwater Quality Team

Outcomes Report Fiscal Year July 1, 2024 to June 30, 2025 • Presented by SUNNY505

Events Attended

Pueblo of Isleta Safety Fair – July 2024
South Valley Pride Day – April 2025
Lavender Festival – July 2024
Earth Day Festival – April 2025
City of Rio Rancho Children's Water Festival – October 2024
Doggie Dash and Dawdle – November 2024
Corrales Harvest Festival – September 2024

Paid Advertising Campaign

Ads: **https://public.3.basecamp.com/p/j7KZssCD1ibGiXmeB7pzTjoq/vault**

2025 Annual Report

Reporting Period – July 1, 2024 – June 30, 2025

TABLE OF CONTENTS

- 2025 Annual Report (in suggested EPA format)
- 2025 Facility Operations Listing
- 2025 Sediment Removal quantities from stormwater facilities
- 2025 Annual Report supplement including trash removal volumes by facility and IDDE
- 2025 Annual report supplement showing dog waste removal quantities by facility 2025
- 2025 SSCAFCA Outreach Supplement
- 2025 Arroyo Classroom First Quartile Report
- 2025 Arroyo Classroom Second Quartile Report
- 2025 Arroyo Classroom Third Quartile Report
- 2025 Watershed Stewards Mid-Year Report
- 2025 RiverXchange First Quartile Report
- 2025 RiverXchange Second Quartile Report
- 2025 RiverXchange Third Quartile Report
- 2025 Ciudad Annual Report
- 2024-2025 Stormwater Quality Team Outcomes Report
- 2025 BEMP Annual Report
- Letter to EPA from permittees regarding administrative continuance of this permit
- The memorandum developed on behalf of the Compliance Monitoring Cooperative for discussing the status of compliance monitoring for this permit

Intergovernmental Agreement Regarding the Operation, Function,

and Funding of the Storm Water Team

THIS AGREEMENT is made and entered into this 27th day of August, 2008, by and among the County of Bernalillo ("COUNTY"), the City of Albuquerque ("COA"), the Albuquerque Metropolitan Arroyo Flood Control Authority ("AMAFCA"), the New Mexico Department of Transportation ("NMDOT"), the Southern Sandoval County Arroyo Flood Control Authority ("SSCAFCA"), and the Ciudad Soil and Water Conservation District ("CIUDAD"), all political subdivisions of the State of New Mexico, and the University of New Mexico ("UNM"), a state educational institution, individually referred to as "Party" and collectively referred to as "Parties."

WITNESSETH:

WHEREAS, the National Pollution Discharge Elimination System (NPDES) storm water discharge permits for small and large municipal separate storm sewer systems ("MS-4") include a minimum control measure regarding public outreach and education; and

WHEREAS, this minimum control measure requires each permittee to develop and distribute educational materials to the community or conduct equivalent public outreach activities about the impacts of storm water discharges on receiving water bodies and the actions that the public can take to reduce pollutants in storm water runoff; and

WHEREAS, COA, AMAFCA, NMDOT, and UNM, co-permittees of a MS-4 Phase I permit, and the COUNTY, a permittee of a Phase II permit, entered into a Cooperative Agreement dated October 20, 2005 in order to accomplish said public outreach and education, and the group informally became known as the Storm Water Team; and

WHEREAS, the Storm Water Team hired a Storm Water Quality Education Coordinator ("Coordinator") to help develop a public education campaign and produce public service announcements including print materials for distribution, and that contract expires November 2008; and

WHEREAS, SSCAFCA desires to combine efforts to educate the public on storm water quality as required in their Phase II storm water discharge permit, and to become one of the participating agencies of the Storm Water Team; and

WHEREAS, CIUDAD desires to combine efforts to educate the public on storm water quality as part of their Watershed Restoration Action Strategy, and to become one of the participating agencies of the Storm Water Team; and

WHEREAS, SSCAFCA and CIUDAD both desire to provide funding as part of their membership to the Storm Water Team; and

WHEREAS, each Party has an interest in reducing pollution and/or meeting storm water permit requirements within their respective boundaries, which are shown in Exhibit 1; and

WHEREAS, with new members being added, it is appropriate to enter into this Agreement in order to formalize the Storm Water Team mission and function, and establish future funding streams.

THEREFORE IN CONSIDERATION OF THE PROMISES AND COVENANTS CONTAINED HEREIN, THE PARTIES HERETO AGREE AS FOLLOWS:

1. The Storm Water Team ("Team") will include all members that have signed a Cooperative Funding Agreement, comply with its terms and continue to fund the team. Additional non-voting members will include other agencies, organizations, or individuals that will provide technical assistance needed to allow the Team to accomplish its mission.
2. The Team will serve as the focal point on public education and outreach regarding storm water quality in the Albuquerque Reach of the Rio Grande watershed, which is

the area that drains to the Rio Grande between Algodones and Isleta Pueblo. The Team mission statement is hereby agreed to by the Parties:

The Storm Water Team is a multi-agency committee dedicated to providing public education and awareness regarding storm water pollution and how to reduce debris and other pollutants in the Albuquerque Reach of the Rio Grande and its tributary arroyos.

3. The Team will have an Executive Committee made up of one voting member from each Party in good standing, which is defined as having paid their expected contribution, as described in Section 4. Each Party in good standing will designate a staff member to be on the Executive Committee. Other staff liaisons will be assigned to the Team as necessary to support the Team mission. Other/outside agencies may participate on the Team by attending meetings and giving input; however, only the Executive Committee may vote on Team decisions. The purpose of the Executive Committee will be to administer and direct the Team and Coordinator in accordance with the provisions herein. Decisions of the Executive Committee will be decided by majority vote of the Executive Committee.

4. Each Party agrees to provide payment for Fiscal Year 2009 in the amount shown in the Contribution Schedule, which may include the value of Executive Committee approved in-kind services, in Attachment A. For subsequent Fiscal Years, the Contribution Schedule may be adjusted by the Executive Committee, including the value of in-kind contributions.

5. AMAFCA will be the fiscal agent for the purposes of this Agreement. All funds will be held in a separate bank account for the purposes of this Agreement. AMAFCA shall make available to any interested Party, all records, receipts, and other

documentation with respect to all matters concerning this Agreement, and shall have this account included in its annual audit.

6. Each Party agrees that a Storm Water Quality Education Coordinator will be hired through the Request for Proposal (RFP) process in advance of the expiration of the current Coordinator's contract. The Coordinator shall be a contractor and not an employee of AMAFCA. Responsibilities included in the Storm Water Quality Education Coordination contract will be to develop and manage a comprehensive educational and awareness campaign, arrange all purchases for deliverables and advertising on behalf of the Team, and make presentations to the public as directed. Each Party will have one representative on the Selection Advisory Committee for the request for proposals process. The Selection Advisory Committee will rank proposals and recommend the top three respondents to the AMAFCA Board of Directors. Upon AMAFCA Board of Directors' approval, AMAFCA will negotiate an agreement with the selected consultant. The Executive Committee will provide input on scope and fees; however, final negotiations and approval will be at AMAFCA's sole discretion.

7. The Parties agree that the Storm Water Quality Education Coordination contract is an ongoing program. The effectiveness of the Storm Water Quality Education Coordination contract, with regard to the Team mission statement, will be evaluated prior to annual renewal(s) or request for proposals.

8. AMAFCA will invoice each Party for their respective participation, minus the value of any Executive Committee approved in-kind contributions, in July, at the start of the Fiscal Year. Each Party will pay such invoices to AMAFCA within forty-five

(45) days of the date of the invoice. Invoices will be sent to Team members listed in Attachment B.

9. It is intended that the Team's operation and function described in this Agreement are ongoing, subject to continued support and authorized funding by each of the Parties. Each Party has the option to not participate in this Agreement in the future by sending written notice to all the other participating Parties at or before the expiration of the Fiscal Year. In such event, the terminating Party shall not be entitled to return of any contribution(s) made under this Agreement; and this Agreement shall remain in full force and effect by and among the remaining Parties.

10. The Team may accept one-time contributions from outside funding sources, to be used to support the Team mission. The Executive Committee will consider the requested uses of such one-time contributions and will ensure the uses are consistent with the Team's ongoing public outreach and education program. Such contributions shall not constitute voting privileges on the Executive Committee.

11. The Parties agree that effort will be expended within the respective boundaries of each participating agency, proportional to funding contributions.

12. If any situation arises which adversely affects any Party's participation in this Agreement, said Party will immediately, and in writing, notify the other Parties. Any circumstance that materially affects this Agreement will be promptly and equitably resolved by all Parties and if necessary, an amendment to this Agreement shall be executed.

13. The obligations of each Party under this Agreement shall be performed in compliance with all applicable laws, statutes and ordinances. Nothing herein is intended to

constitute any agreement for the Parties to perform any activity in violation of the Constitution or Laws of the State of New Mexico or the Ordinances of any entity that is a Party to this Agreement.

14. If any clause or provision in this Agreement is illegal, invalid or unenforceable, under present or future laws effective during the term of this Agreement, then and in that event, it is the intention of the parties hereto that the remainder of this Agreement shall not be affected thereby.

15. It is specifically agreed among the Parties that this Agreement does not, and is not intended to, create in the public, or any member thereof, any rights whatsoever, such as but not limited to, the rights of a third Party beneficiary, nor to authorize anyone not a Party to this Agreement to maintain a suit for wrongful death or any other claim whatsoever.

16. As among the Parties, each shall be solely responsible for any and all liability from personal injury, including death, or damage to property, arising from any negligent or intentional act or failure to act of the respective Party, its officials, agents, contractors or employees pursuant to this Agreement. Liabilities of each Party shall be subject to the immunities and limitations of the Tort Claims Act, §§41-4-1, et seq., NMSA, 1978, and any amendments thereto. By entering into this Agreement, the COUNTY and its "public employees" as defined in the New Mexico Tort Claims Act, the COA and its "public employees" as defined in the New Mexico Tort Claims Act, AMAFCA and its "public employees" as defined in the New Mexico Tort Claims Act, NMDOT and its "public employees" as defined in the New Mexico Tort Claims Act, UNM and its "public employees" as defined in the New Mexico Tort Claims

Act, SSCAFCA and its "public employees" as defined in the New Mexico Tort Claims Act, and CIUDAD and its "public employees" as defined in the New Mexico Tort Claims Act, do not waive sovereign immunity, do not waive any defense and/or do not waive any limitation of liability pursuant to law. No provision in this Agreement modifies and/or waives any provision of the New Mexico Tort Claims Act.

17. The effective date of this Agreement shall be the latest date of approval by all of the interested Parties.

18. Upon approval by all Parties, the covenants, terms and conditions of this Agreement shall be binding upon and inure to the benefit of the Parties hereto, their successors and assigns.

IN WITNESS WHEREOF, the undersigned have caused this Agreement to be executed as of the day and year set forth above.

Albuquerque Metropolitan Arroyo Flood Control Authority

Date: March 20, 2008

Danny Hernandez
Chair of the Board of Directors

Attest:

Tim Eichenberg,
Secretary/Treasurer

Date: March 20, 2008

County of Bernalillo

Date: 5/22/08

Thaddeus Lucero, County Manager

Approved As To Form Only:

Deborah Seligman,
Assistant County Attorney

Date: 5/19/2008

Recommended By:

Tom Zdunek
~~XXXXXXXX~~, Deputy County Manager
Public Works Division

Date: 5/21/8

BC CCN 2008-0264

City of Albuquerque

Approved As To Form Only:

City Attorney

Date: 5-12-8

Recommended By:

John Castillo, Director

Date: 5/13/08

Approved By:

Dr. Bruce Perlman, Chief Administrative Officer

Date: 5/16/08

University of New Mexico

Recommended By:

Donna K. Smith
Director, Safety & Risk Services

Date: 4-23-8

Approved As To Form Only:

Richard Mertz
Associate University Counsel

Date: 4/29/08

Approved By:

David W. Harris
Executive Vice President for Administration

Date: 5/1/08

New Mexico Department of Transportation

Approved As To Form Only:

G Chappelle

Office of the General Counsel

Date: 5/22/08

Approved By:

Larry Velasquez, NMDOT District Three Engineer

Date: 8/28/08

Ciudad Soil and Water Conservation District

Date: April 7, 2008

Lauro Silva, Chair

Approved as to Form:

Bernard P. Metzgar
SSCAFCA Attorney

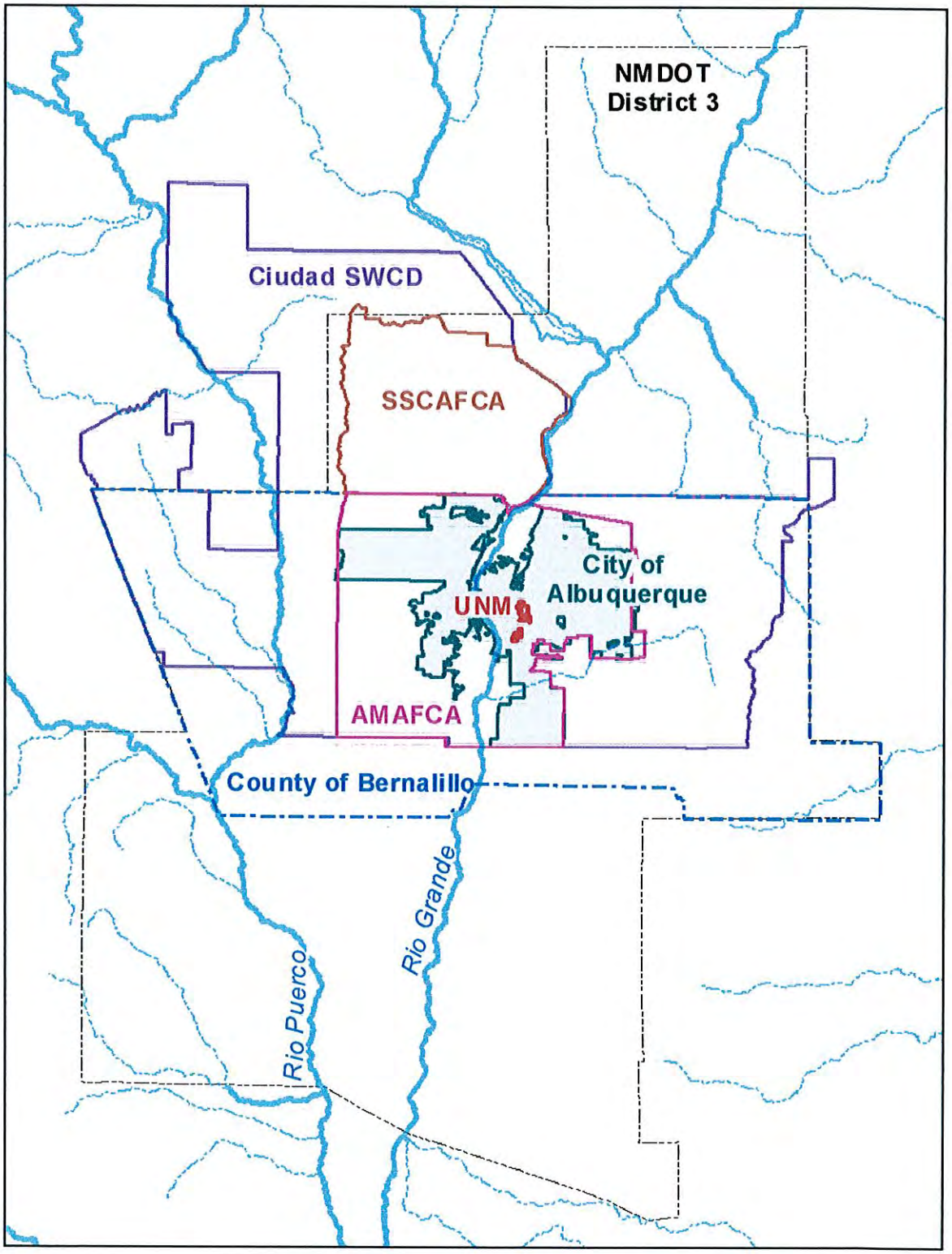
Date: 4/18/08

Southern Sandoval County
Arroyo Flood Control Authority

Date: 5/2/08

John Chaney, Chairman

Exhibit 1
Boundaries of Participating Agencies



Storm Water Team Intergovernmental Agreement – Attachment A

STORM WATER TEAM CONTRIBUTIONS

			Date received by AMAFCA	
FY 05				
	AMAFCA	$10,000	12/01/2004	
	City of Albuquerque	10,000	04/28/2005	
	County of Bernalillo	10,000	12/02/2004	
	UNM	7,000*	07/19/2005	* $5,000 in cash, $2,000 in KNME video
	NMDOT	10,000	05/26/2005	
	Total	**$47,000**		
FY 06				
	AMAFCA	$10,000	12/23/2005	
	City of Albuquerque	10,000	01/23/2006	
	County of Bernalillo	10,000	06/29/2006	
	UNM	7,000	02/02/2006	
	NMDOT	10,000	06/29/2006	
	Total	**$47,000**		
FY 07				
	AMAFCA	$10,000	03/21/2007	
	City of Albuquerque	10,000	06/13/2007	
	County of Bernalillo	10,000	02/11/2008	
	UNM	7,000	05/22/2007	
	NMDOT	10,000	04/02/2008	
	Total	**$47,000**		
FY 08				
	AMAFCA	$10,000	10/03/2007	
	City of Albuquerque	10,000	09/25/2007	
	County of Bernalillo	10,000	03/18/2008	
	UNM	7,000	12/10/2007	
	NMDOT	10,000	04/02/2008	
	Total	**$47,000**		
FY 09 Expected Contributions				
	AMAFCA	$10,000		
	City of Albuquerque	10,000		
	County of Bernalillo	10,000		
	UNM	7,000		
	NMDOT	10,000		
	SSCAFCA	10,000		
	Ciudad	10,000		
	Total	**$67,000**		

Storm Water Team Intergovernmental Agreement – Attachment B

STORM WATER TEAM CONTACT ADDRESSES

Christy Burton
AMAFCA
2600 Prospect Ave NE
Albuquerque, NM 87107

cc Irene Jeffries (same address)
on invoices

Storm Drainage Section
Dept. of Municipal Development
Attn: Kathy Verhage
P.O. Box 1293, Rm. 301
Albuquerque, NM 87103

cc Roland Penttila (same address)
on invoices

Vern Hershberger
Safety & Risk Services
1 University of New Mexico
MSC07 4100
Albuquerque, NM 87131

Send original invoices to:
Accounts Payable
1 University of New Mexico
MSC01 1290
Albuquerque, NM 87131

Carol Moritz, Administrative Manager
Ciudad Soil & Water Conservation District
6200 Jefferson NE, Room 125
Albuquerque, NM 87109

Kathy Trujillo
New Mexico Department of Transportation
District 3
PO Box 91750
Albuquerque, NM 87199-1750

Patricia Dominguez
Bernalillo County
Public Works Division
2400 Broadway Blvd SE
Bldg N
Albuquerque, NM 87102

cc Mary Murnane (same address)
on invoices

David Stoliker
SSCAFCA
1041 Commerical N.E.
Rio Rancho, New Mexico 87124

Middle Rio Grande Stormwater MS4 Technical Advisory Group

MEMORANDUM OF AGREEMENT

A COOPERATIVE AGREEMENT, CREATING THE MIDDLE RIO GRANDE MS4 TECHNICAL ADVISORY GROUP, IN SUPPORT OF COMPLIANCE EFFORTS FOR A STORMWATER DISCHARGE PERMITTING SYSTEM FOR THE MIDDLE RIO GRANDE VALLEY IN ACCORDANCE WITH THE FEDERAL CLEAN WATER ACT.

WHEREAS, the United States Environmental Protection Agency (EPA), Region 6 regulates the discharge of stormwater from municipal separate storm sewer systems (MS4s) in New Mexico through the issuance of an MS4 permit for the Middle Rio Grande valley urbanized area under the authority of the National Pollutant Discharge Elimination System (NPDES) regulations (40CFR122); and

WHEREAS, the Middle Rio Grande area is comprised of many diverse local, state, federal and tribal entities, each with separate and distinct authority and responsibilities; and

WHEREAS, the Middle Rio Grande area entities potentially eligible for authorization under the proposed NPDES General Permit No. NMR04A000 (hereinafter "MS4 Permit"), and therefore are eligible to enter into this Memorandum of Agreement (hereinafter "Agreement") in furtherance of the requirements of the MS4 Permit, are the City of Albuquerque, Albuquerque Metropolitan Arroyo Flood Control Authority (AMAFCA), University of New Mexico, New Mexico Department of Transportation District 3, Bernalillo County, Sandoval County, Village of Corrales, City of Rio Rancho, Los Ranchos de Albuquerque, Kirtland Air Force Base, Town of Bernalillo, State Fairgrounds/Expo New Mexico, the Southern Sandoval County Arroyo Flood Control Authority (SSCAFCA), the Eastern Sandoval County Arroyo Flood Control Authority (ESCAFCA), Sandia National Laboratories/Department of Energy, Pueblo of Sandia, Pueblo of Isleta, and Pueblo of Santa Ana (collectively "Stormwater Management Entities"); and

WHEREAS, the proposed MS4 Permit encourages cooperative efforts among separate local, state, federal and Tribal governments to reduce the amount of pollutants discharged with stormwater from the Middle Rio Grande urbanized area MS4s; and

WHEREAS, continued cooperation among the Stormwater Management Entities in the MS4 Permit offers an enhanced opportunity for each entity to remain aware of the requirements in the MS4 Permit and facilitate compliance with conditions of the permit;

NOW, THEREFORE, BE IT AGREED THAT:

1. The signatories to this Agreement (hereinafter collectively referred to as "Parties" and individually referred to as "Party") support and encourage a cooperative commitment to assist one another with technical issues regarding compliance with the MS4 Permit and agree to form the Middle Rio Grande MS4 Technical Advisory Group (MS4TAG).

2. The purpose of the MS4TAG will be to exchange technical information regarding compliance with the MS4 Permit, exchange ideas among Parties regarding compliance efforts, and exchange information regarding illicit discharges detected within each Party's jurisdiction. The MS4TAG shall have no binding financial authority and shall be strictly advisory in nature.

3. Nothing in this Agreement shall be construed as obligating a Party to this agreement to expend funds for any purpose, and no Party shall be required to contribute any funds in order to participate in this Agreement. In the event the Parties determine that any joint expenditure of funds among multiple Parties becomes necessary in order to comply with the requirements of the MS4 Permit, a separate agreement shall be entered into between the affected Parties regarding any and all such expenditures at that time.

4. The term of this Agreement shall run from the date the MS4 Permit is issued by the EPA until the date the MS4 Permit is terminated or expires, whichever occurs first. This Agreement may be terminated in its entirety at any time upon the mutual agreement of all of the then-existing Parties to this Agreement. In the event any Party wishes to withdraw from this Agreement without terminating the other Parties' interests in this Agreement, withdrawal shall become effective upon ninety (90) days prior written notice to the other Parties. Withdrawal shall fully and completely terminate that Party's interest in and obligations under this Agreement. Following any Party's withdrawal, this Agreement shall continue in full force and effect as to all remaining Parties to the extent possible.

5. This Agreement does not address the "Public Education and Outreach" or "Cooperative Sampling" sections of the MS4 Permit. Any MS4TAG efforts regarding either of these sections of the MS4 Permit under this Agreement shall be strictly in furtherance of the spirit of cooperation intended among the Parties. Each Party acknowledges its obligations under the "Public Education and Outreach" and "Cooperative Sampling" sections of the MS4 Permit are separate and apart from its activities under this Agreement, and a separate agreement will be required for any collaboration among the Parties with respect to those permit requirements.

6. The Parties will appoint two (2) Co-Coordinators from among the Parties, one of which must be from a Party located within the Bernalillo County geographical area and one of which must be from a Party located within the Sandoval County geographical area. Appointment of a Co-Coordinator shall be by majority vote of the voting Parties, with only those Parties located in the county of Bernalillo voting on the Co-Coordinator from that area, and only those Parties located in the county of Sandoval voting on the Co-Coordinator from that area. Co-Coordinators must be appointed annually in each subsequent permit year, or earlier if the position becomes vacant for any reason. For the New Mexico Department of Transportation District 3, which operates stormwater management facilities in both counties, for the purposes of this section, they shall select one county affiliation in year one of the agreement and alternate affiliations is subsequent years of this Agreement. The Co-Coordinators will be expected to coordinate the Parties' efforts under this Agreement, including facilitating meetings of the MS4TAG at least monthly for the first year of the MS4 Permit. In years two through five of the permit, the frequency of meetings may be reduced to quarterly with additional meetings called as necessary to discuss issues regarding MS4 Permit compliance.

7. Each Party shall be entitled to one (1) vote on any action items.

8. This Agreement creates no obligations on behalf of any Party to any other Party to this Agreement, including for any requirements imposed or determinations made by EPA. The Parties acknowledge and agree that each shall at all times remain individually liable for full compliance with the requirements of the MS4 Permit, including EPA's determination regarding the implementation schedule.

9. This Agreement may be modified in writing at any time upon the mutual agreement of the Parties.

10. Parties can be added at any time during the life of this Agreement. A potential future Party's submittal of a signature page to the Co-Coordinators and approval by the Co-Coordinators shall add the Party to the Agreement.

Approved as to Form:

Bernard P. Metzgar
SSCAFCA Attorney

Date: 10/04/13

Southern Sandoval County Arroyo
Flood Control Authority

Date: 10/18/13

Donald Rudy, Chairman

City of Rio Rancho

Approved as to Form:

City Attorney

Date: 10/4/13

Recommended By:

Dolores Wood, Director

Date: 11.4.13

Approved By:

Keith Riesberg, City Manager

Date: 11/1/13

Approved as to Form:

George Perez
Town of Bernalillo Attorney

Date: 10/15/2013

Mayor Jack Torres, Town of Bernalillo

Date: 10/14/13

Attest: _____ Date: 10/14/13
Ida Fierro, Town Clerk

VILLAGE OF CORRALES

By: _____ 10·08·13
Philip Gasteyer, Mayor Date

Attest:

_____ 10-08-2013
Juan Reyes, Village Clerk Date

IN WITNESS WHEREOF, the undersigned have caused this Agreement to be executed.

Albuquerque Metropolitan Arroyo Flood Control Authority

Date: 10/24/2013

Tim Eichenberg
Chair of the Board of Directors

Attest:

Bruce Thomson
Secretary/Treasurer

Date: 10/24/13

VILLAGE OF LOS RANCHOS DE ALBUQUERQUE

Date: November 14, 2013

LARRY P. ABRAHAM
MAYOR

(SEAL)

STEHANIE DOMINGUEZ
VILLAGE CLERK

MIDDLE RIO GRANDE STORMWATER
MS4 TECHNICAL ADVISORY GROUP
FINAL

10-07-13

Accepted on behalf of:

U.S. DEPARTMENT OF ENERGY
NATIONAL NUCLEAR SECURITY ADMINISTRATION
SANDIA FIELD OFFICE

By: _____ 14 NOV 2013
Geoffrey L. Beausoleil — Date
Manager

MIDDLE RIO GRANDE STORMWATER
MS4 TECHNICAL ADVISORY GROUP
FINAL

Approved as to Form:

Bernard P. Metzgar
ESCAFCA Attorney

Date: 11/14/13

Eastern Sandoval County Arroyo Flood Control Authority

Date: NOV. 19, 2013

Salvador Reyes, Chairman

UNIVERSITY OF NEW MEXICO

Approved by:

David W. Harris Date: 12/12/13

David Harris, Executive Vice President

Recommended by:

Carla P. Domenici Date: 12-10-13

Carla P. Domenici, Director
Safety and Risk Services Department

New Mexico Department of Transportation

Approved By:

Tim Parker

Date: 12/12/13

Timothy L. Parker, M.S., P.E.
NMDOT District Three Engineer

Approved As To Form Only:

Date: 12/18/2013

Ken Swain, Assistant General Counsel
Office of the General Counsel

BC CCN 2014-0069

BERNALILLO COUNTY

Motion to: Approve a Memorandum of Agreement (MOA) joining the County with other local entities participating in the Middle Rio Grande MS4 Technical Advisory Group (MS4TAG).

Approved this 28th day of January, 2014

BOARD OF COUNTY COMMISSIONERS

Debbie O'Malley, Chair

Art De La Cruz, Vice Chair

Maggie Hart Stebbins, Member

Lonnie C. Talbert, Member

Wayne A. Johnson, Member

APPROVED AS TO FORM:

County Attorney

Date: 1/28/14

ATTEST:

Maggie Toulouse Oliver, County Clerk

Date: 1/28/14

BERNALILLO COUNTY COUNTY CLERK SEAL STATE OF NEW MEXICO

Approved as to Form:

Patrick F.Trujillo
Sandoval County Attorney

Date: 1/27/2014

Sandoval County

Date: 2/6/2014

Phillip Rios, County Manager

MIDDLE RIO GRANDE STORMWATER
MS4 TECHNICAL ADVISORY GROUP
FINAL

10-07-13

Approved as to Form:

David Tourek
City Attorney

Date: 2/24/14

Recommended By:

Michael J. Riordan, P.E.
Director, Department of Municipal Development

Date: 2/26/14

Approved By:

Robert J. Perry
Chief Administrative Officer

Date: 3/4/14

MIDDLE RIO GRANDE STORMWATER
MS4 TECHNICAL ADVISORY GROUP
FINAL

Memorandum of Agreement accepted on behalf of:

UNITED STATES AIR FORCE
KIRTLAND AIR FORCE BASE

By _____ Date 28 Dec 15

ERIC H. FROEHLICH, COLONEL,
USAF INSTALLATION COMMANDER

Middle Rio Grande Stormwater MS4 Compliance Monitoring Cooperative

INTERGOVERNMENTAL AGREEMENT

AN INTERGOVERNMENTAL AGREEMENT, CREATING THE MIDDLE RIO GRANDE MS4 COMPLIANCE MONITORING COOPERATIVE, IN SUPPORT OF COMPLIANCE EFFORTS FOR A STORMWATER DISCHARGE PERMITTING SYSTEM FOR THE MIDDLE RIO GRANDE VALLEY IN ACCORDANCE WITH THE FEDERAL CLEAN WATER ACT.

RECITALS

WHEREAS, the United States Environmental Protection Agency (EPA), Region 6 regulates the discharge of stormwater from municipal separate storm sewer systems (MS4s) in central New Mexico through the issuance of an MS4 permit for the Middle Rio Grande valley urbanized area, under the authority of the National Pollutant Discharge Elimination System (NPDES) regulations (40CFR122); and

WHEREAS, the Middle Rio Grande valley urbanized area is comprised of many diverse local, state, federal and tribal entities, each with separate and distinct authority and responsibilities; and

WHEREAS, the Middle Rio Grande valley urbanized area entities that are eligible for authorization under NPDES General Permit No. NMR04A000 (hereinafter "MS4 Permit"), and therefore eligible to enter into this Intergovernmental Agreement (hereinafter "Agreement") in furtherance of the requirements of the MS4 Permit, are the City of Albuquerque, Albuquerque Metropolitan Arroyo Flood Control Authority (AMAFCA), University of New Mexico, New Mexico Department of Transportation District 3, Bernalillo County, Sandoval County, Village of Corrales, City of Rio Rancho, Village of Los Ranchos de Albuquerque, Kirtland Air Force Base, Town of Bernalillo, State Fairgrounds/Expo New Mexico, Southern Sandoval County Arroyo Flood Control Authority (SSCAFCA), Eastern Sandoval County Arroyo Flood Control Authority (ESCAFCA), Sandia National Laboratories/Department of Energy, Pueblo of Sandia, Pueblo of Isleta, and Pueblo of Santa Ana (collectively "Co-permittees"); and

WHEREAS, the proposed MS4 Permit requires each Co-permittee to obtain and report stormwater compliance monitoring results in their MS4 Annual Report; and

WHEREAS, the proposed MS4 Permit encourages cooperative efforts among the Co-permittees, including compliance monitoring activities, to reduce the amount of pollutants discharged with stormwater into the Rio Grande; and

WHEREAS, cooperation among the Co-permittees in the MS4 Permit through the Middle Rio Grande Compliance Monitoring Cooperative ("CMC"), with regard to monitoring requirements, offers the opportunity to reduce each individual Co-permittee's monitoring costs by cooperatively developing, funding, and executing a common monitoring plan without reducing the effectiveness of the monitoring plan.

a Members cash contribution, provided however, that participation in the CMC shall not be considered in-kind contributions. The value of in-kind contributions will be determined by the membership of the CMC by equating the value of the service to the cost that would be paid by the membership of the CMC to have the in-kind service performed by a third party (non-CMC member) contractor. The Contribution Schedule is located in Attachment 1 to this Agreement. This Contribution Schedule may be modified by the CMC annually without requiring modification to this agreement, provided however, that it shall be adopted by unanimous vote of the Members. Any funds remaining at the end of the Agreement Year will be carried into the next Calendar Year of this agreement. In such event, the CMC may either elect to retain the excess funds from the prior Calendar Year as a contingency fund, or may lower the annual contribution schedules for that year for all Members in equal proportion, based on the total amount carried forward. In the event a Member does not have the resources to provide full payment for any funds required by the Contribution Schedule, the remaining Members may agree, by unanimous vote, amend the Contribution Schedule if it is in the best interest of the CMC. Each Member's obligations under this Agreement are contingent upon sufficient appropriations being made therefor by such Member's governing body sufficient to fulfill such Member's said obligations. If such appropriations are insufficient to such Member's obligations hereunder, such Member's shall promptly notify the other Members, and this Agreement shall terminate forthwith with respect to such Member.

7. **FISCAL AGENT**. The Members shall select one (1) Co-permittee to act as Fiscal Agent for the CMC for the purposes of this Agreement. The Fiscal Agent shall act as the custodian of the CMC's funds, securities, and property. All funds will be held in a separate bank account for the purposes of this Agreement. All CMC funds shall be deposited promptly by the Fiscal Agent to the credit of the CMC. The CMC shall adhere to the Fiscal Agent's accounting and procurement procedures, provided such procedures comply with law. The Fiscal Agent shall make available to any interested Member, all records, receipts, and other documentation with respect to all matters concerning this agreement and shall have this account included in its annual audit. The Fiscal Agent shall maintain funds in accordance with all applicable state and Federal statutes. The Fiscal Agent shall be authorized on the CMC's behalf to sign checks, drafts, or other instruments for payment of money, acceptances, notes, or other evidences of indebtedness, to enter into contracts, or to execute and deliver other documents and instruments. This authority to enter into any contract or negotiated agreement shall be subject to approval by the CMC and subject to any limitations as set forth in this Agreement. Subject to the provisions of this Agreement, no loans shall be contracted on behalf of the CMC and no evidence of indebtedness shall be issued in its name unless authorized by a unanimous vote of the CMC Members. In consideration of the in-kind contributions anticipated from the Fiscal Agent, the total financial contribution requirements of the Fiscal Agent's Member agency, under any applicable agreement, shall be credited by the sum of one thousand dollars ($1,000.00) for the term of the permit in which that Member serves as the Fiscal Agent.

8. **PAYMENTS.** The Fiscal Agent will invoice each Member for their respective participation, minus the values of any CMC approved in-kind contributions at the start of each member entity's Fiscal Year. Each Member will pay such invoices to the Fiscal Agent within

standing of the CMC, contracts may be used, with concurrence from all Members of the CMC, that have been issued by Members to perform elements of the monitoring program. If a contractor is used that has been procured by a Member in good standing of the CMC instead of the Fiscal Agent, then, with concurrence of the other Members of the CMC, an entity that is not the Fiscal Agent for the CMC may contract to have the services performed and upon successful completion of the services, submit an invoice, with no mark-up, to the Fiscal Agent for reimbursement. Reimbursement shall only be authorized for reasonable and necessary costs. All contractor's utilized for the purposes identified in this Agreement shall be procured in accordance with the State Procurement Code. Contractors will be agents of the Member issuing the contract. Other Members of the CMC shall not be bound by the terms of the contract.

13. **EVALUATION.** The Members agree that the Stormwater Monitoring contract is an ongoing program. The effectiveness of the Stormwater Monitoring contract, with regard to permit compliance, will be evaluated by the CMC prior to annual renewal(s) or request for proposals.

14. **LIMITATION ON SAMPLING ACTIVITIES.** The contractor's scope of services will be limited to the CMC-developed and EPA approved sampling plan and associated reporting. If, in the event of an exceedence during routine monitoring events, additional investigation is required by the EPA to identify the source of a potential contaminant, the CMC may expand monitoring activities to the degree necessary to locate the likely entry point of the potential contaminants. Once the likely entry point is identified, further investigation into the source of the potential contaminant will become the responsibility of the specific Co-permittee(s) having jurisdiction at the location where the likely entry occurred. The CMC shall have no responsibility, fiscal or otherwise, to investigate potential sources of contamination outside of the river or its affiliated Middle Rio Grande Conservancy District-owned water conveyances.

15. **PARTICIPATION AFFECTED.** If any situation arises which adversely affects any Member's participation in this Agreement, said Member will immediately, and in writing, notify the other Members. Any circumstance that materially affects this Agreement will be promptly and equitably resolved by all Members and if necessary, an amendment to this Agreement shall be executed.

16. **COMPLIANCE WITH GOVERNING LAWS.** The obligations of each Member under this Agreement shall be performed in compliance with all applicable laws, statues, and ordinances. Nothing herein is intended to constitute any agreement for the Members to perform any activity in violation of the Constitution or Laws of the State of New Mexico or the Ordinances of any Co-permittee that is a Member of this Agreement.

17. **SEVERABILITY.** If any clause or provision of this Agreement is illegal, invalid or unenforceable, under present or future laws effective during the term of this Agreement, then and in that event, it is the intention of the Members hereto that the remainder of this Agreement shall not be affected thereby.

EACH ENTITY WILL EXECUTE AGREEMENT INDIVIDUALLY. SIGNATURE PAGES WILL BE CONSOLIDATED INTO SINGLE DOCUMENT

Albuquerque Metropolitan Arroyo Flood Control Authority

Bruce M. Thomson, Chair
Board of Directors

6/23/2016
Date

Attest:

Ronald D. Brown, Secretary-Treasurer
Board of Directors

Approved as to Form:

Randy Autio
AMAFCA Attorney

Date: 6/23/16

City of Rio Rancho

Keith Riesberg
City Manager

5/27/16
Date

Approved as to Form:

Jennifer Vega-Brown
City Attorney

Date: 5/26/16

Date for of beginning of Fiscal Year: July 1

EACH ENTITY WILL EXECUTE AGREEMENT INDIVIDUALLY. SIGNATURE PAGES WILL BE CONSOLIDATED INTO SINGLE DOCUMENT

City of Albuquerque

Approved as to Form

Jessica M. Hernandez
City Attorney

6/15/16
Date

Purchasing Approval
:

Ramona Martinez
Chief Procurement Officer

6/16/16
Date

Recommended By:

Melissa Lozoya
Director, Department of Municipal Development

6/16/16
Date

Approved By

Robert J. Perry
Chief Administrative Officer

6/17/16
Date

Date for of beginning of Fiscal Year: July 1

ATTACHMENT 1

CONTRIBUTION SCHEDULE

CCN 2016-0407

County of Bernalillo:

APPROVED BY:

6-28-16
Julie M. Baca Date
Bernalillo County Manager

RECOMMENDED BY:

6/27/16
Roger A. Paul, P.E. Date
Deputy County Manager for Public Works

APPROVED AS TO FORM ONLY:

4-24-2016
for Deputy County Attorney Date

EACH ENTITY WILL EXECUTE AGREEMENT INDIVIDUALLY. SIGNATURE PAGES WILL BE CONSOLIDATED INTO SINGLE DOCUMENT

Village of Los Ranchos de Albuquerque

Kelly S. Ward 6/21/16

Kelly Ward Date
Administrator

Village of Corrales

Scott A. Kominiak, Mayor

5/26/16
Date

Jennifer A. Rise, Village Clerk

Approved as to Form:

John L. Appel
Coppler Law Firm P.C.
Village of Corrales Attorney

5/26/16
Date

Date for beginning of Fiscal Year: July 1

EACH ENTITY WILL EXECUTE AGREEMENT INDIVIDUALLY. SIGNATURE PAGES WILL BE CONSOLIDATED INTO SINGLE DOCUMENT

Town of Bernalillo

Jack Torres, Mayor
Board of Directors

5/23/2016
Date

Attest:

Ida Fierro, Town Clerk

Date for of beginning of Fiscal Year: July 1

EACH ENTITY WILL EXECUTE AGREEMENT INDIVIDUALLY. SIGNATURE PAGES WILL BE CONSOLIDATED INTO SINGLE DOCUMENT

Southern Sandoval County Arroyo Flood Control Authority

James Fahey, M.D., Chair
Board of Directors

5/20/16
Date

Approved as to Form:

Bernard Metzgar
SSCAFCA Attorney

Date: 5/20/16

Date for of beginning of Fiscal Year: July 1

EACH ENTITY WILL EXECUTE AGREEMENT INDIVIDUALLY. SIGNATURE PAGES WILL BE CONSOLIDATED INTO SINGLE DOCUMENT

Sandoval County, New Mexico
Flood Control Authority

Phillip Rios
County Manager

5/16/2016
Date

Approved as to Form:

Patrick Trujillo
Sandoval County Attorney

Date: 5/16/2016

Date for of beginning of Fiscal Year: July 1

EACH ENTITY WILL EXECUTE AGREEMENT INDIVIDUALLY. SIGNATURE PAGES WILL BE CONSOLIDATED INTO SINGLE DOCUMENT

New Mexico Department of Transportation - District 3

Approved as to Form:

Elizabeth J. Jarvis
Office of the General Counsel

6·29·2016
Date

Approved By:

Kenneth Murphy
Kenneth Murphy, NMDOT District Three Engineer

7/7/16
Date

Date for of beginning of Fiscal Year: July 1

EACH ENTITY WILL EXECUTE AGREEMENT INDIVIDUALLY. SIGNATURE PAGES WILL BE CONSOLIDATED INTO SINGLE DOCUMENT

University of New Mexico

for Elizabeth Metzger, Univ. Controller 7-19-16
David W. Harris Date
Executive Vice President for Administration, COO & CFO

Approved:

Carla P. Domenici 7-14-16
Carla P. Domenici Date
Director, Safety and Risk Services

Approved as to Form:

for 7/15/2016
Elsa K. Cole, Esq. Date
University Counsel

Date for of beginning of Fiscal Year: July 1

ATTACHMENT 1

CONTRIBUTION SCHEDULE

EACH ENTITY WILL EXECUTE AGREEMENT INDIVIDUALLY. SIGNATURE PAGES WILL BE CONSOLIDATED INTO SINGLE DOCUMENT

Eastern Sandoval County Arroyo Flood Control Authority

Sal Reyes, Chair
Board of Directors

Date May 25 2016

Attest:

Ida Fierro, Secretary
Board of Directors

Approved as to Form:

Bernie Metzgar
ESCAFCA Attorney

Date: _____

ATTACHMENT 1

Sampling Cooperative Cost Allocation Determination (CAD) Tool

28-Apr-16

Number	Participant			$ 132,000.00	ENTITY PAYMENT	FISCAL AGENT CREDIT ($1k)
1	City of Albuquerque		1.38	$ 45,574.50	$45,600.00	
2	AMAFCA		0.43	$ 14,319.39	$14,400.00	$ (1,000.00)
3	UNM		0.41	$ 13,553.53	$13,600.00	
4	NMDOT		0.12	$ 3,865.56	$3,900.00	
5	Bernalillo County		0.59	$ 19,549.95	$19,600.00	
6	Sandoval County		0.46	$ 15,094.20	$15,100.00	
7	Village of Corrales		0.04	$ 1,393.20	$1,400.00	
8	City of Rio Rancho		0.42	$ 13,997.46	$14,000.00	
9	Los Ranchos de Albuquerque		0.02	$ 705.79	$1,000.00	
10	Town of Bernalillo		0.03	$ 903.81	$1,000.00	
11	ESCAFCA		0.01	$ 338.88	$500.00	
12	SSCAFCA		0.08	$ 2,703.72	$2,900.00	
	Ratio Check (Sum = Weighting Factor)		4.00		$132,000.00	

SSCAFCA Facility listing and tasks completed 2024- 2025

Facility ID	Watershed	Faclity Name	Sediment Removal on Earthen Structures	Sediment Removal on Concrete Structures	Erosion Repair and Control	Structural/Concrete Repairs	Vegetation Removal/ Management	Manual Trash Removal	Vactor Cleaning	Access Control	Slide Gate Servicing	Water Monitoring	WQ Structure Cleaning	Bank Restoration
BL_F0002	Black Arroyo	Sunset Channel												
BL_F0003	Black Arroyo	Gateway Pond												
BL_F0004	Black Arroyo	Tract 17 Pond												
BL_F0006	Black Arroyo	Sugar Channel												
BL_F0008	Black Arroyo	East Branch Cabezon Channel												
BL_F0013	Black Arroyo	Sunset Pond & Aldaba Storm Drain												
BL_F0014	Black Arroyo	Ivory Channel												
BL_F0015	Black Arroyo	Stallion Channel (powerline easement to Western Hills)												
BL_F0016	Black Arroyo	Stallion Channel (Western Hills to Nicklaus)												
BL_F0020	Black Arroyo	West Nicklaus Channel (Bogie to Lema)												
BL_F0021	Black Arroyo	West Nicklaus Channel (Lema to Fairway)												
BL_F0022	Black Arroyo	West Nicklaus Channel (Fairway to Casper)												
BL_F0025	Black Arroyo	Lisbon Pond												
BL_F0026	Black Arroyo	Montego court												

Highligted = activity completed this reporting year

SSCAFCA Facility listing and tasks completed 2024- 2025

Facility ID	Watershed	Faclity Name	Sediment Removal on Earthen Structures	Sediment Removal on Concrete Structures	Erosion Repair and Control	Structural/Concrete Repairs	Vegetation Removal/ Management	Manual Trash Removal	Vactor Cleaning	Access Control	Slide Gate Servicing	Water Monitoring	WQ Structure Cleaning	Bank Restoration
BL_F0028	Black Arroyo	West Branch Cabezon Channel												
BL_F0029	Black Arroyo	Arkansas Channel												
BL_F0030	Black Arroyo	Rodeo Channel												
BL_F0031	Black Arroyo	Pecos Channel												
BL_F0032	Black Arroyo	Baltic Channel												
BL_F0033	Black Arroyo	Bali Channel												
BL_F0034	Black Arroyo	Spur Channel												
BL_F0035	Black Arroyo	Lisbon Channel (Tulip to Tarpon)												
BL_F0036	Black Arroyo	Lisbon Channel (Tarpon to Southern)												
BL_F0037	Black Arroyo	Lisbon Channel (Southern to Black Arroyo Trail Bridge)												
BL_F0038	Black Arroyo	Black Arroyo Wildlife Park												
BL_F0050	Black Arroyo	Lema Channel												
CA_F0005	Callabacillas	Nopal Pond												
CA_F0007	Callabacillas	Los Diamantes Pond												

Highligted = activity completed this reporting year

SSCAFCA Facility listing and tasks completed 2024- 2025

Facility ID	Watershed	Faclity Name	Sediment Removal on Earthen Structures	Sediment Removal on Concrete Structures	Erosion Repair and Control	Structural/Concrete Repairs	Vegetation Removal/ Management	Manual Trash Removal	Vactor Cleaning	Access Control	Slide Gate Servicing	Water Monitoring	WQ Structure Cleaning	Bank Restoration
CA_F0013	Callabacillas	Cholla Pond												
CO_F0003	Coronado	Bosque de Bernalillo phase 2												
CW_F0009	Corrales	Lower Tree Farm Pond												
CW_F0010	Corrales	Upper Tree Farm Pond												
CW_F0012	Corrales	Upper Urban Pond												
CW_F0013	Corrales	Lower Urban Pond												
MO_F0002	Montoyas	Sportsplex Dam												
MO_F0010	Montoyas	Lomitas Negras Phase 2												
MO_F0013	Montoyas	4-1 trail inlets												
MO_F0021	Montoyas	Lower MO water quality facility												
MO_F0029	Montoyas	Lower MO Water Quality Facility to NM 528												
MO_F0030	Montoyas	Montoyas arroyo 528 - sportsplex												
MO_F0035	Montoyas	Montoyas arroyo Rainbow to King												
MO_F0040	Montoyas	Harvey Jones Channel Inlet to Corrales Rd												

Highligted = activity completed this reporting year

SSCAFCA Facility listing and tasks completed 2024- 2025

Facility ID	Watershed	Faclity Name	Sediment Removal on Earthen Structures	Sediment Removal on Concrete Structures	Erosion Repair and Control	Structural/Concrete Repairs	Vegetation Removal/ Management	Manual Trash Removal	Vactor Cleaning	Access Control	Slide Gate Servicing	Water Monitoring	WQ Structure Cleaning	Bank Restoration
MO_F0041	Montoyas	Sierra Norte Channel North Hills												
MO_F0042	Montoyas	Acadia Court Pond												
MO_F0043	Montoyas	Loma Pinon Loop Pond												
MO_F0045	Montoyas	Sundt Pond												
MO_F0046	Montoyas	Pam's Pond												
MO_F0047	Montoyas	Pond 116												
MO_F0048	Montoyas	Cielo Norte Pond and Outfall Michelle Dr Pond												
MO_F0049	Montoyas	Wilpett Pond 1 Northern Meadows												
MO_F0050	Montoyas	Wilpett Pond 2 Northern Meadows												
MO_F0051	Montoyas	Wilpett Pond 3 Northern Meadows												
MO_F0052	Montoyas	Wilpett Pond 4 Northern Meadows												
MO_F0053	Montoyas	Wilpett Pond 5 Northern Meadows												
MO_F0054	Montoyas	Wilpett Pond 6 Northern Meadows												
MO_F0055	Montoyas	Clear Creek Pond Northern Meadows												

Highligted = activity completed this reporting year

SSCAFCA Facility listing and tasks completed 2024- 2025

Facility ID	Watershed	Faclity Name	Sediment Removal on Earthen Structures	Sediment Removal on Concrete Structures	Erosion Repair and Control	Structural/Concrete Repairs	Vegetation Removal/ Management	Manual Trash Removal	Vactor Cleaning	Access Control	Slide Gate Servicing	Water Monitoring	WQ Structure Cleaning	Bank Restoration
MO_F0056	Montoyas	Desert Willow Pond Northern Meadows												
MO_F0057	Montoyas	Flat Iron Pond Northern Meadows												
MO_F0058	Montoyas	Havasua Falls Pond Northern Meadows												
MO_F0059	Montoyas	James Road Pond Northern Meadows												
MO_F0060	Montoyas	Sunny Meadows Pond												
MO_F0062	Montoyas	King Blvd Pond Northern Meadows												
MO_F0064	Montoyas	Tin Cup Pond												
MO_F0065	Montoyas	Paseo Vista Pond												
MO_F0067	Montoyas	Ocotillo Hills West Pond												
MO_F0068	Montoyas	Sierra Norte Park												
MO_F0069	Montoyas	4 to 1 Pipeline												
MO_F0070	Montoyas	Obregon Pond												
MO_F0071	Montoyas	Walter Road Pond												
MO_F0072	Montoyas	26th Ave Pond												

Highligted = activity completed this reporting year

SSCAFCA Facility listing and tasks completed 2024- 2025

Facility ID	Watershed	Faclity Name	Sediment Removal on Earthen Structures	Sediment Removal on Concrete Structures	Erosion Repair and Control	Structural/Concrete Repairs	Vegetation Removal/ Management	Manual Trash Removal	Vactor Cleaning	Access Control	Slide Gate Servicing	Water Monitoring	WQ Structure Cleaning	Bank Restoration
MO_F0073	Montoyas	25th Ave Pond												
MO_F0074	Montoyas	Inca Pond												
MO_F0075	Montoyas	Serene Pond												
MO_F0078	Montoyas	Tierra De Corrales Pond												
MO_F0079	Montoyas	Copperton Pond												
MO_F0080	Montoyas	Angel Pond												
MO_F0081	Montoyas	Jade Pond												
NM_F0003	NM 528	Roskos Field Pond												
RA_F0001	Rainbow	Rainbow Pond												
RA_F0002	Rainbow	Rainbow Channel (Vancouver to Pecos Loop)												
VE_F0010	Venada	Enchanted Hills Dam												
VE_F0012	Venada	Lower Venada Arroyo NM528 to Rio Grande												
VE_F0018	Venada	Mariposa Pond #1 and channel												
VE_F0020	Venada	Mariposa Pond #3 and channel												

Highligted = activity completed this reporting year

SSCAFCA Facility listing and tasks completed 2024- 2025

Facility ID	Watershed	Faclity Name	Sediment Removal on Earthen Structures	Sediment Removal on Concrete Structures	Erosion Repair and Control	Structural/Concrete Repairs	Vegetation Removal/ Management	Manual Trash Removal	Vactor Cleaning	Access Control	Slide Gate Servicing	Water Monitoring	WQ Structure Cleaning	Bank Restoration
VE_F0021	Venada	Mariposa Pond #4 and channel												
VE_F0022	Venada	Mariposa Pond #5 and channel												
VE_F0023	Venada	Mariposa Pond #6 and channel												
VE_F0024	Venada	Encantado Channel North												
VE_F0025	Venada	Chayote Pond												
VE_F0026	Venada	Santa Fe Hills Pond												
VE_F0027	Venada	Sprint Pond												
BL_F0019		Harleys Pond												

Highligted = activity completed this reporting year

2024-2025 SSCAFCA Sediment Removal (CY)

Facility ID	Watershed	Faclity Name	Sediment Removed (2025)
BL_F0015	Black	Stallion Channel	560
BL_F0035	Black	Lisbon Channel (Tulip to Tarpon)	1600
BL_F0050	Black	Lema Channel	10
CW_F0010	Corrales	Upper Tree Farm Pond	30
MO_F0013	Montoyas	4-1 trail inlets	5
MO_F0046	Montoyas	Pam's Pond	420
MO_F0053	Montoyas	Wilpett Pond 5 Northern Meadows	20
MO_F0054	Montoyas	Wilpett Pond 6 Northern Meadows	20
MO_F0068	Montoyas	Sierra Norte park	385
MO_F0074	Montoyas	Inca Pond	25
MO_F0078	Montoyas	Tierra De Corrales Pond	30
NM_F0003	NM 528	Roskos Field Pond	21
VE_F0021	Venada	Mariposa Pond #4 and channel	1000
		Total CY removed	4126

Trash and IDDE removal report:

During the 2025 reporting year, a total of 388 thirty-gallon bags of trash were removed from SSCAFCA-owned and operated facilities. This amount represents a decrease compared to previous years, primarily due to a limited monsoon season that produced less runoff to SSCAFCA facilities and a reduction in trash and debris associated with homeless encampments within the arroyos.

Facility ID	Faclity Name	Estimated Bags Removed (30 Gallon)
BL_F0035	Lisbon Channel (Tulip to Tarpon)	72
BL_F0004	Tract 17 Pond	5
BL_F0014	Ivory Channel	72
BL_F0021	West Nicklaus Channel (Lema to Fairway)	72
BL_F0022	West Nicklaus Channel (Fairway to Casper)	15
BL_F0035	Lisbon Channel (Tulip to Tarpon)	7
CA_F0010	Calabacillas Arroyo	12
MO_F0010	Lomitas Negras Phase 2	3
MO_F0055	Clear Creek Pond Northern Meadows	1
NM_F0003	Roskos Field Pond	7
RA_F0002	Rainbow Channel (Vancouver to Pecos Loop)	15
VE_F0010	Enchanted Hills Dam	72
VE_F0012	Lower Venada Arroyo NM528 to Rio Grande	35
	Total	**388**

[1] Trash removed by trailer load - 72 bags/trailer

[2] Matress and Box springs -12 bags for queen size box or mattress

[3] Misc. Household items - furniture, toys

SSCAFCA 2024-2025 Dog Waste Removals (LBS)

Date	TFP A	Sportplex	Lisbon	Black Arroyo Trail	Stallion Channel East	Stallion Channel West
7/3/2024	6	9	2	7	0	0
7/10/2024	6	4	1	3	0	0
7/17/2024	5	4	1	3	0	0
7/24/2024	8	9	2	7	25	30
7/31/2024	6	7	2	5	6	4
8/7/2024	5	6	2	8	6	4
8/14/2024	6	8	1	7	5	4
8/21/2024	6	9	2	5	4	4
8/28/2024	8	9	2	5	5	3
9/4/2024	8	10	2	6	4	3
9/11/2024	6	5	2	5	3	4
9/25/2024	7	6	1	5	3	6
10/2/2024	7	8	1	6	4	5
10/9/2024	9	10	2	4	7	8
10/16/2024	8	7	1	5	5	7
10/23/2024	10	8	2	5	8	9
10/30/2024	4	5	1	4	5	6
11/6/2024	10	5	1	4	6	8
11/13/2024	9	7	2	6	4	6
11/20/2024	4	6	2	3	3	4
11/27/2024	8	9	2	5	4	5
12/4/2024	9	7	3	5	3	5
12/11/2024	10	4	2	5	3	5
12/18/2024	8	7	1	6	3	4
12/23/2024	6	5	1	5	3	3
1/2/2025	13	8	2	6	4	4
1/8/2025	8	6	2	5	3	4
1/15/2025	8	4	1	5	6	7
1/22/2025	5	12	2	4	5	6
1/29/2025	10	9	4	5	5	6
2/5/2025	10	8	2	5	3	4
2/12/2025	8	10	1	6	10	12
2/20/2025	8	10	2	7	5	6
2/26/2025	10	8	1	7	8	6
3/5/2025	6	14	1	6	5	4
3/13/2025	10	13	2	8	7	8
3/19/2025	10	5	2	6	4	5
3/26/2025	6	8	2	9	6	7
4/2/2025	6	5	3	7	5	6
4/9/2025	7	12	2	8	7	7

4/16/2025	5	9	2	7	6	5
4/23/2025	10	11	2	8	8	8
4/30/2025	6	8	2	7	6	5
5/7/2025	10	8	2	6	8	9
5/13/2025	5	7	2	6	5	5
5/21/2025	7	9	2	7	8	9
5/28/2025	5	8	2	7	5	4
6/4/2025	8	7	2	5	7	9
6/11/2025	7	8	2	8	4	7
6/18/2025	7	8	2	6	5	7
6/25/2025	5	7	1	4	4	5
Totals	**379**	**396**	**775**	**294**	**268**	**562**
Total Removed all Channels						**2674**

2024 2025 SSCAFCA Outreach

Pollinator/Demonstration Garden at SSCAFCA






Tree Planting at SSCAFCA





semg
Sandoval Extension Master Gardeners

NM STATE

SSCAFCA 1990 2025 35 Years



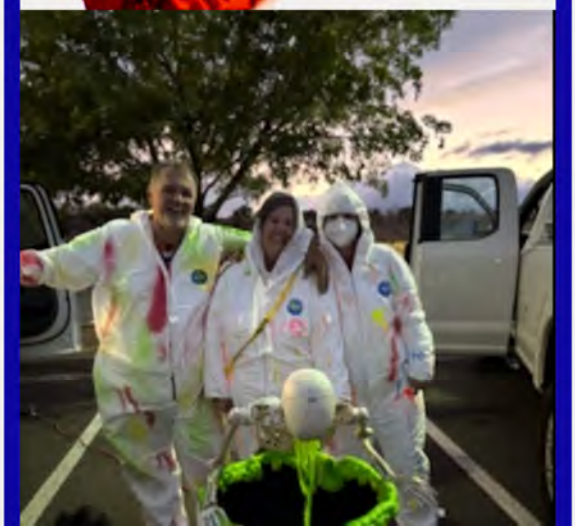



2024 2025

SSCAFCA Outreach







TRICK OR TREAT LEARNING IS SWEET



City of Rio Rancho 2024 Fall Festival / Truck or Treat

Rio Rancho City of Vision

SSCAFCA 1990 2025 35 Years

2024 2025 SSCAFCA Outreach

Sponsorships

2025 Land and Water Summit
2024 Children's Water Festival
Thinking Like Water Film Screening

Children's Water Festival
IN RIO RANCHO

LAND AND WATER SUMMIT



2024 2025 SSCAFCA Outreach

Speaking Engagements

V. Sue Cleveland High School Natural Disasters Class

Rio Rancho Middle School Career Fair

Walk & Learn with the Albuquerque Bernalillo County Water Utility Authority at the Harvey Jones Channel



Albuquerque Bernalillo County Water Utility Authority

Cleveland High School Storm

RRMS Phoenix

SSCAFCA 1990 2025 35 Years

Cuidad Soil and Water Conservation District

Middle Rio Grande Watershed MS4 Report

Mid Rio Grande Stormwater Quality Team

Outcomes Report Fiscal Year July 1, 2024 to June 30, 2025 • Presented by SUNNY505

Arroyo Classroom

1st quarter report 2024-2025

July - September

Submitted by:
Education Manager, Erin Blaz
Education Coordinator, Theresa Aragon

The Arroyo Classroom Team: Erin Blaz, Theresa Aragon
Participating Schools:

	SCHOOL	**Number of classes**	**Number of Students**
Title I*	Enchanted Hills	5	107
	Martin Luther King*	4	78
	Sandia Vista	6	138
	Maggie Cordova*	6	111
	Cielo Azul*	6	124
	Puesta del Sol*	5	99
	Colinas del Norte*	4	100
	TOTALS	**36**	**757**

Task 1: Recruit and select classes.
Complete by August 2024. **Status: completed.**

Recruitment this year went very smoothly since all previous participating schools requested to return to the Arroyo Classroom program which allowed us to meet the goal for the maximum number of classes (35). As the teachers returned to school and adjustments were made to their staff, additional teachers and support staff were added to complete recruitment at 37 teachers from 7 schools with a total of 757 students. We did have an increase in interest by other schools which were placed on a waitlist but funding for the current year was not sufficient to support additional schools.

Task 2: Review and revise evaluation and curriculum.
Complete by August 2024. **Status: completed.**

The previous model in Arroyo Classroom included 4 presentations; a watershed lesson with activities, two live animal presentations and an Arroyo Walk. While the teachers have expressed positive feedback with this model year after year, Ciudad SWCD staff has also observed that students are more engaged and show enthusiastic interest in learning about their watershed when they are active in nature. Out of 4 hours of programming, Arroyo Classroom has historically only had 1 hour of outdoor time during the arroyo walk, so in order to evaluate if we could increase that time, at the close of last year's program, we sent teachers a request for feedback and asked if a 2 hour field trip option was possible for their schedules. Teachers approved this adjustment and we revised the schedule, as well as the curriculum, to combine the Arroyo Walk with the watershed presentation into a 2 hour and 15 minute field trip to their nearby arroyo. This new field trip will focus on watershed health, connection to nature, identification of local flora and fauna and assessing our impact and environmental conservation roles.
The first presentation will be the Reptile and Arthropod presentation which largely remained the same with the addition of defining and modeling the Middle Rio Grande Watershed. This introduction to arroyos and watersheds will build on students' understanding of their own watershed on the field trips.
Additionally, we are finding that several teachers are starting to request more hands-on or additional presentations to continue their participation all year long. Staff will aim to address these needs as funding allows throughout the school year.

Task 3: Coordinate classroom guest speakers.
Begin September 2024. On-going through January 2024. **Status: completed..**

All presentations were scheduled for the teachers by Ciudad SWCD staff. Theresa Aragon, Ciudad SWCD Education Coordinator, will continue to deliver the reptile and arthropod presentation. Erin Blaz, Ciudad Education Manager and Theresa Aragon will co-present the updated arroyo walk field trips and Hawks Aloft Incorporated (HAI) has been contracted to deliver the avian presentations again this year..

Task 4: Distribute Pre Surveys
Begin August 2024. **Status: in progress.**

The goal of the students surveys are to determine students' growth in understanding of watershed health and knowledge about the local watershed to evaluate the program's impact. After working closely with Mollie Parsons of Cerise Consulting on the RiverXchange survey, Ciudad SWCD staff was able to make updates to the Arroyo Classroom survey to create clear evaluation objectives and improve alignment with current 3rd grade ELA level (including simplified questions, pictures for reference and a shorter survey overall). These improvements will hopefully provide more precise information about the program than years prior, but time will tell. 528 survey responses were completed in the 1st quarter, after only a few weeks since it was requested. The Pre-Survey can be viewed here.

Task 5: Deliver Program
Begin September 2024. **Status: in progress.**

During the first quarter the following presentations were completed:

Reptiles: 21/36
Arroyo Walk: 0/36
Birds: 0/36
Watershed: 0/36







Task 5: Distribute Post Surveys
Complete by March 2025. **Status:** **approaching.**

Collect and analyze teacher feedback.
Complete by March 2025. **Status:** **approaching.**

Task 5: Reporting to sponsors.

Midyear report by January 31, 2025.
Final report by July 30, 2025.

Arroyo Classroom

Mid-year report 2024-2025

October-December

Submitted by:
Education Manager, Erin Blaz
Education Coordinator, Theresa Aragon

The Arroyo Classroom Team: Erin Blaz, Theresa Aragon
Participating Schools:

	SCHOOL	**Number of classes**	**Number of Students**
Title I*	Enchanted Hills	5	107
	Martin Luther King*	4	78
	Sandia Vista	6	138
	Maggie Cordova*	6	111
	Cielo Azul*	6	124
	Puesta del Sol*	5	99
	Colinas del Norte*	4	100
	TOTALS	**36**	**757**

Task 1: Recruit and select classes.
Complete by August 2024. **Status: completed.**

Recruitment this year went very smoothly since all previous participating schools requested to return to the Arroyo Classroom program which allowed us to meet the goal for the maximum number of classes (35). As the teachers returned to school and adjustments were made to their staff, additional teachers and support staff were added to complete recruitment at 37 teachers from 7 schools with a total of 757 students. We did have an increase in interest by other schools which were placed on a waitlist but funding for the current year was not sufficient to support additional schools.

Task 2: Review and revise evaluation and curriculum.
Complete by August 2024. **Status: completed.**

The previous model in Arroyo Classroom included 4 presentations; a watershed lesson with activities, two live animal presentations and an Arroyo Walk. While the teachers have expressed positive feedback with this model year after year, Ciudad SWCD staff has also observed that students are more engaged and show enthusiastic interest in learning about their watershed when they are active in nature. Out of 4 hours of programming, Arroyo Classroom has historically only had 1 hour of outdoor time during the arroyo walk, so in order to evaluate if we could increase that time, at the close of last year's program, we sent teachers a request for feedback and asked if a 2 hour field trip option was possible for their schedules. Teachers approved this adjustment and we revised the schedule, as well as the curriculum, to combine the Arroyo Walk with the watershed presentation into a 2 hour and 15 minute field trip to their nearby arroyo. This new field trip will focus on watershed health, connection to nature, identification of local flora and fauna and assessing our impact and environmental conservation roles.
The first presentation will be the Reptile and Arthropod presentation which largely remained the same with the addition of defining and modeling the Middle Rio Grande Watershed. This introduction to arroyos and watersheds will help students' build an understanding of their own watershed on the field trips.
Additionally, we are finding that several teachers are starting to request more hands-on or additional presentations to continue their participation all year long. Staff will aim to address these needs as funding allows throughout the school year.

Task 3: Coordinate classroom guest speakers.
Begin September 2024. On-going through January 2024. **Status: completed..**

All presentations were scheduled for the teachers by Ciudad SWCD staff. Theresa Aragon, Ciudad SWCD Education Coordinator, will continue to deliver the reptile and arthropod presentation. Erin Blaz, Ciudad Education Manager and Theresa Aragon will co-present the updated arroyo walk field trips and Hawks Aloft Incorporated (HAI) has been contracted to deliver the avian presentations again this year..

Task 4: Distribute Pre Surveys
Begin August 2024. **Status: Completed.**

The goal of the students surveys are to determine students' growth in understanding of watershed health and knowledge about the local watershed to evaluate the program's impact. After working closely with Mollie Parsons of Cerise Consulting on the RiverXchange survey, Ciudad SWCD staff was able to make updates to the Arroyo Classroom survey to create clear evaluation objectives and improve alignment with current 3rd grade ELA level (including simplified questions, pictures for reference and a shorter survey overall). These improvements will hopefully provide more precise information about the program than years prior, but time will tell. 528 survey responses were completed in the 1st quarter, after only a few weeks since it was requested. The Pre-Survey can be viewed here.

All pre surveys were to be completed prior to students receiving their first presentation. In total, 580 out of 757 students completed the survey. The teachers reported that this year's survey was very easy for the students to comprehend and the questions sparked interesting conversations relating to watersheds when they were finished.

Task 5: Deliver Program
Begin September 2024. **Status: in progress.**

Mid-year presentation status:

Reptiles: 36/36
Arroyo Walk and Watershed:15/36
Birds: 0/36

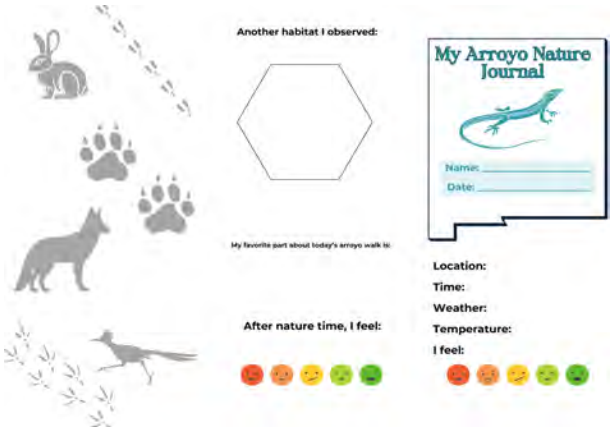
The combined arroyo walk and watershed lesson has proven to be successful in delivering both a hands-on approach to understanding watershed health and how it relates to wildlife and plants in arroyos with more outdoor time.

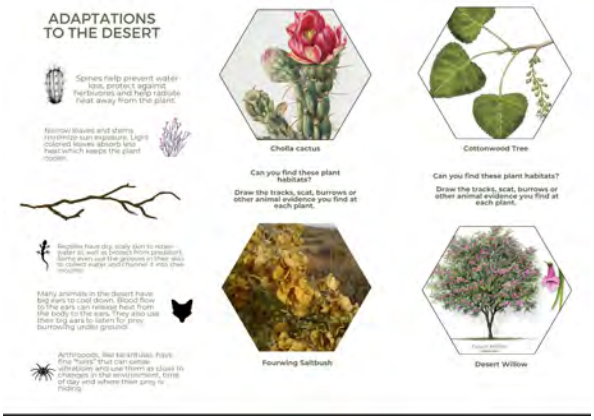
During the field trip, two classes participate and are separated into two activities.

- Erin Blaz, Ciudad SWCD Education Manager, leads one group in the “Build a Watershed” activity where students incorporate natural items in the arroyo to create and manipulate their own Middle Rio Grande Watershed. They are given different scenarios moving in time from a more natural watershed, to present day watershed with human impact incorporated. Using water bottles to “make it rain,” the students are able to use their model to observe stormwater and how it moves across the land as well as the consequences of runoff and pollutants added to their models.



- Theresa Aragon, Ciudad SWCD Education Coordinator, takes the second group on a wildlife seeking adventure where students observe various habitats in the arroyo, identify local plants and create tracks with paw replicas of native animals. During the second half of this presentation, students draw the tracks and scat they find near habits in the arroyo into their nature journal.





Task 5: Distribute Post Surveys
Complete by March 2025. **Status:** **approaching.**

Collect and analyze teacher feedback.
Complete by March 2025. **Status:** **approaching.**

Task 5: Reporting to sponsors.

Midyear report by January 31, 2025.
Final report by July 30, 2025.

CIUDAD SOIL & WATER CONSERVATION DISTRICT

Arroyo Classroom

3rd Quarter report 2024-2025

January-March

Submitted by:
Education Manager, Erin Blaz
Education Coordinator, Theresa Aragon

The Arroyo Classroom Team: Erin Blaz, Theresa Aragon, Megan McCready
Participating Schools:

	SCHOOL	**Number of classes**	**Number of Students**
Title I*	Enchanted Hills	5	107
	Martin Luther King*	4	78
	Sandia Vista	6	138
	Maggie Cordova*	6	111
	Cielo Azul*	6	124
	Puesta del Sol*	5	99
	Colinas del Norte*	4	100
	TOTALS	**36**	**757**

Summary: During the third quarter Hawks Aloft Inc. delivered almost all of their bird presentations. Ciudad staff provided the 2 hour arroyo walk program when possible, but a number of schools had to be rescheduled due to inclement weather, such as high winds and freezing temperatures. Seasonal timing of this walk will be considered for next year, although it

is increasingly hard to find ideal times to walk in the arroyos! Regardless, students have demonstrated having a positive experience in the outdoors.

Task 1: Recruit and select classes.
Complete by August 2024. **Status: completed.**

Recruitment this year went very smoothly since all previous participating schools requested to return to the Arroyo Classroom program which allowed us to meet the goal for the maximum number of classes (35). As the teachers returned to school and adjustments were made to their staff, additional teachers and support staff were added to complete recruitment at 37 teachers from 7 schools with a total of 757 students. We did have an increase in interest by other schools which were placed on a waitlist but funding for the current year was not sufficient to support additional schools.

Task 2: Review and revise evaluation and curriculum.
Complete by August 2024. **Status: completed.**

The previous model in Arroyo Classroom included 4 presentations; a watershed lesson with activities, two live animal presentations and an Arroyo Walk. While the teachers have expressed positive feedback with this model year after year, Ciudad SWCD staff has also observed that students are more engaged and show enthusiastic interest in learning about their watershed when they are active in nature. Out of 4 hours of programming, Arroyo Classroom has historically only had 1 hour of outdoor time during the arroyo walk, so in order to evaluate if we could increase that time, at the close of last year's program, we sent teachers a request for feedback and asked if a 2 hour field trip option was possible for their schedules. Teachers approved this adjustment and we revised the schedule, as well as the curriculum, to combine the Arroyo Walk with the watershed presentation into a 2 hour and 15 minute field trip to their nearby arroyo. This new field trip will focus on watershed health, connection to nature, identification of local flora and fauna and assessing our impact and environmental conservation roles.
The first presentation will be the Reptile and Arthropod presentation which largely remained the same with the addition of defining and modeling the Middle Rio Grande Watershed. This introduction to arroyos and watersheds will help students' build an understanding of their own watershed on the field trips.
Additionally, we are finding that several teachers are starting to request more hands-on or additional presentations to continue their participation all year long. Staff will aim to address these needs as funding allows throughout the school year.

Task 3: Coordinate classroom guest speakers.
Begin September 2024. On-going through January 2024. **Status: completed.**

All presentations were scheduled for the teachers by Ciudad SWCD staff. Theresa Aragon, Ciudad SWCD Education Coordinator, will continue to deliver the reptile and arthropod presentation. Erin Blaz, Ciudad Education Manager and Theresa Aragon will co-present the updated arroyo walk field trips and Hawks Aloft Incorporated (HAI) has been contracted to deliver the avian presentations again this year..

Task 4: Distribute Pre Surveys
Begin August 2024. **Status: Completed.**

The goal of the students surveys are to determine students' growth in understanding of watershed health and knowledge about the local watershed to evaluate the program's impact. After working closely with Mollie Parsons of Cerise Consulting on the RiverXchange survey, Ciudad SWCD staff was able to make updates to the Arroyo Classroom survey to create clear evaluation objectives and improve alignment with current 3rd grade ELA level (including simplified questions, pictures for reference and a shorter survey overall). These improvements will hopefully provide more precise information about the program than years prior, but time will tell.

In total, 580 out of 757 students completed the survey. The teachers reported that this year's survey was very easy for the students to comprehend and the questions sparked interesting conversations relating to watersheds when they were finished. The Pre-Survey can be viewed here.

Task 5: Deliver Program
Begin September 2024. **Status: in progress.**

3rd Quarter presentation status:

Reptiles: 36/36
Arroyo Walk and Watershed:34/36
Birds: 34/36

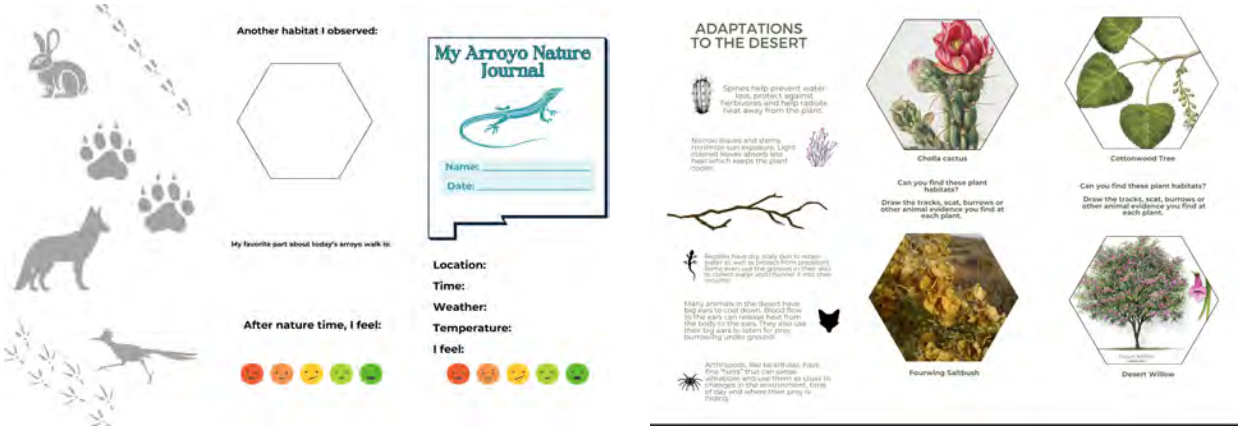
The combined arroyo walk and watershed lesson has proven to be successful in delivering both a hands-on approach to understanding watershed health and how it relates to wildlife and plants in arroyos with more outdoor time. The Arroyo Field Trip curriculum can be viewed here.

During the field trip, two classes participate and are separated into two activities.

- Erin Blaz, Ciudad SWCD Education Manager, leads one group in the “Build a Watershed” activity where students incorporate natural items in the arroyo to create and manipulate their own Middle Rio Grande Watershed. They are given different scenarios moving in time from a more natural watershed, to present day watershed with human impact incorporated. Using water bottles to “make it rain,” the students are able to use their model to observe stormwater and how it moves across the land as well as the consequences of runoff and pollutants added to their models.



- Theresa Aragon, Ciudad SWCD Education Coordinator, takes the second group on a wildlife seeking adventure where students observe various habitats in the arroyo, identify local plants and create tracks with paw replicas of native animals. During the second half of this presentation, students draw the tracks and scat they find near habits in the arroyo into their nature journal.



Task 5: Distribute Post Surveys
Complete by March 2025. **Status: In progress.**

At the conclusion of the 3rd quarter, 6 of the 7 schools participating in Arroyo Classroom received the post survey to distribute to their students. Our goal to send all surveys out was not met due to unforeseen reschedules. Inclement weather and scheduling conflicts with the teachers contributed to the need for moving some presentations to April. All remaining surveys will be scheduled to send and complete in April.

Collect and analyze teacher feedback.
Complete by April 2025. **Status: approaching.**

Task 5: Reporting to sponsors.

Midyear report by January 31, 2025.
Final report by July 30, 2025.

Ciudad Soil and Water Conservation District
100 Sun Ave NE Room 160
Albuquerque, NM 87109
505-510-3478

Watershed Stewards

Mid-Year Report
July-December 2024

During the mid-year reporting period Ciudad SWCD served over 80 individuals through the Watershed Stewards program across two events in September and November. These events were planned and delivered in partnership with Keep Rio Rancho Beautiful and the ABQ Backyard Refuge program.

September 28, 2024 - "Our Changing Bosque" Walk and Talk, Willow Creek Trailhead and Outdoor Classroom, 10:30-12pm
Attendees: 26 Adults, 3 youth
Guest Presenters: Joran Viers, Certified Arborist and former City of Albuquerque City Forester, Dyane Sonier, Rio Rancho Parks and Recreation, and Laurel Ladwig, Program Direction ABQ Backyard Refuge

This event was held on a beautiful Saturday in the fall. Participants ranged in ages from young adult to senior citizen and some families were in attendance, including City of Rio Rancho staff from other departments.

Discussion topics included:

- Forest Health through the lens of the Cottonwood and invasive species, water table changes (Joran)
- Fire Management: Continuous Bosque creates a new fire regime - accumulation of materials due to lack of flooding, fires that burn hot, lots of fuel ladders, lots of dry fuel on the floor, invasives like salt cedar are highly flammable, but can reproduce/re-seed quickly after fire and spread where cottonwoods died. (Joran)
- Wildlife Habitat: demonstrating the value of different plants and habitat areas, who lives here, when, what are the current pressures on wildlife and how can we help (Laurel)
- Restoration Approaches/Goals: Creating a patchy mosaic of native trees and open spaces and habitats to recreate a system that mimics the pre-development Bosque to decrease potential for fires and evapotranspiration and increase habitat. (Dyane)
- Stewardship: how can people get involved and participate in caring for our land (all)




Pictured Above: Our Changing Bosque Walk and Talk

November 16, 2024 -Fall Backyard Expo, Loma Colorado, 10am-1pm, 60+ attendees
The Fall Backyard Expo was a resource event focused on residential conservation practices while also connecting attendees to native wildlife and plants through hands-on activities, presentations and access to partner organizations. Ciudad SWCD provided leaf confetti and nature creature activities. KRRB brought a pine cone winter bird feeder activity (Peanut Butter and Seed).

PARTNER ORGANIZATIONS IN ATTENDANCE
Master Composters/Sandoval County Master Gardeners
NM Central Bird Alliance
Xerces Society
Tree New Mexico
Special Guest: Pollination Station by The Conservation Carnivale

Presentations
Live Birds with Mikal Deese, On a Wing and a Prayer
Irrigation and Water Conservation for Homeowners with Richard Perce, Anthropopulus and Arid LID Coalition.
Residential Weed Management with Dr. Leslie Beck, Weed Specialist, NMSU Extension

Pictured below: Fall Backyard Expo


Bird Alliance




HOW CAN YOU HELP?
DOG PLEASE NOT DUMP!

1st quarter report 2024-2025
July - September
Submitted by:
Education Manager, Erin Blaz
Education Coordinator, Theresa Aragon

The RiverXchange Team: Erin Blaz, Theresa Aragon, Sabrina Apodaca

Participating Schools:

FUNDER	**MRGSQT**		**SSCAFCA**	
	SCHOOL - Number of classes	**Number of Students**	**SCHOOL - Number of classes**	**Number of Students**
*Title 1 school	La Mesa* - 3	43	MLK* - 4	95
	Valle Vista* - 2	44	Maggie Cordova* - 5	117
	Seven Bar - 4	93	Puesta del Sol* - 5	102
	21st Century Public Academy* - 2	44		
	Zia*- 1	14		
	ACES - 1	15		
	North Valley Academy* - 1	20		
	Lavaland* - 3	66		
	San Antonito - 3	59		
	Chaparral* - 3	71		
	Susie Rayos Marmon- 4	83		
	Rio Rancho ES* - 4	78		
	Enchanted Hills - 5	128		
TOTALS	**36**	**758**	**14**	**314**

RX Total Classes	**50**	**RX Total Students**	**1072**	

Summary:

During the first quarter, Ciudad SWCD staff successfully recruited classes for the RiverXchange program, with teacher interest exceeding the average level of participation requests, leading to a total of 50 classes enrolled in the program. Staff planned and successfully delivered the teacher workshop on Sept 7, 2024 with 34 teachers in attendance at the Rio Grande Nature Center, and scheduled all the presentations and field trips for the year for each class. Additionally, staff continued work with Mollie Parsons of Cerise Consulting, a locally reputable environmental education and program evaluation expert, to finalize an updated evaluation plan for RiverXchange based on and in correlation to the RiverXchange logic model that was developed at the end of FY24. This effort aims to enhance our evaluation process by ensuring that the metrics accurately reflect the program's alignment with learning objectives and to provide refined and valuable insights for continuous improvement.

Task 1: Recruit and select classes.

Complete by August 2024. **Status: completed.**

This year's selection for recruitment aimed to include Title 1 and returning Title 1 schools to continue our focus of prioritizing the need to increase outdoor learning opportunities to students from communities that have been historically underserved. By late August all schools fully confirmed their participation in RiverXchange, in total, 24 APS classes, 3 charter school classes and 23 Rio Rancho classes were enrolled. This is 12 classes over the 38 funded classes, however

through communication with our partner presenters and City of Albuquerque Open Space Division (COA-OSD) we were able to accommodate each class's presentations and field trip. Bus funding was also assessed to ensure we could fully accommodate transportation to the field trips for all classes. While the approach to include more classes than initially allocated in our budget involved some financial risk, it aims to provide valuable insights into the capacity and limits of our funding.

Task 2: Review and revise curriculum.

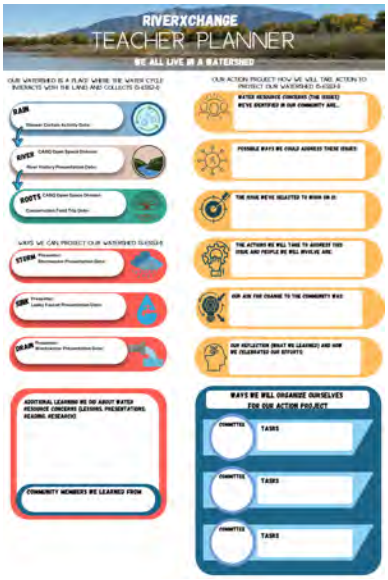
Complete by August 2024. **Status: completed.**

The RiverXchange curriculum consists of the presentations, the conservation field trip and action project. The presentations and field trip are coordinated through partner agencies and RiverXchange staff meet with and check in with partners at the beginning of the year to discuss the previous year's survey results and any improvement needed. For the most part, the content of the partner presentations stay consistent year to year, with only slight adjustments. This year the conservation field trip and in-class pre-field trip lesson are being updated to include new elements that reflect Bosque forest health management, such as diversifying plantings to include native shrubs and seeding and invasive removal in areas treated for hazardous fuel reduction. Teachers are trained in the action project process at the teacher workshop. Teachers were provided an updated teacher guide and classroom poster that we worked through during the workshop. Each class also received an action project guide booklet (purchased during the previous fiscal year).

Task 3: Review Action Project reporting system.

Complete by September 2024. **Status: completed.**

After reviewing last year's plan for action project support, which centered around monthly virtual gatherings available to all teachers, staff made some updates. To increase participation and submittal of the Action Project, RiverXchange staff developed a comprehensive checklist poster which will be placed in a visible location in the classroom and serve as a reporting system for teachers. Each quarter, we will request an update from teachers which will include a picture and brief description of their progress up to that checkpoint. During the month of December, staff will ask each teacher to meet with us to discuss their action project plan. Depending on the discussion in December, staff will determine if additional support is needed in the spring semester, such as classroom visits.



Task 4: Set teacher workshop dates and locations, review training agenda, order curriculum materials, and conduct workshops.

Complete by August 2024. **Status: completed.**

Planning for the teacher workshop began in July. The workshop was scheduled for Saturday September 7, 2024. Staff was hoping to hold the workshop at Valle De Oro again, as this space is

big enough to accommodate all our teachers, but we were unable to find a Saturday they were open as they were already booked on dates that would work. We were able to schedule the workshop at Rio Grande Nature Center's Education Building, which has a large enough space for all our teachers.. RGNC was able to waive the $200 rental fee, but parking passes are required at $3 each. We were able to arrange a lump sum payment for parking to cover the cost of parking for teachers. Teachers also received a $150.00 stipend for attending. 34 teachers attended.

Staff decided this year the main focus of the teacher workshop would be to build confidence in completing the action project in their classrooms. This meant that we did not invite other partners to do hands-on activities with teachers in rotations, like we had in the past. In our experience the 5 hours of the workshop go back incredibly fast and we often pack too much in. This year, staff hoped to provide a calm pace with ample time for teachers to work in groups to brainstorm and innovate ways to implement the action project. So the agenda of the workshop focused on using the updated teacher guide, student guidebook and action project poster, and allowing teachers to work through a planning process for implementing the action project.

In an effort to evaluate our effectiveness in preparing teachers to be successful with the action project we included a pre and post survey at the workshop. The pre-workshop survey asked teachers to explain *what happens to stormwater when it rains* to check for understanding and emphasize one of the core learning outcomes of the program. The post-workshop feedback survey asked teachers to demonstrate an understanding of stormwater and to evaluate the workshop's effectiveness and to assess their own proclivity towards environmental action and behaviors. Teacher's responses overwhelmingly demonstrated confidence in the areas of using the resources we provided and the action project process, along with satisfaction of the training. Some did note they wanted more hands-on experience at the training and a way to sign up electronically for presentations. Staff will continue to review the teacher feedback surveys







Task 5: Review, update and distribute pre-survey to all classes before presentations begin and track completion.

Begin August 2024. On-going through Dec 2024. **Status: in process.**

This year's student survey was updated with the assistance of a contracted expert, Molly Parson with Cerise Consulting. The goal of working with a consultant was to refine our student survey questions as the evaluation metrics are a time consuming aspect of our yearly responsibilities as program managers. We wanted to continue to ensure we are evaluating the program's alignment to the funding objectives, but also to re-examine exactly what ought to be measured, what can be attributed to a student's experience in the program and what impacts are most important to demonstrate. Through our work with Mollie and Cerise Consultant we were able to develop an

evaluation plan, which helped to tie our program outcomes to evaluation practices across the program. The student survey is one evaluation tool we will use this year to demonstrate program effectiveness. The updated Pre-Survey can be viewed here.

567 survey responses were completed in the 1st quarter, after only a few weeks since it was requested.

Task 6: Monitor, coordinate and provide support to teachers for Action Projects.

Begin October 2024. On-going through May 2024. **Status: approaching.**

Task 7: Coordinate field trips.

Begin August 2024. On-going through May 2024. **Status: in process.**

In partnership with the City of Albuquerque Open Space Division, we scheduled each school's field trips with predetermined availability dates with city staff. By mirroring dates and times teachers had in the previous year, we coordinated field trips for the schools and then made necessary adjustments after aligning their schedules to their in class presentation dates. This new coordination process greatly improved the time expended to complete each school's RiverXchange scheduling. Finally, once the conservation trip schedule was complete, CABQ-OSD provided two locations, Candelaria Nature Preserve and Tingley Beach Bosque, as the field trip sites. Field trips will run from mid November through early April.

Task 8: Coordinate classroom guest speakers.

Begin September 2024. On-going through May 2023. **Status: in process.**

Drinking Water and Wastewater Presenters - Ellie Garcia & Rhea Trotman from ABCWUA.

Stormwater - Sandia Labs, Lead- John Kay, as well as other various presenters.

Field Trips and Pre-Lesson, Alexandra Bezner and staff of CABQ-OSD

Task 9: Review and track Action Project progress

Begin December 2024. On-going through May 2025. **Status:** **approaching.**

Tracking and reporting will begin in December.

Task 10: Distribute post-survey to classes after they complete presentations and field trip, complete metrics evaluation and review.

Begin January 2025. On-going through April 2025. **Status:** **approaching.**

Post- surveys will be distributed as soon as classes finish their presentations and field trip.

Task 11: Review Action Projects for RiverXchange Excellence and award winners.

April 2024. **Status:** **approaching.**

Action Project submissions are expected in late March.

Task 12: Collect and analyze teacher feedback.

Complete by May 2025. **Status:** **approaching**

Staff will revise the teacher feedback form in December and offer it to teachers by the end of April.

Task 13: Create, print and mail thank you cards to in-kind partners and certificates of recognition to teachers.

Complete during June 2025. **Status:** **approaching**

We will maintain correspondence with our in-kind partners throughout the school year and send thank you notes as needed.

Task 14: Reporting to sponsors.

Midyear report by January 31, 2025. Final report by July 30, 2025.

Mid year report 2024-2025
October-December
Submitted by:
Education Manager, Erin Blaz
Education Coordinator, Theresa Aragon

The RiverXchange Team: Erin Blaz, Theresa Aragon, Sabrina Apodaca

Participating Schools:

FUNDER	**MRGSQT**		**SSCAFCA**	
	SCHOOL - Number of classes	**Number of Students**	**SCHOOL - Number of classes**	**Number of Students**
*Title 1 school	La Mesa* - 3	43	MLK* - 4	95
	Valle Vista* - 2	44	Maggie Cordova* - 5	117
	Seven Bar - 4	93	Puesta del Sol* - 5	102
	21st Century Public Academy* - 2	44		
	Zia*- 1	14		
	ACES - 1	15		
	North Valley Academy* - 1	20		
	Lavaland* - 3	66		
	San Antonito - 3	59		
	Chaparral* - 3	71		
	Susie Rayos Marmon- 4	83		
	Rio Rancho ES* - 4	78		
	Enchanted Hills - 5	128		
TOTALS	**36**	**758**	**14**	**314**

RX Total Classes	**50**	**RX Total Students**	**1072**	

Summary:

During the second quarter, Ciudad SWCD staff continued to focus on ensuring RiverXchange delivers high-quality watershed presentations and conservation field trips. Through consistent communications with the partners and Ciudad SWCD staff delivering presentations, we have kept the presentation schedule on track for completion before the end of April 2025. During this quarter, we have reminded teachers about a timeline for implementing the action project and doing one-on-one check-ins with Ciudad staff in January. The Action Project aims to improve students' understanding of their role in addressing environmental issues, with each presentation building a foundation in "water resource concerns" with presenters as "water resource experts" to inform the process of determining an issue of concern. At the midyear mark, teachers should be working with students on selecting an issue to take action on in the community, creating committees to share responsibilities in the project and reaching out to leaders and resources to help students further investigate their issue of concern.

Task 1: Recruit and select classes.

Complete by August 2024. **Status: completed.**

This year's selection for recruitment aimed to include Title 1 and returning Title 1 schools to continue our focus of prioritizing the need to increase outdoor learning opportunities to students from communities that have been historically underserved. By late August all schools fully confirmed their participation in RiverXchange, in total, 24 APS classes, 3 charter school classes

and 23 Rio Rancho classes were enrolled. This is 12 classes over the 38 funded classes, however through communication with our partner presenters and City of Albuquerque Open Space Division (COA-OSD) we were able to accommodate each class's presentations and field trip. Bus funding was also assessed to ensure we could fully accommodate transportation to the field trips for all classes. While the approach to include more classes than initially allocated in our budget involved some financial risk, it aims to provide valuable insights into the capacity and limits of our funding.

Task 2: Review and revise curriculum.

Complete by August 2024. **Status: completed.**

The RiverXchange curriculum consists of the presentations, the conservation field trip and action project. The presentations and field trip are coordinated through partner agencies and RiverXchange staff meet with and check in with partners at the beginning of the year to discuss the previous year's survey results and any improvement needed. For the most part, the content of the partner presentations stay consistent year to year, with only slight adjustments. This year the conservation field trip and in-class pre-field trip lesson are being updated to include new elements that reflect Bosque forest health management, such as diversifying plantings to include native shrubs and seeding and invasive removal in areas treated for hazardous fuel reduction. Teachers are trained in the action project process at the teacher workshop. Teachers were provided an updated teacher guide and classroom poster that we worked through during the workshop. Each class also received an action project guide booklet (purchased during the previous fiscal year).

Task 3: Review Action Project reporting system.

Complete by September 2024. **Status: completed.**

After reviewing last year's plan for action project support, which centered around monthly virtual gatherings available to all teachers, staff made some updates. To increase participation and submittal of the Action Project, RiverXchange staff developed a comprehensive checklist poster which will be placed in a visible location in the classroom and serve as a reporting system for teachers. Each quarter, we will request an update from teachers which will include a picture and brief description of their progress up to that checkpoint. During the month of December, staff will ask each teacher to meet with us to discuss their action project plan. Depending on the discussion in December, staff will determine if additional support is needed in the spring semester, such as classroom visits.

Task 4: Set teacher workshop dates and locations, review training agenda, order curriculum materials, and conduct workshops.

Complete by August 2024. **Status: completed.**

Planning for the teacher workshop began in July. The workshop was scheduled for Saturday September 7, 2024. Staff was hoping to hold the workshop at Valle De Oro again, as this space is big enough to accommodate all our teachers, but we were unable to find a Saturday they were open as they were already booked on dates that would work. We were able to schedule the workshop at Rio Grande Nature Center's Education Building, which has a large enough space for all our teachers.. RGNC was able to waive the $200 rental fee, but parking passes are required at $3 each. We were able to arrange a lump sum payment for parking to cover the cost of parking for teachers. Teachers also received a $150.00 stipend for attending. 34 teachers attended.

Staff decided this year the main focus of the teacher workshop would be to build confidence in completing the action project in their classrooms. This meant that we did not invite other partners to do hands-on activities with teachers in rotations, like we had in the past. In our experience the

5 hours of the workshop go back incredibly fast and we often pack too much in. This year, staff hoped to provide a calm pace with ample time for teachers to work in groups to brainstorm and innovate ways to implement the action project. So the agenda of the workshop focused on using the updated teacher guide, student guidebook and action project poster, and allowing teachers to work through a planning process for implementing the action project.

In an effort to evaluate our effectiveness in preparing teachers to be successful with the action project we included a pre and post survey at the workshop. The pre-workshop survey asked teachers to explain *what happens to stormwater when it rains* to check for understanding and emphasize one of the core learning outcomes of the program. The post-workshop feedback survey asked teachers to demonstrate an understanding of stormwater and to evaluate the workshop's effectiveness and to assess their own proclivity towards environmental action and behaviors. Teacher's responses overwhelmingly demonstrated confidence in the areas of using the resources we provided and the action project process, along with satisfaction of the training. Some did note they wanted more hands-on experience at the training and a way to sign up electronically for presentations. Staff will continue to review the teacher feedback surveys

Task 5: Review, update and distribute pre-survey to all classes before presentations begin and track completion.

Begin August 2024. On-going through Dec 2024. **Status: in process.**

Mid-year: 800 total Pre-survey were completed.

This year's student survey was updated with the assistance of a contracted expert, Molly Parson with Cerise Consulting. The goal of working with a consultant was to refine our student survey questions as the evaluation metrics are a time consuming aspect of our yearly responsibilities as program managers. We wanted to continue to ensure we are evaluating the program's alignment

to the funding objectives, but also to re-examine exactly what ought to be measured, what can be attributed to a student's experience in the program and what impacts are most important to demonstrate. Through our work with Mollie and Cerise Consultant we were able to develop an evaluation plan, which helped to tie our program outcomes to evaluation practices across the program. The student survey is one evaluation tool we will use this year to demonstrate program effectiveness. The updated Pre-Survey can be viewed here.
567 survey responses were completed in the 1st quarter, after only a few weeks since it was requested.

Task 6: Monitor, coordinate and provide support to teachers for Action Projects.
Begin October 2024. On-going through May 2024. **Status: approaching.**

Mid-year: An action project update was requested from teachers in October and 5 teachers responded on behalf of their 5th grade team. The feedback we received from them has been positive and they feel well supported and prepared to continue their Action Project utilizing the resources provided through the RiverXchange curriculum.

Task 7: Coordinate field trips.
Begin August 2024. On-going through May 2024. **Status: in process.**

Mid-year: Field trips began in the middle of November at Candelaria Nature Preserve and started at Tingely Beach in December. COA-OSD has diversified the activities for the conservation field trip to include invasive species removal, native seed dispersal, mulching, watering and some social trail closures. The transition to these new activities has had some challenges. Many of the

OSD staff are fairly new to the program and the plans for implementing these activities aren't always fully fleshed out. However, students are enjoying the activities for the most part and we are working to understand how to best support OSDs new initiative in the program. There are some concerns that longtime teachers of RiverXchange might be less pleased with the activities, but so far we have not heard any complaints.

Coordinating with OSD on the field trips is different this year as many of the staff have changed and roles have changed. The communication process has been a bit more involved this year due to learning curves for new staff. However, we also booked more field trip dates than this year and OSD has been accommodating and helpful throughout the process.





Above: Students remove invasives at Tingely Beach and help to water native plants at Candelaria Nature Preserve

In partnership with the City of Albuquerque Open Space Division, we scheduled each school's field trips with predetermined availability dates with city staff. By mirroring dates and times teachers had in the previous year, we coordinated field trips for the schools and then made necessary adjustments after aligning their schedules to their in class presentation dates. This new coordination process greatly improved the time expended to complete each school's RiverXchange scheduling. Finally, once the conservation trip schedule was complete, CABQ-OSD provided two locations, Candelaria Nature Preserve and Tingley Beach Bosque, as the field trip sites. Field trips will run from mid November through early April.

Task 8: Coordinate classroom guest speakers.

Begin September 2024. On-going through May 2023. **Status: in process.**

Mid-year:

Staff are sending reminders for presentations and helping to facilitate re-schedules as needed. Our partners at the Water Utility Authority are doing all the Drinking Water and Wastewater presentations, and with the large number of classes this year there have been quite a few reschedules. We do have a shared spreadsheet for updating changes to the schedule, but WUA presenters don't always have time to input that information in a timely manner. We are fortunate for their partnership, but it is important to take note of how a larger number of classes impacts communication flow.

With the larger number of classes this year, Ciudad SWCD staff, Theresa, Erin and Annie, Ciudad SWCD's Urban Waters Coordinator, are providing a number of the Stormwater presentations.

Presentations to date:

Stormwater 41/50
Drinking water 43/50

Wastewater 34/50
River History 7/50
Field Trip 7/50

Drinking Water and Wastewater Presenters - Ellie Garcia & Rhea Trotman from ABCWUA.

Stormwater - Sandia Labs, Lead- John Kay, as well as other various presenters.

Field Trips and Pre-Lesson, Alexandra Bezner and staff of CABQ-OSD

Task 9: Review and track Action Project progress

Begin December 2024. On-going through May 2025. **Status: approaching.**

Mid-year: Teachers have reported that the shower curtain watershed activity and the campus walk, which helps students to identify water related problems on their campus, was instrumental in guiding the students to locate and narrow their issue. While many past teachers expressed a desire to elevate the action and impact in the community from their projects in past years, they allowed their students to address and drive the issues they experienced first hand. Some issues (i.e. watershed concerns) teachers have reported students identifying are:

- "My students' choices were: getting students to eat the food they take, picking up trash from the playground after snack, and cleaner bathrooms. They voted and have chosen to address the trash on the playground during their second recess." (Ms. Shafer, Maggie Cordova ES)
- " On our Campus Walk, we took notes on living and living things, and we discussed problems we are seeing around the campus. The three major problems my students decided on were trash around the campus, especially near our outdoor learning spaces, mulch in areas where it may not be doing its job, and lack of trash cans around the school." (Ms. Martinez, Valle Vista ES)



Above: North Valley Academy students attempting to spell the word "biotic" while showing off one of their many trees on campus during their campus walk. They enjoyed identifying biotic and abiotic factors while identifying problems on campus.

We will continue to encourage more teachers to share their process. Next, a check-in with teachers will be a virtual call in January. .

Task 10: Distribute post-survey to classes after they complete presentations and field trip, complete metrics evaluation and review.

Begin January 2025. On-going through April 2025. **Status: approaching.**

Post- surveys will be distributed as soon as classes finish their presentations and field trip.

Task 11: Review Action Projects for RiverXchange Excellence and award winners.

April 2024. **Status: approaching.**

Action Project submissions are expected in late March.

Task 12: Collect and analyze teacher feedback.

Complete by May 2025. **Status: approaching**

Staff will revise the teacher feedback form in December and offer it to teachers by the end of April.

Task 13: Create, print and mail thank you cards to in-kind partners and certificates of recognition to teachers.

Complete during June 2025. **Status: approaching**

We will maintain correspondence with our in-kind partners throughout the school year and send thank you notes as needed.

Task 14: Reporting to sponsors.

Midyear report by January 31, 2025. Final report by July 30, 2025.

3rd Quarter Report 2024-2025
January-March
Submitted by:
Education Manager, Erin Blaz
Education Coordinator, Theresa Aragon

The RiverXchange Team: Erin Blaz, Theresa Aragon, Megan McCready

Participating Schools:

FUNDER	**MRGSQT**		**SSCAFCA**	
	SCHOOL - Number of classes	**Number of Students**	**SCHOOL - Number of classes**	**Number of Students**
*Title 1 school	La Mesa* - 3	43	MLK* - 4	95
	Valle Vista* - 2	44	Maggie Cordova* - 5	117
	Seven Bar - 4	93	Puesta del Sol* - 5	102
	21st Century Public Academy* - 2	44		
	Zia*- 1	14		
	ACES - 1	15		
	North Valley Academy* - 1	20		
	Lavaland* - 3	66		
	San Antonito - 3	59		
	Chaparral* - 3	71		
	Susie Rayos Marmon- 4	83		
	Rio Rancho ES* - 4	78		
	Enchanted Hills - 5	128		
TOTALS	**36**	**758**	**14**	**314**

RX Total Classes	**50**	**RX Total Students**	**1072**	

Summary:

In the third quarter, Ciudad SWCD staff successfully ensured that the presentation and field trip schedule remained on target for completion, while also attending all the conservation field trips and working with teachers on action project progress and submissions. Managing the additional classes' high volume of concurrent presentation and field trip schedules and also planning for action project submissions did prove challenging for the two Ciudad staff on this project with the existing project budget. During March, Ciudad also brought on a new finance manager, Megan McCready.

Task 1: Recruit and select classes.

Complete by August 2024. **Status: completed.**

This year's selection for recruitment aimed to include Title 1 and returning Title 1 schools to continue our focus of prioritizing the need to increase outdoor learning opportunities to students from communities that have been historically underserved. By late August all schools fully confirmed their participation in RiverXchange, in total, 24 APS classes, 3 charter school classes and 23 Rio Rancho classes were enrolled. This is 12 classes over the 38 funded classes, however through communication with our partner presenters and City of Albuquerque Open Space Division (COA-OSD) we were able to accommodate each class's presentations and field trip. Bus funding was also assessed to ensure we could fully accommodate transportation to the field trips for all classes. While the approach to include more classes than initially allocated in our

budget involved some financial risk, it aims to provide valuable insights into the capacity and limits of our funding.

Task 2: Review and revise curriculum.

Complete by August 2024. **Status: completed.**

The RiverXchange curriculum consists of the presentations, the conservation field trip and action project. The presentations and field trip are coordinated through partner agencies and RiverXchange staff meet with and check in with partners at the beginning of the year to discuss the previous year's survey results and any improvement needed. For the most part, the content of the partner presentations stay consistent year to year, with only slight adjustments. This year the conservation field trip and in-class pre-field trip lesson are being updated to include new elements that reflect Bosque forest health management, such as diversifying plantings to include native shrubs and seeding and invasive removal in areas treated for hazardous fuel reduction. Teachers are trained in the action project process at the teacher workshop. Teachers were provided an updated teacher guide and classroom poster that we worked through during the workshop. Each class also received an action project guide booklet (purchased during the previous fiscal year).

Task 3: Review Action Project reporting system.

Complete by September 2024. **Status: completed.**

After reviewing last year's plan for action project support, which centered around monthly virtual gatherings available to all teachers, staff made some updates. To increase participation and submittal of the Action Project, RiverXchange staff developed a comprehensive checklist poster which will be placed in a visible location in the classroom and serve as a reporting system for teachers. Each quarter, we will request an update from teachers which will include a picture and

brief description of their progress up to that checkpoint. During the month of December, staff will ask each teacher to meet with us to discuss their action project plan. Depending on the discussion in December, staff will determine if additional support is needed in the spring semester, such as classroom visits.

Task 4: Set teacher workshop dates and locations, review training agenda, order curriculum materials, and conduct workshops.

Complete by August 2024. **Status: completed.**

The teacher workshop was conducted onSaturday September 7, 2024 at the Rio Grande Nature Center. Teachers received a $150.00 stipend for attending and 34 teachers were in attendance. The workshop focused on using the updated teacher guide, student guidebook and action project poster, and allowing teachers to work through a planning process for implementing the action project.

In an effort to evaluate our effectiveness in preparing teachers to be successful with the action project we included a pre and post survey at the workshop. The pre-workshop survey asked teachers to explain *what happens to stormwater when it rains* to check for understanding and emphasize one of the core learning outcomes of the program. The post-workshop feedback survey asked teachers to demonstrate an understanding of stormwater and to evaluate the workshop's effectiveness and to assess their own proclivity towards environmental action and behaviors. Teacher's responses overwhelmingly demonstrated confidence in the areas of using the resources we provided and the action project process, along with satisfaction of the training. Some did note they wanted more hands-on experience at the training and a way to sign up electronically for presentations.

Task 5: Review, update and distribute pre-survey to all classes before presentations begin and track completion.

Begin August 2024. On-going through Dec 2024. **Status: Complete.**

1st Quarter: 800 total Pre-survey were completed.

This year's student survey was updated with the assistance of a contracted expert, Molly Parson with Cerise Consulting to refine our student survey questions as the evaluation metrics are a time consuming aspect of our yearly responsibilities as program managers . The updated Pre-Survey can be viewed here and as classes complete their in class presentations and conservation field trips, they will receive the same post-survey to allow our team to evaluate the successes and opportunities of the program as a whole.

Task 6: Monitor, coordinate and provide support to teachers for Action Projects.

Begin October 2024. On-going through May 2024. **Status: in progress.**

Third Quarter: Regular check-ins with the teachers is vital to the success of the Action Project. These check-ins ensure we are equipping teachers with the resources they need as well as maintaining momentum to work through the steps. Our second formal touch base was concluded via virtual meetings in February. Teachers signed up for a 30 minute session to share their progress. Our goal for this meeting was to identify how we can support teachers through the next steps of the Action Project and the expectation is that, as a class, they completed their *Issue Selection*, *Actions to Address the Issue* and *Create Committees* to organize tasks for their project. Six schools took advantage of this opportunity and we identified a need for updated fact sheets on pollution impact on wildlife and water supplies, a need for in class support to acquire tools for

a campus clean up, contacts for recycling bins and feedback for their students on their current progress.

Task 7: Coordinate field trips.

Begin August 2024. On-going through May 2024. **Status: in process.**

Third Quarter: Conservation field trips continued at Tingely Beach. Schools continued completing various activities for the conservation field trip including invasive species removal, native seed dispersal, mulching, watering and some willow planting. At the restoration location 27 classes raked, seeded and mulched around 2 acres, 4 classes removed invasives and 12 classes planted 81 willow trees. During the 3rd quarter, OSD also hired a new Education Coordinator who will be directly supporting the RiverXchange field trips moving forward.





Above: Students work in Bosque restoration areas to improve grass cover and understory vegetation.

Task 8: Coordinate classroom guest speakers.

Begin September 2024. On-going through May 2023. **Status: Complete.**

Third Quarter: Staff continue sending reminders for presentations and helping to facilitate re-schedules as needed. With the larger number of classes this year, Ciudad SWCD staff, Theresa, Erin and Annie, Ciudad SWCD's Urban Waters Coordinator, are providing a number of the Stormwater presentations.

Presentations to date:

Stormwater 50/50
Drinking water 50/50
Wastewater 50/50
River History 46/50
Field Trip 45/50

Drinking Water and Wastewater Presenters - Ellie Garcia & Rhea Trotman from ABCWUA.

Stormwater - Sandia Labs, Lead- John Kay, as well as other various presenters.

Field Trips and Pre-Lesson, Alexandra Bezner and staff of CABQ-OSD

Task 9: Review and track Action Project progress

Begin December 2024. On-going through May 2025. **Status: in process.**

Third Quarter: In mid March teachers were sent an email requesting Action Project Submissions and guidelines for evaluation and submissions (i.e. google form or slideshow). These submissions were due by April 11, but by the end of March 10 teachers had already submitted their action projects.

Task 10: Distribute post-survey to classes after they complete presentations and field trip, complete metrics evaluation and review.

Begin January 2025. On-going through April 2025. **Status: in progress.**

Third Quarter: In March, 13 schools received the post-survey, with 81 surveys completed. RiverXchange staff will continue to reach out to teachers to ensure maximized participation in completing the survey is achieved.

Task 11: Review Action Projects for RiverXchange Excellence and award winners.

April 2024. **Status: in progress.**

Action Project submissions are expected in early April.

Task 12: Collect and analyze teacher feedback.

Complete by May 2025. **Status: approaching**

Staff will revise the teacher feedback form and offer it to teachers by the end of April.

Task 13: Create, print and mail thank you cards to in-kind partners and certificates of recognition to teachers.

Complete during June 2025. **Status: approaching**

We will maintain correspondence with our in-kind partners throughout the school year and send thank you notes as needed.

Task 14: Reporting to sponsors.

Midyear report by January 31, 2025. Final report by July 30, 2025.

RIVERXchange®

FY2025 FINAL REPORT
EDUCATION & OUTREACH
MS4 PERMIT COMPLIANCE

COMPLETED BY:
CIUDAD SOIL AND WATER CONSERVATION DISTRICT
JULY 2024-JUNE 2025

Joint funding provided by:

Mid Rio Grande Stormwater Quality Team

Southern Sandoval County Arroyo Flood Control Authority

Introduction

For fiscal year 2025, The Middle Rio Grande Stormwater Quality Team (MRGSQT) committed to Ciudad Soil and Water Conservation District (Ciudad SWCD) a total of $50,897.00, and Southern Sandoval County committed to Ciudad SWCD a total of $23,496.00 to provide educational services in accordance with the requirements set forth in the EPA Municipal Separate Storm Sewer System Permit No. NMR04A000 (the MS4 Permit) for Education & Outreach and Public Involvement compliance for the RiverXchange® Program.



RiverXchange® is a watershed education program for 5th graders which is comprised of guest speakers, hands-on activities, a conservation field trip and a class-led action project that incorporates the EarthForce organization's process for Environmental Action Civics. The EarthForce process is an educational approach where youth and adults work in partnership to identify a local environmental issue, engage with community members, and advocate for systemic changes to policies or practices through action. The EarthForce process aligns strongly with RiverXchange® objectives, as it allows students and teachers to understand more deeply and think critically about watershed issues, while engaging a larger audience in taking action for change. RiverXchange® is appealing to teachers because it addresses many grade-level Next Generation Science Standards, social studies benchmarks, as well as Common Core Language Arts Standards, and promotes project-based learning and access to outdoor learning.

RIVERXCHANGE® 2024-2025

EDUCATION FOR UNDERSTANDING AND PROTECTING WATERSHED HEALTH

Executive Summary



Students building a watershed model and making it rain!

During the 2024-2025 school year, RiverXchange® served **1072 5th grade students and 50** teachers across **16** schools, 11 of which were Title I schools. Each student received 10 hours of direct programming provided by Ciudad SWCD staff and partners. Classrooms who completed an action project engaged in 10-20 additional hours of the program. Contributions from partners' time, and student and adult volunteers on the conservation field trip provided a total of **$185,293.16 of in-kind match** this school year. MRSSQT and SSCAFCA committed to a total of $74,393.00 in cash for program coordination, bus costs, teacher stipends and materials.

The RiverXchange® Curriculum introduces students to water conservation and resource topics with the goal of bringing awareness to our shared role in protecting watershed health. Within the curriculum, all 1072 students engaged with grade-level appropriate lessons that covered required MS4 topics.

MS4 TOPICS

- PET WASTE MANAGEMENT
- PROPER DISPOSAL OF OIL, HOUSEHOLD HAZARDOUS WASTE
- PROPER DISPOSAL OF PESTICIDES, HERBICIDES AND FERTILIZERS
- IMPAIRED WATERS IN THE CITY/STATE
- WATERSHED MANAGEMENT



Students manipulating the Rio Grande to reflect flood control management in the river history activity

Presentations

Each class in RiverXchange® experienced hands-on lessons focused Drinking Water, Wastewater, Stormwater and The History of the Rio Grande; presented by our partners:

Conservation Field Trip

This year in partnership with Albuquerque Open Space Division, RiverXchange® students took part in restoration efforts at a hazardous fuel post-treatment site at Tingley Beach and Candelaria Nature Preserve, while others worked with Rio Grande Nature Center State park. In addition to the **1023 students** recorded in attendance across this year, **130 adults** joined in the restoration effort across 6.2 of acres of the Bosque. Activities included planting coyote willows, seep willows and other native plants, seeding native grasses, mulching, watering and pulling invasive plants.







Top Left: Students get instruction on proper tool use for restoration activities. Bottom left: students spread native seeds. Top right: wildlife sightings are common in the Bosque.

RIVERXCHANGE® ENGAGEMENT & IMPACT

EDUCATION FOR UNDERSTANDING AND PROTECTING WATERSHED HEALTH







Teacher Professional Development

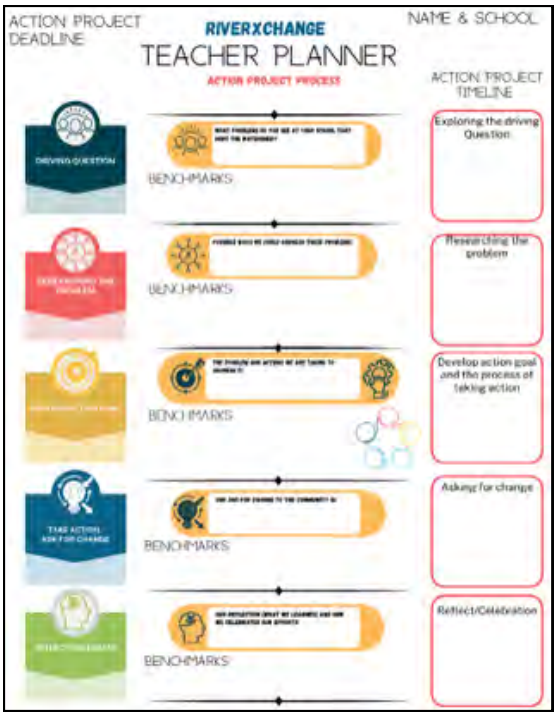
Teachers are an incredibly important part of RiverXchange! Throughout the program they build the bridge between RiverXchange activities and environmental action civics in the classroom while also increasing their own watershed stewardship skills. Each year RiverXchange hosts a teacher workshop in the early fall to help prepare teachers for the program and advance their skills in science, social studies and outdoor learning. This year 30 teachers attended the workshop at the Rio Grande Nature Center where we focused our time on planning for action project implementation. They even did homework beforehand to share what they love about our lands!

The RiverXchange® Action Project is a process by which students and teachers work together to determine an issue of concern, engage with stakeholders, decision-makers and community members to research their issue, and take informed action with the goal of changing or positively influencing a policy or practice to improve an environmental outcome.

5,542 PEOPLE WERE REPORTED TO BE REACHED BY RIVERXCHANGE STUDENTS ACTIONS

Action Project Submissions

27 classes officially submitted their Action Projects and their classes celebrated with pizza or ice cream parties. However, even more teachers reported doing an Action Project in the teacher feedback. Of those who submitted, the projects varied from campus clean-ups with the community, measuring waste, interviewing elders to gain historical knowledge of our land, water conservation campaigns, and public service announcements. In total, **teachers reported reaching 5,542 individuals through their projects**, mostly from school-wide efforts by RiverXchange® students to educate others and change community practices such as littering. To learn more about what each class did, visit **our website** to see their stories!





Enchanted Hills Clean Up 2025

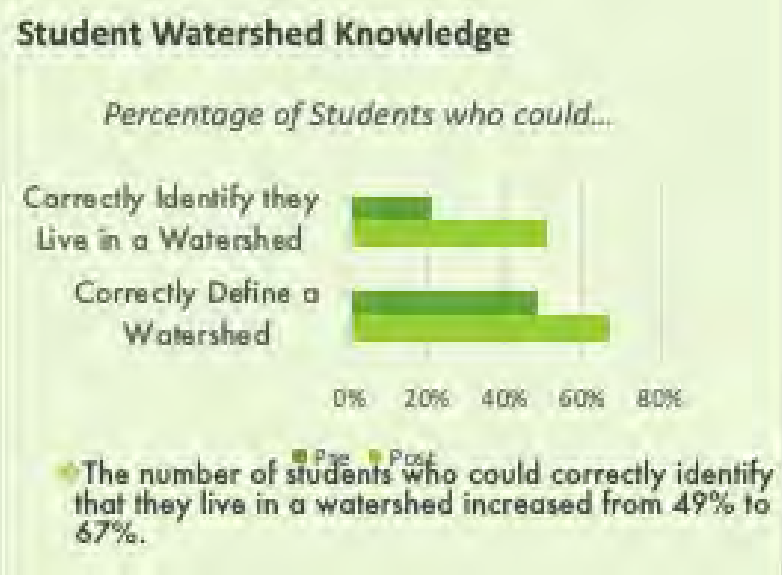
RIVERXCHANGE® EVALUATION

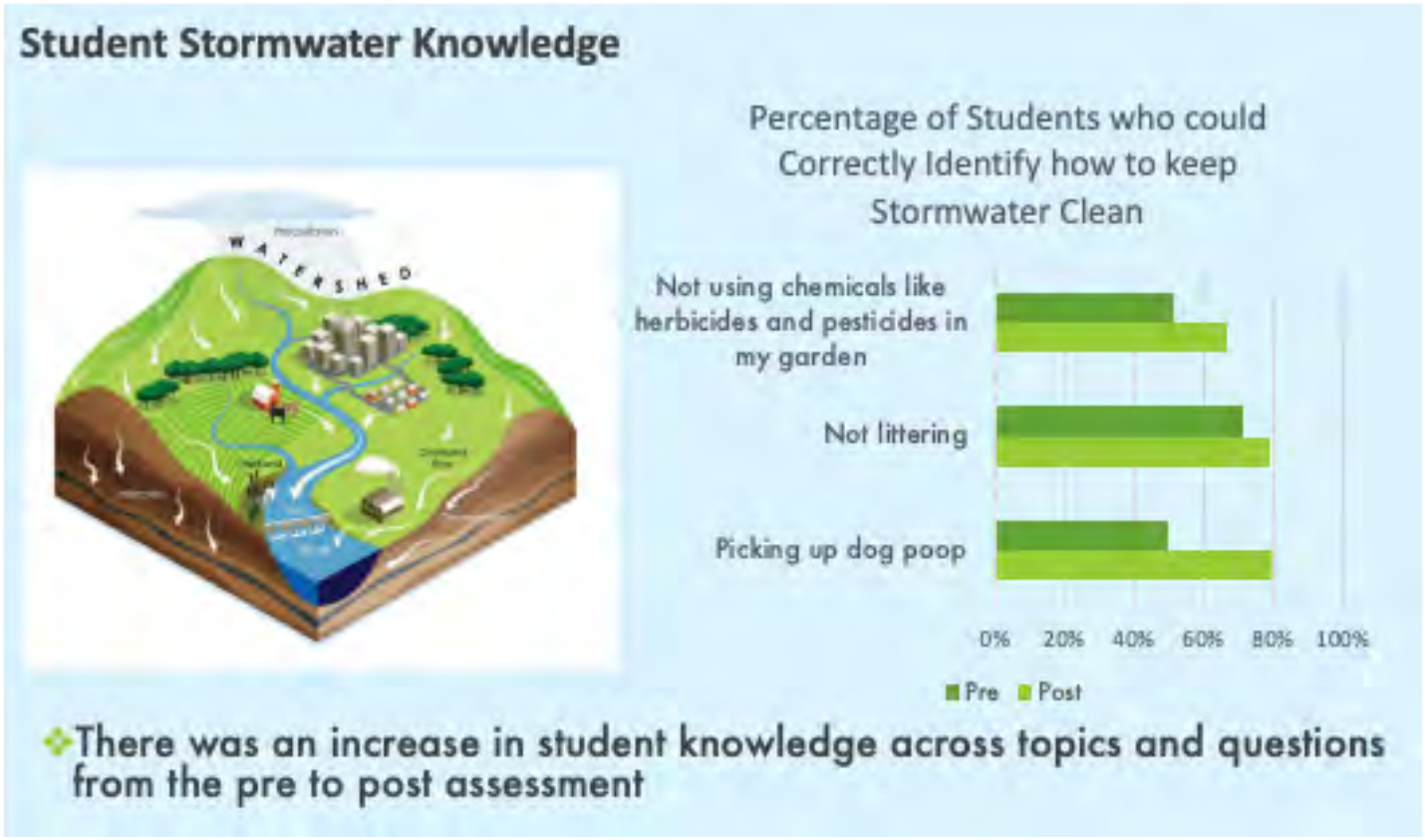
EDUCATION FOR UNDERSTANDING AND PROTECTING WATERSHED HEALTH

- The following is an overview of the evaluation of the 2024-2025 RiverXchange program, including assessing changes in student knowledge and teacher satisfaction.
- There were 801 student responses to the pre-survey from 16 schools and 592 responses to the post-survey.
- There were 31 teacher responses to the survey.
- A full copy of the survey data is available on request.

Overview of Survey Findings:

- There was an increase in student knowledge on MS4 topics
- Students reported to be more confident in their skills related to program content.
- Students reported to a high percentage of interest in protecting the environment through different means.
- Teachers were pleased the with program and want to return





Student Skills



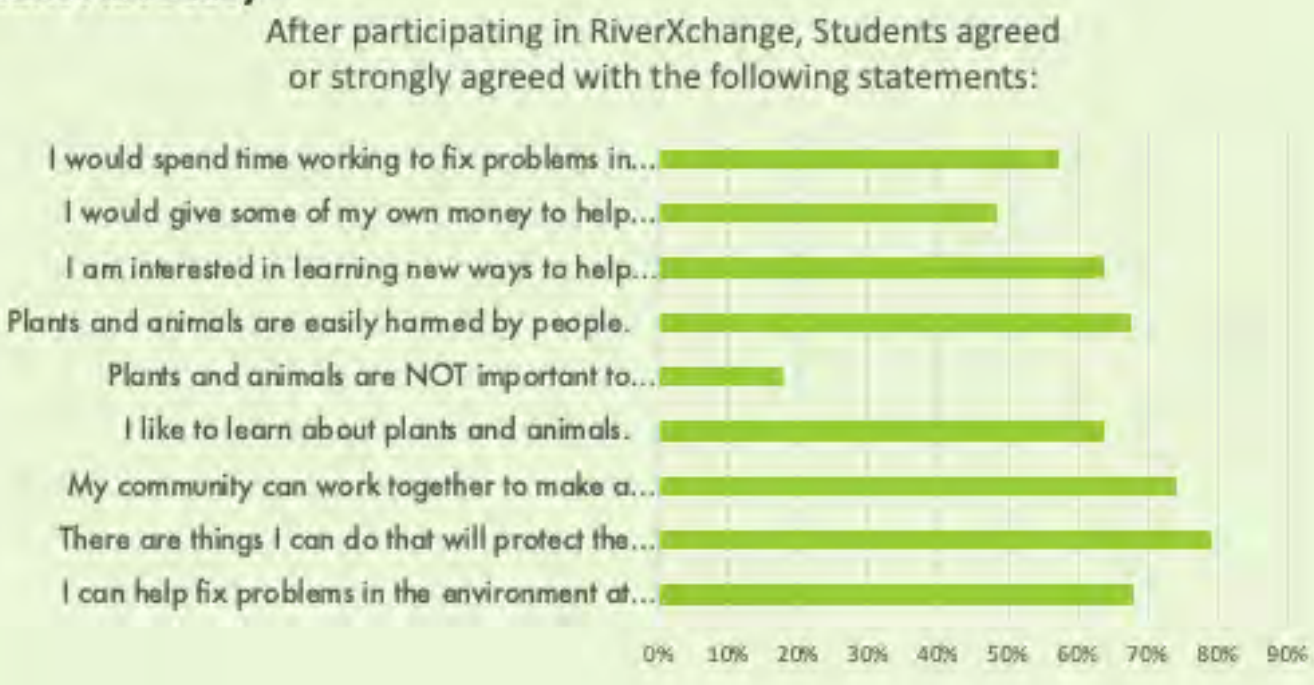
- There was a substantial increase in students' self assessment of their skills across topics.

Field trip drawings:



At the end of their field trip students were asked to draw their favorite part of the day

Student Advocacy



RIVERXCHANGE® EVALUATION

Class Time



- Teachers reported having substantially less time to teach science, social studies, and outside each week than they had predicted in August of 2024.

Teacher Preparation



- All of the teachers who participated in the 2024-2025 school year have indicated they want to participate again in the coming year.

This is what Teachers Told Us...

- "Students were excited to share their knowledge about our river and watershed with our community. As they build their flyers they felt pride of their work."
- "We have one student who struggles with reading and writing who became part of our announcement committee. In years previous he never wanted to read or talk in front of anyone. However, through this process he discovered his voice and read announcements weekly, Reading in front a crowd of about 300 people. Although only audio is broadcast, it is still a huge achievement. We also had a painfully shy young lady who also discovered her voice and is now comfortable, most if the time, speaking out in front of her class and her school. Wow!"
- "I think the biggest thing that this project reinforced for me as a teacher is when students find something they are interested in, passionate about, and have time to work on they will take risks they might not otherwise make. Students this year have gained confidence in their abilities and have learned appropriate ways to be "heard" a gift that will last a lifetime. This time to get them involved is well spent and reaps dividends in the academic and social arenas."
- "When the students were going to share their findings with the community, they make sure to get across what was needed from the public, for example a group of students worked on a commercial and Fundraiser to be able to put the plastic bags to pick up dog poop from parks. They thought this is very important for the community to be aware of this simple task that we could all do. "

Action Project

- Topics classes chose as their Action Project:
  - Food waste
  - Litter
  - Recycling
  - Creating green spaces and habitat
  - Drinking water conservation
  - Protecting the river
  - Environmental education and public service announcements
- Teachers reported feeling prepared to:
  - Explore the driving questions
  - Conduct research with their students
  - **Develop goals with students**
  - **Implement the project**
  - **Ask for change**
- Teachers felt less confident reaching out to experts in the field
- Teachers report that approximately 55 students, teachers, and other community members were impacted by the action project across all of our school sites



Thinking about Next Steps

When asked for their feedback, teachers shared insights to help make RiverXchange more meaningful and effective for our students.

- "One way to reduce barriers is by providing more flexible scheduling options and advance notice for key events, which would help educators plan around academic calendars and testing periods. Offering virtual participation alternatives or asynchronous content could also support schools with transportation or staffing limitations."
- "I think you do an awesome job understanding all of the different requirements of every school. You might want to consider doing some outreach and education to school principals, so they get a better idea of the program and its value to the classroom."
- "Finally, creating a peer network or mentorship program for new participants could encourage more educators to get involved by learning from others' experiences and successes."

When asked about their greatest needs teachers prioritized:

- Wanting additional support and time from Ciudad SWCD education staff
- Financial support for action projects, to help offset costs
- Providing additional materials in kits for classrooms

Southern Sandoval Country Arroyo Flood Control Authority

ARROYO CLASSROOM AND WATERSHED STEWARDS

FY2025 Final Report

Education & Outreach

MS4 Permit Compliance

COMPLETED BY:
CIUDAD SOIL AND WATER CONSERVATION DISTRICT

JULY 2024-JUNE 2025

ARROYO CLASSROOM 2024-2025

LOCAL WILDLIFE, HABITAT & ARROYO EDUCATION

Executive Summary

During the 2024-2025 school year, Arroyo Classroom served **757 3rd grade students** and **36 teachers** across **7 schools** in Rio Rancho, 5 of which were Title I schools. Each student engaged in 4.5 hours of programming provided by Ciudad SWCD staff and contractors. SSCAFCA committed to a total of $32,340.00 in cash for program coordination and delivery and a contract with Hawks Aloft Inc. for live wildlife presentations. Within the curriculum, all 757 students engaged with grade level appropriate lessons that covered the following required MS4 topics:



757
Students total



MS4 TOPICS

- PET WASTE MANAGEMENT
- PROPER DISPOSAL OF OIL, HOUSEHOLD HAZARDOUS WASTE
- PROPER DISPOSAL OF PESTICIDES, HERBICIDES AND FERTILIZERS
- IMPAIRED WATERS IN THE CITY/STATE
- WATERSHED MANAGEMENT

4 activities per classroom, 140 presentations



Arroyo Walk & Build A Watershed

To increase student time outside exploring the arroyo, the field trip was extended this year to 2.5 hours and combined the arroyo habitat and adaptation lessons with a new “Build A Watershed” activity. This newer lesson has students construct the Sandias, Rio Grande and West Mesa in the sand and see what happens when it rains and when pollution is present.





Local Birds, & Reptiles and Arthropods.

Hawks Aloft Incorporated continued their visits to schools with live educational birds this year. These presentations allow students to see wild life up close while learning about each birds story. Ciudad staff, Theresa Aragon, continued to bring turtles and her arthropod collection to teach about who our wildlife neighbors are, even if we can’t always see them.



ARROYO CLASSROOM 2024-2025

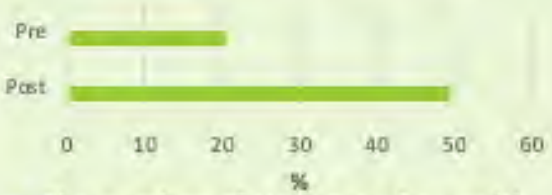
EVALUATION

- The Arroyo Classroom program promotes safety and awareness of natural arroyos. As part of the educational standards, Ciudad SWCD educates students about habitats around their schools and neighborhoods and the animals that make their homes in arroyos. Students learn that simple activities can have a direct impact on arroyo health and water quality.
- The following is an overview of the evaluation of the Arroyo Classroom in the 2024-2025 school year. There were 582 student responses to the pre-survey from seven schools and 588 responses to the post-survey. 20 teachers responded to the feedback survey.
- We wanted to understand if there was a positive change in knowledge about arroyo health and safety, watersheds, and deserts. We were curious to learn about students' attitudes about nature. Finally, we wanted to hear how teachers felt the program met their objectives in the classroom.
- A full copy of the survey data is available on request.

Overview of Survey Findings

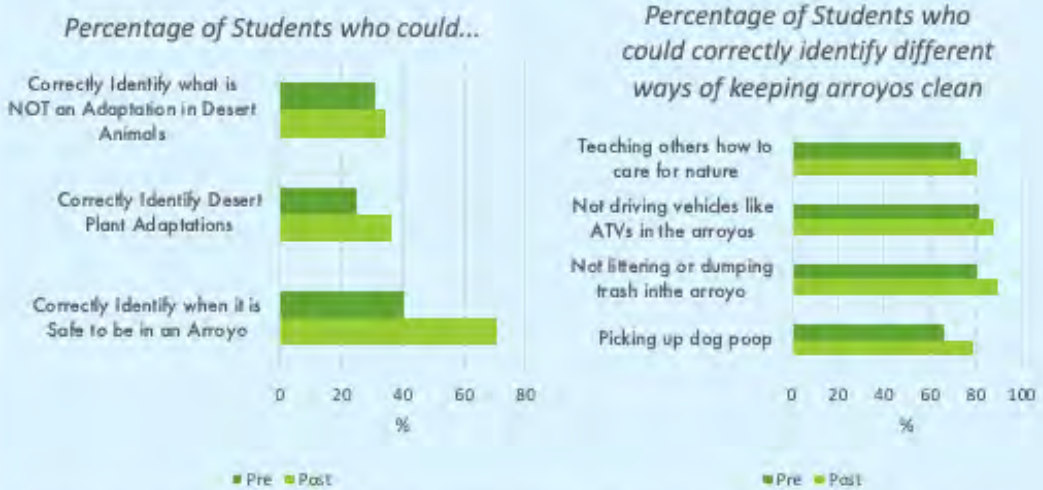
- After participating in the Arroyo Classroom activities, there was an increase in participant knowledge about arroyos, watersheds, and deserts.
- Students indicated positive feelings about nature and the environment, including indicating an interest in learning about plants and animals.
- Teachers were overwhelmingly positive about the program, and they all indicated they would want to participate again.

Students' Watershed Knowledge



- The number of students who could correctly identify a watershed increased from 20.6% to 49.3%.

Students' Arroyo and Desert Knowledge:



- There was an increase in knowledge across topics and questions related to arroyo health

ARROYO CLASSROOM 2024-2025

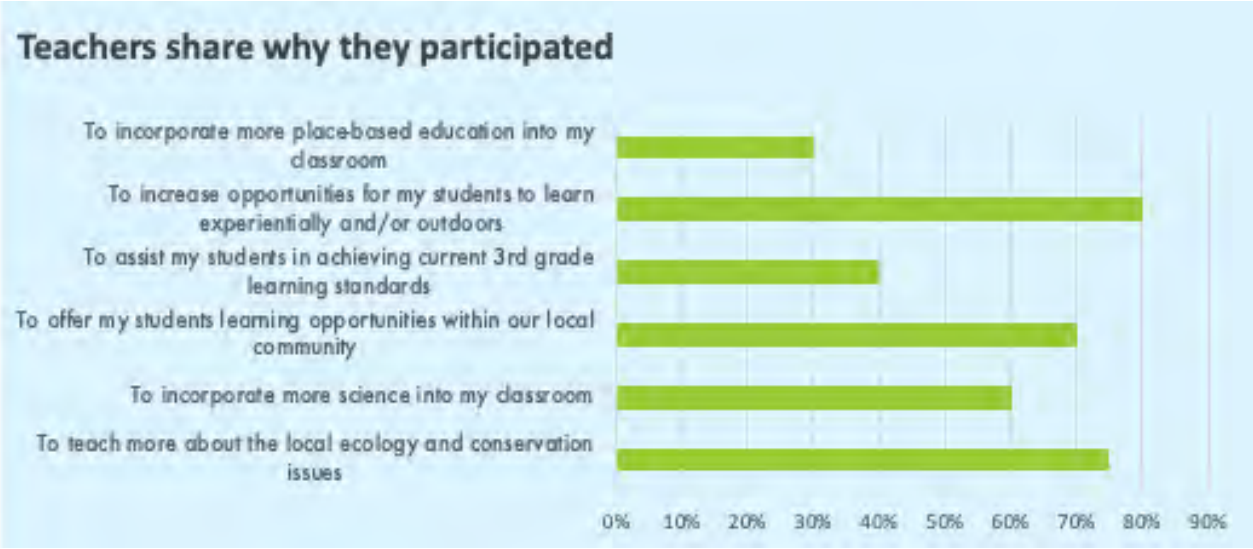
EVALUATION



What teachers had to say...

- "Students learned more about their local communities and how to help out. They are more aware of their surroundings and how to preserve nearby areas."
- "The kids loved getting to know more about the environment they live in and being outdoors."
- "For the students to be able to understand and appreciate our unique and natural environment. We were able to refer back to the lesson during future science lessons and social studies about explorers and native peoples in this area."

All of the teachers who participated in the 2024-2025 school year have indicated they want to participate again in the coming year.



Watershed Stewards

CONSERVATION EDUCATION FOR ADULTS AND SENIORS

2024-2025



EXECUTIVE SUMMARY

During the 2025 fiscal year, the Watershed Stewards program engaged 344 community members in education and outreach opportunities across 12 events. 10 residences were certified as an ABQ Backyard Refuge this year through program participation, for a total of 22 certifications over two years. SSCAFCA committed a total of $22,632.50 to Ciudad SWCD for the delivery of the program. Ciudad SWCD partnered with Keep Rio Rancho Beautiful, Sandoval County Master Naturalists, and ABQ Backyard Refuge to deliver high quality educational experiences to the community. Thanks to wonderful support by library staff, the program was largely held at City of Rio Rancho Libraries (Esther Bone and Loma Colorado).

Rio Rancho
Keep Rio Rancho Beautiful
KEEP AMERICA BEAUTIFUL AFFILIATE

ABQ Backyard Refuge Program

344 PARTICIPANTS

10 certified backyard wildlife refuges in Rio Rancho

PROGRAM OBJECTIVES & DELIVERABLES

The Watershed Stewards program unites conservation partners and resource networks with SSCAFCAs constituents to educate them about our local environment and how to protect it. Partnering with ABQ Backyard Refuge provides an anchor for residents to learn about how to implement voluntary conservation practices at home. Throughout the program we were able to provide a diverse set of learning opportunities with a clear goal; promote awareness of MS4 topics, provide resources and opportunities to implement conservation practices at home that benefit the watershed, and increase ABQ Backyard Refuge certifications within SSCAFCA's boundaries.

BOSQUE WALK AND TALK (FALL)

Participants learned about local ecology to understand wildlife habitat needs with Joran Viers, Dyane Sonier & Laurel Ladwig.

BACKYARD EXPO (FALL)

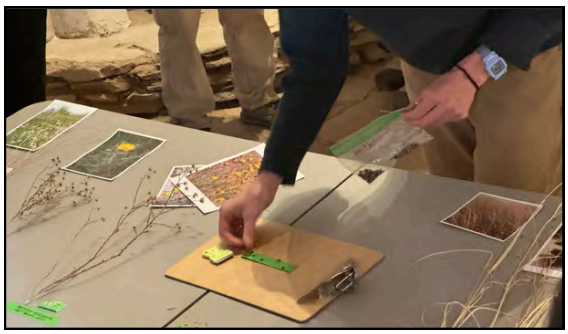
Ciudad SWCD, ABQ Backyard Refuge and Keep Rio Rancho Beautiful held a conservation resource fair with presentations, partner tabling and a special appearance by the Pollination Station by the Conservation Carnivale.

OTHER EVENTS (SPRING)

- Garden Expo at Loma Colorado
- Seed Saving Workshop at Casa San Ysidro
- Wildlife Friendly Spring Garden Clean up at Bernalillo Community Museum







Watershed Stewards

CONSERVATION EDUCATION FOR ADULTS AND SENIORS

2024-2025



BACKYARD STEWARDSHIP SERIES (SPRING)

The Backyard Stewardship Series hosted 4 classes at Esther Bone and the nearby Rio Rancho Water Wise Garden. Participants received useful giveaways from partners like irrigation tools and systems!













CREATING YOUR BACKYARD REFUGE WORKSHOP (SPRING)

25 participants attended this 2 hour workshop to work get direct instruction from landscape design experts Hunter Ten Broeck, Rachel Chandler, Corva Rose and Rae Bennu. Participants worked in groups based on their needs (i.e. starting from scratch, working with established trees, etc). 3 participants even certified their spaces as Backyard Refuges on site!

RESIDENTIAL RAINWATER HARVESTING INSTALLATION PROGRAM

This year, SSCAFCA contributed funding through the Watershed Stewardship program to help advance Ciudad SWCDs pilot Residential Rainwater Harvesting Installation Program (RRHIP). The RRHIP is being developed in partnership with Bernalillo County's Water Conservation Department and the Arid Low Impact Development Coalition's Residential Education and Outreach working group. This program installs rainwater harvesting features on residential property through hands-on workshops with the public.

Corrales Classic Farm Project

Phase 1: Site Assessment and planning with landowners at Corrales Classic Farms in the fall.



Phase 2: Installation workshop with Sandoval County Master Gardeners. 16 attendees help dig out the basin and plant native plants. Winter 2025.



Phase 3: Demonstrate to over 100 visitors the benefits and practices of rainwater harvesting at the Corrales Garden Tour, May 17, 2025. Master Gardeners who took part in the workshop also helped give tours to the public to share what they learned!



2024-2025
CIUDAD SOIL & WATER CONSERVATION DISTRICT
EDUCATION & OUTREACH PROGRAMS

The Ciudad Soil and Water Conservation District, a political subdivision of the state of New Mexico, promotes the conservation, improvement and responsible use of the natural resources on the rural and urban lands within its boundaries. Each fiscal year, Ciudad SWCD seeks grant funding to support it's mission through education and outreach programs and projects. In addition to its funding agreements with MRGSQT and SSCAFCA, the Ciudad SWCD contributed to protecting watershed health through the following programs.

Residential Rainwater Harvesting Installation Program (RRHIP)

- Additional funding provided by Bernalillo County Water Conservation Department for a project in the International District of Albuquerque.
- Objective: Increase education and outreach on rainwater harvesting practices through hands-on workshops that increase rainwater features throughout Ciudad's district.
- Results: 2 total RRHIP workshops held with **30** participants and 5 rainwater harvesting features installed.





Rolling River & Enviroscape

- Funding provided by intergovernmental agreements with City of Albuquerque Open Space and Bernalillo County Open Space, Explora and the Urban Waters Partnership.
- Objective: The Rolling River is a mobile trailor-sized model of a watershed that demonstrates MS4 topics to the public at school, community and other public events. The enviroscape is a similar model that is hard shelled and smaller, focusing on non-point source pollution concerns and solutions.
- Results: over **1,125** interactions on MS4 topics







ACKNOWLEDGEMENTS

Ciudad SWCD acknowledges the important contributions of the following organizations, municipalities and individuals who supported the outreach completed this year. Without these partnerships, we could not do what we do so effectively. We are endlessly grateful for our communities' support to educate about, and protect the Middle Rio Grande Watershed.

Middle Rio Grande Stormwater Quality Team
Southern Sandoval County Arroyo Flood Control Authority
City of Albuquerque Open Space Division
Bernalillo County Open Space Division
Bernalillo County Natural Resource Services
City of Rio Rancho Parks, Recreation and Community Services
Keep Rio Rancho Beautiful
City of Rio Rancho Utilities Department
Albuquerque Bernalillo County Water Utility Authority
Sandia National Laboratories
Hawks Aloft Inc.
BEMP
Sandoval County Master Gardeners
Steve Glass, Ciudad SWCD Board Chair
Dyane Sonier, KRRB
Nick Dahl, KRRB
Laurel Ladwig, Albuquerque Backyard Refuge Program
Debby Knotts, Albuquerque Backyard Refuge Program
Sam Thompson, Sandoval County Master Gardeners
Shelby Stimson, Arid LID Coalition
Cameron Weber, Rio Grande Return
Bette Allen, Therapeutic Landscape Design LLC
Hunter Ten Broeck, WaterWise Landscapes Inc.
Rachel Chandler, Nature By Design LLC
Joran Viers, JVHC Inc.
Mikal Deese, On a Wing and A Prayer
Corva Rose, Tree School NM
Rae Bennu, LOBO Gardens

Ciudad SWCD Contacts

EDUCATION TEAM

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theresa@ciudadswcd.org

thank you!



CIUDAD SOIL & WATER CONSERVATION DISTRICT
PO BOX PO Box 93463, Albuquerque, NM 87199

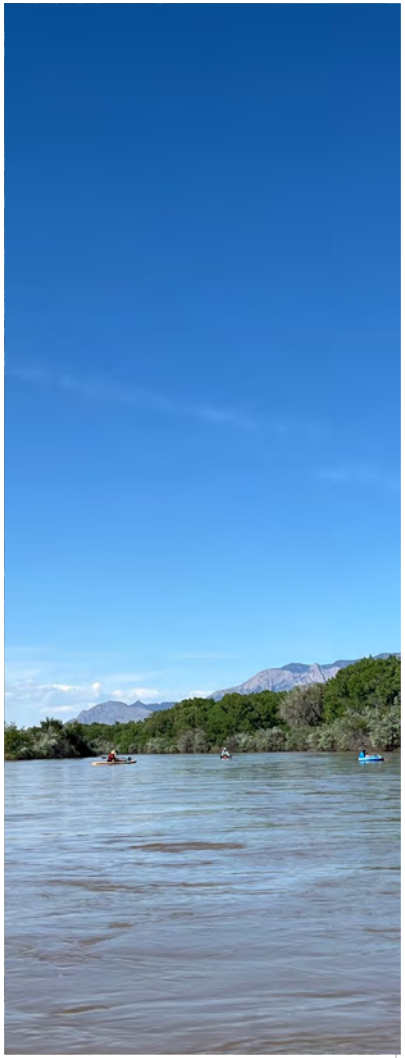
BEMP Stormwater Science 2024–2024

Mid Rio Grande Stormwater Quality Team

Outcomes Report Fiscal Year July 1, 2024 to June 30, 2025 • Presented by SUNNY505







2024 - 2025 STORMWATER SCIENCE

BEMP • Zoe Wadkins Daniels
Education Director

Mid Rio Grande Stormwater Quality Team

BEMP
Bosque Ecosystem Monitoring Program

BEMP made science understandable, and the curriculum was immediately relevant to my students (and me!) … It was lovely to see how well our land and water are being stewarded and valued, hidden right in plain sight in the middle of the city… we definitely learned to appreciate the beauty of the Bosque and the diligent work it takes to maintain and protect an entire ecosystem. – Teacher; Amy Biehl High School







5,865 students.
40 schools and community organizations.
Over 212 hours of education.

In-person & Synchronous Learning

2,305 students







Monthly Monitoring





Study Trips









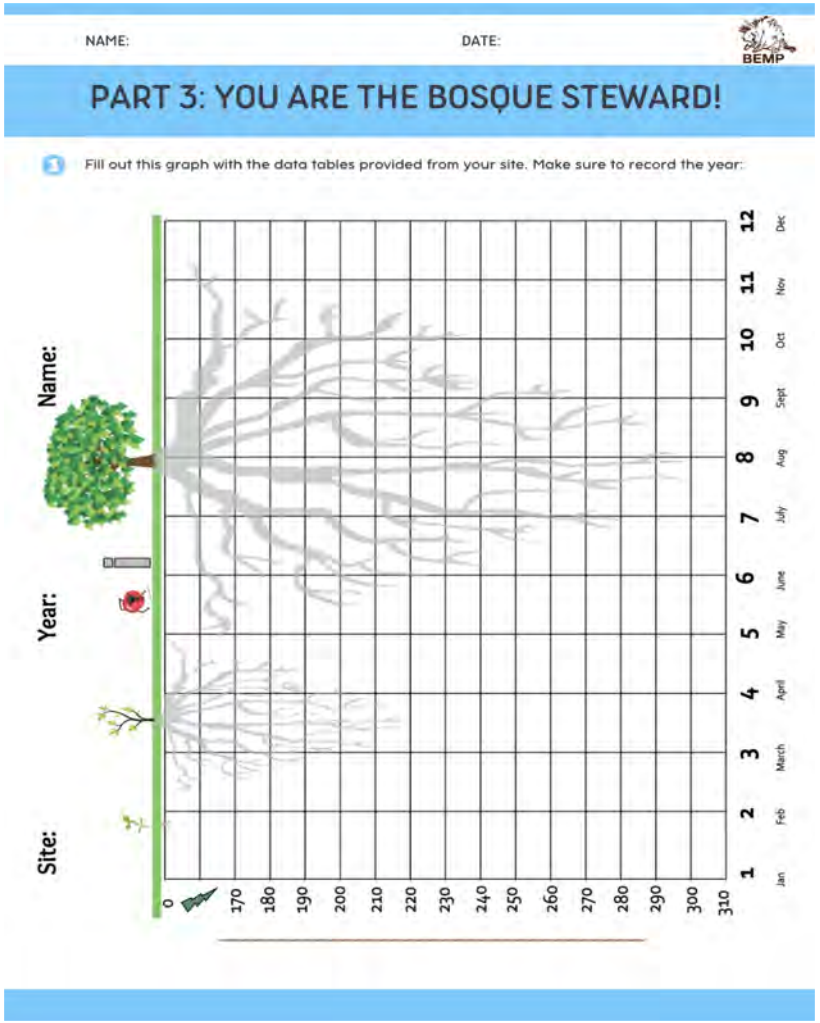
Summer Learning Support

Horizons ABQ + Project Feed the Hood + Youth Agricultural Cooperative



New Lessons

7th grade program



NAME: DATE:

BEMP

PART 3: YOU ARE THE BOSQUE STEWARD!

1 Fill out this graph with the data tables provided from your site. Make sure to record the year:

Name:

Year:

Site:

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

Jan Feb March April May June July Aug Sept Oct Nov Dec

0 170 180 190 200 210 220 230 240 250 260 270 280 290 300 310

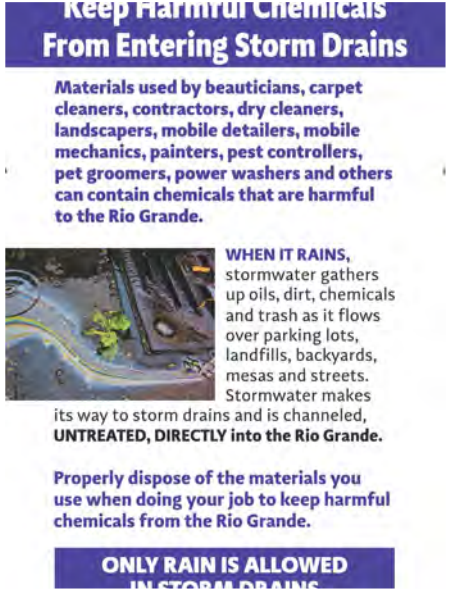


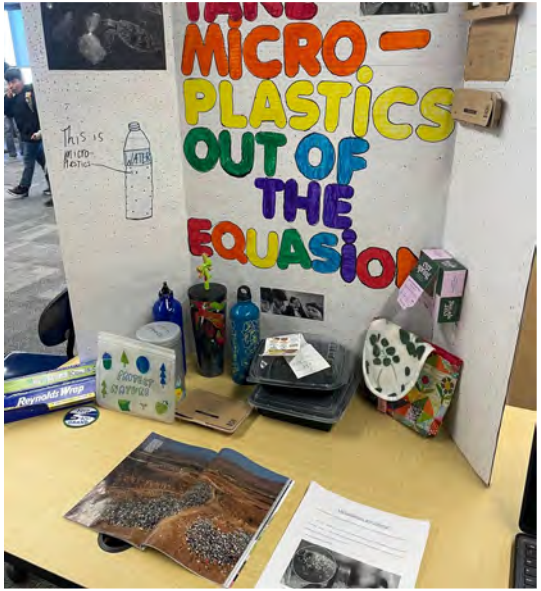


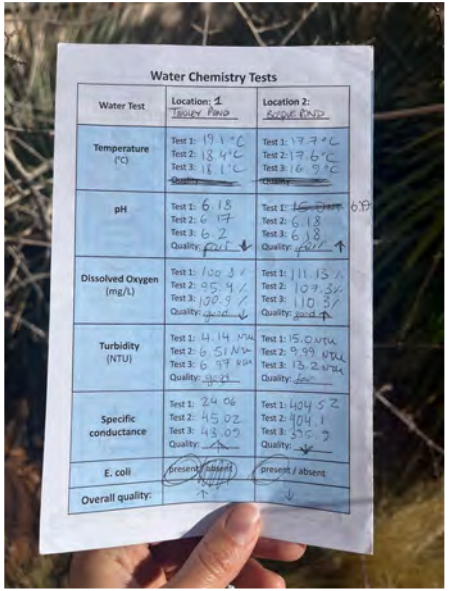


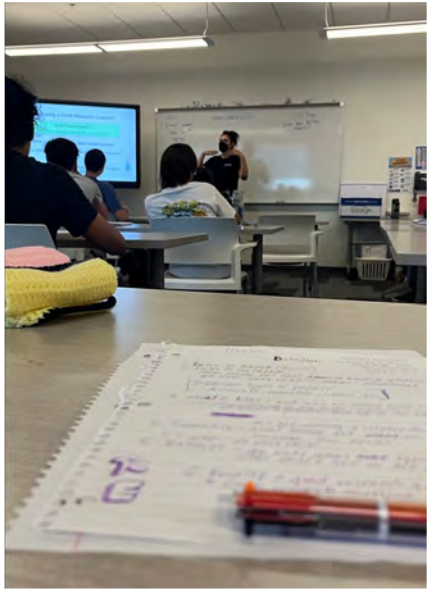
Events

Crawford Symposium, Luquillo Sevilleta LTER Symposium, Children's Water Festival







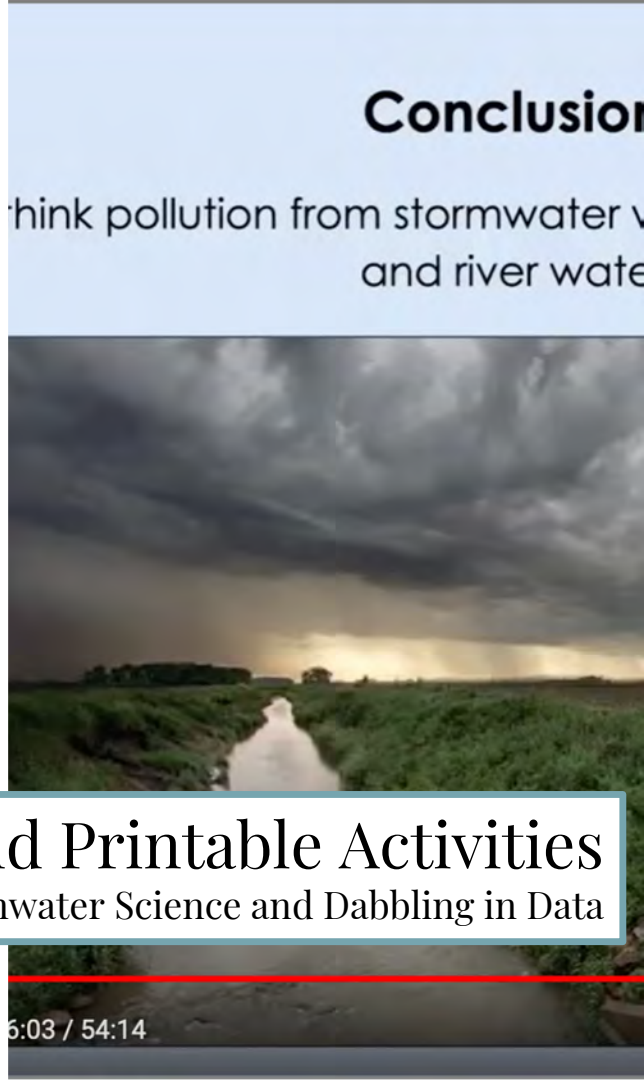


Asynchronous Learning

3,560 students served; 68,824 online contacts made







Virtual Lessons and Printable Activities

Stormwater Science and Dabbling in Data

Social Media and Youtube Videos

Background Information

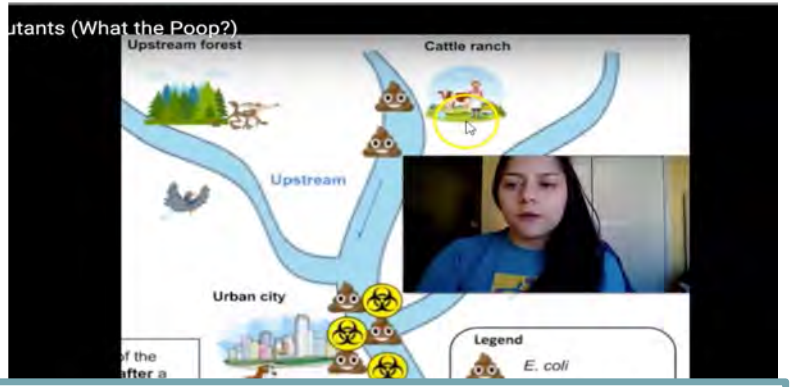
For this project we did tap water vs stormwater and how it affects the plants. We decided to do this because we were curious on how the plants Would react to stormwater, and if it will drastically change how to plant grows.

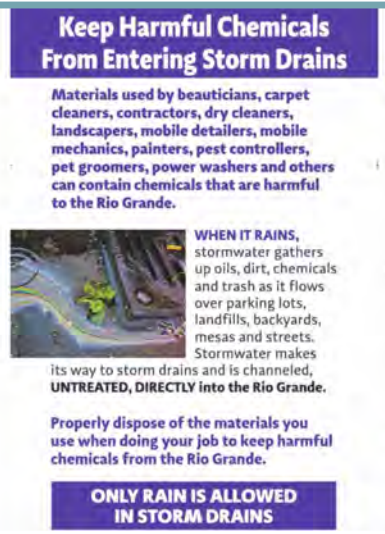


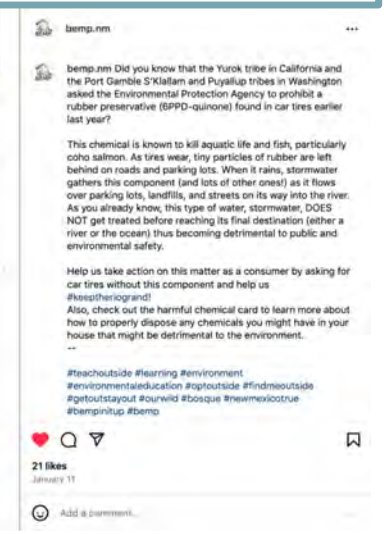
Para este proyecto analizamos el agua del grifo versus el agua de lluvia y

plantas al agua de lluvia y si cambiaría drásticamente la forma de crecer las plantas.









Watershed Education Collaboration Group



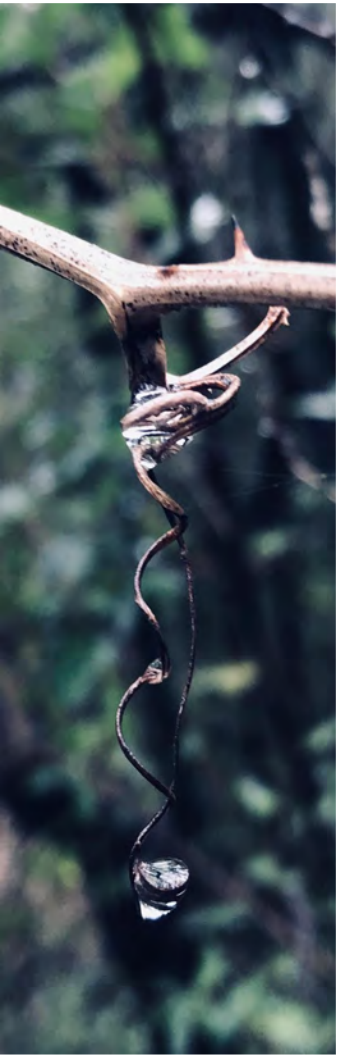




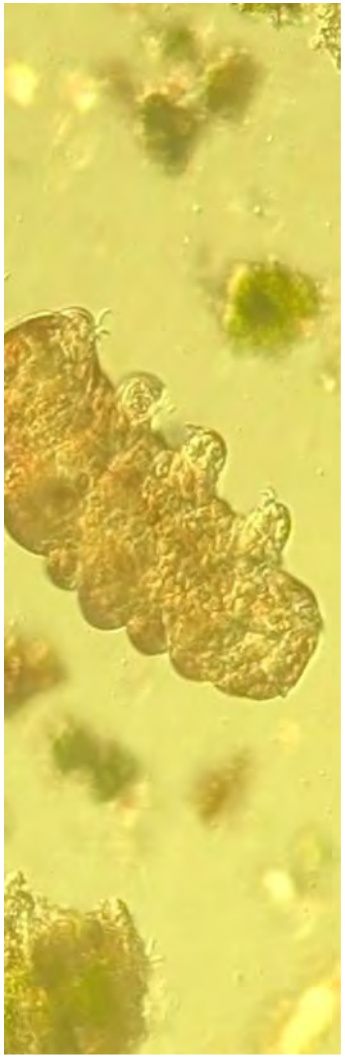
Connect our community by providing equitable access to watershed health *principles* and *education* by increasing awareness, scaffolding student learning and creating meaningful experiences to inspire a future generation.











Future movement at BEMP 2025-2026:

Strengthen **relationships** with Title I schools.

Diversify in-person **learning experiences** to emphasize our stormwater science work.

Expand on **Stormwater Science concepts** during our Monthly Monitoring collections.

Reinforce Stormwater Science concepts to other lessons, especially our 7th grade program.

Emphasize **community science** and **stewardship** components through collaboration with other organizations.

Strengthen **collaborations** with other organizations, reinforcing a water focus.





THANK YOU!



BEMP PROPOSED BUDGET for FY25-26

Partial funding of BEMP Educator/Biologist staff (curriculum development, prep, program delivery in classroom, field, summer, and monthly monitoring)	**$25,500**
Partial funding of BEMP Education Manager staff for program oversight education outreach events (planning and coordination)	**$3,240**
Transportation costs for student participation in field study trips and outreach events, including translation costs & expenses for virtual materials	**$4,500**
Program materials (e.g., water testing kits, printing, poster boards)	**$500**
Administrative overhead costs at 18% of above total	**$6,073.2**

TOTAL · $39,813.2

Middle Rio Grande Stormwater Quality Team Final Report prepared by the Bosque Ecosystem Monitoring Program

MAY 30, 2025

1

1.1 EDUCATION OVERVIEW

The Bosque Ecosystem Monitoring Program (BEMP) continues to deliver robust environmental science education to students and communities throughout the Middle Rio Grande Valley with a continually growing focus on stormwater science. In 2024–2025, BEMP strengthened its programming to help students and communities understand how urban runoff, water quality, and river health intersect in New Mexico's Middle Rio Grande Valley. While maintaining strong partnerships with local schools, BEMP education engaged students in long-term ecological monitoring of New Mexico's riparian bosque ecosystem, placing increased emphasis on how stormwater influences soil, vegetation, and wildlife dynamics.

Despite ongoing challenges in the educational sphere with schools, like funding for outdoor education transportation, BEMP remains a vital resource, providing consistent, standards-aligned science programming that promotes field-based inquiry and ecological literacy. Our efforts reached students and teachers through in-person, virtual, and asynchronous learning — always grounded in meaningful, place-based science.

Our stormwater specific educational reach highlights for 2024 include:

- Total participants served: 5,865 students
- Counties served: 4 (Bernalillo, Socorro, Valencia, and Sandoval)
- Schools and educational groups served: 40
- In-person classroom visits: 34
- In-person bosque field study trips: 25
- Student and adult contacts through outreach events: 1,000

2

2.1 STORMWATER SCIENCE EDUCATION

2.1.1 *Synchronous Stormwater Science.*

In 2024–2025, BEMP centered stormwater science as a key theme in both in-class and field-based instruction. Students analyzed runoff patterns, tested water quality parameters, and explored how stormwater infrastructure — including arroyos, storm drains, and outfalls — affect river ecosystems.

Our place-based curriculum helped students connect observations of water movement with real-world science, highlighting the relationship between land use and water quality. Whether measuring turbidity in stormwater samples or observing urban runoff, students gained insight into the hidden journey of water across landscapes.

BEMP's curriculum aligns with New Mexico STEM Ready! Science Standards and provides hands-on opportunities for students to investigate environmental systems — with a spotlight on stormwater impacts. Learning experiences include:

- Tracking pollutants carried by stormwater into the Rio Grande
- Testing physical and chemical parameters like pH, temperature, and conductivity
- Surveying for litter and pollution sources, and how rainfall events shape sediment transport

2.1.2 *Asynchronous Stormwater Science.*

BEMP continued to offer asynchronous resources that supported stormwater education, including videos on community pollution runoff and self-led resources like data interpretation guides and historical water level data of monitoring locations.

Our social media platforms shared student stories, field data snapshots, and watershed-focused lessons, broadening awareness of how stormwater connects to ecological integrity and climate resilience.

Virtual Lessons – We continue to offer remote lessons with stormwater science content; concepts include groundwater datasets: what it is, how it is measured and why it is important;

watershed models before and after storm events; environmental justice in downstream communities and stewardship components. These lessons are remote, multi-part, asynchronous lessons offered through Edpuzzle, an interactive video lesson platform.

Self-directed Printable Activities – BEMP continues to distribute self-led, printable activities to help students and their families explore their yards, neighborhoods and public lands while also collecting their own data. Subject examples include stormwater pollution sources and watershed heath via the observation of trash accumulation. All activities created have been translated in both English and Spanish and have been uploaded to our website for increased accessibility. Educational resources can be found here.

Social media – BEMP continues to increase its presence on social media channels. Growing in significance as a method of interacting with the community, BEMP staff highlight ecological findings, time in the field, educational activities, and resources from partners every day of the week. Stormwater science related concepts are consistently presented in Water Wednesday posts including topics such as educational resources from RiverXchange, evidence of water pollution and its effect on wildlife, aquatic invertebrate populations and water health, and stewardship opportunities to reduce impacts on water quality and consumption habits. All materials are provided in English and Spanish.

YouTube channel activity videos – BEMP's YouTube channel contains videos of our events as well as instructional videos that supplement activities to help guide students through their lessons. Those videos can be found on our YouTube channel, BEMP (Bosque Ecosystem Monitoring Program).

2.1.3 *Student Research and Leadership.*

This year's Annual Student Research Symposiums, the Crawford Symposium and Luquillo-Sevilleta LTER Symposium, featured numerous stormwater-related investigations. Projects examined topics such as:

- Differences in water quality upstream and downstream of stormwater outfalls
- Quantities of nonpoint source pollution in community parks and neighborhoods
- Community-based solutions for reducing pollution entering the bosque

By exploring these issues, students developed scientific reasoning, presented original findings, and proposed actionable solutions to water-related challenges in their communities.

We also brought stormwater science to wider audiences through 15 community outreach events. Among other activities, participants explored macroinvertebrates, point and nonpoint source pollution, and the journey of a raindrop from pavement to river, learning how everyday actions — like picking up litter or planting native vegetation — can protect the Rio Grande.

2.1.4 *Watershed Education Collaboration Group.*

BEMP's stormwater science work was strengthened by collaborative relationships with schools, municipalities, tribal partners, and environmental organizations. These partnerships allowed us to expand our reach while anchoring lessons in local relevance. Primary among these partnerships is our ongoing collaboration with Ciudad Soil and Water Conservation District. Our collaborative focus continues to emphasize bolstering student exposure to and awareness of water and watersheds in New Mexico.

BEMP support from the EPA included a substantial subaward process alongside its city-wide 7th Grade Programming initiative. As such, BEMP elected to designate both Ciudad Soil and Water Conservation District and Valencia Soil and Water Conservation District recipients of subaward funds. As such, collaboration has focused on the coordination and design of use of funds, focusing around the subject of water, water conservation, and watersheds.

Students from La Mesa Elementary School, participating in Ciudad educational programming, joined BEMP in Phenology Study Trips to learn about phenological changes, collect community science data, and serve as a medium to share how each organization conserves the bosque.

Moving forward, we would like to return to previous discussions of building a K-12+ water curriculum that scaffolds student learning about stormwater and water related concepts, and where each of our organizations educational programming best fits within student's experience. Our collective aim is to offer continuous exposure to stormwater and water quality subjects throughout each grade level while improving New Mexican youth's accessibility to these subjects.

2.1.5 *Conclusion.*

As stormwater issues become increasingly urgent in the face of climate change and urbanization, BEMP will continue to elevate this theme across all programs. We remain committed to helping young people understand their role as stewards of water and land — and to fostering a generation of scientists, educators, and changemakers ready to meet the challenges ahead.

We thank our funders and partners for supporting this work and for believing in the power of stormwater science to inspire informed, engaged, and empowered learners.

3

3.1 OUTREACH NUMBERS

3.1.1 *Table(s) of Educational and Indirect outreach numbers for FY 24-25*

Education and Curriculum - Stormwater Specific

	Synchronous	**Asynchronous**		**Events**	**Total**
		Virtual Lessons	**1-page Activities**		
Students	1,702	1,622	1,938	603	**5,865**
Adults**	211	N/A	N/A	397	610*
Total (Including Adult Contacts)	1,895	1,622	1,938	1,000	6,475*

* Adult contacts not included in total contacts reported

Social Media

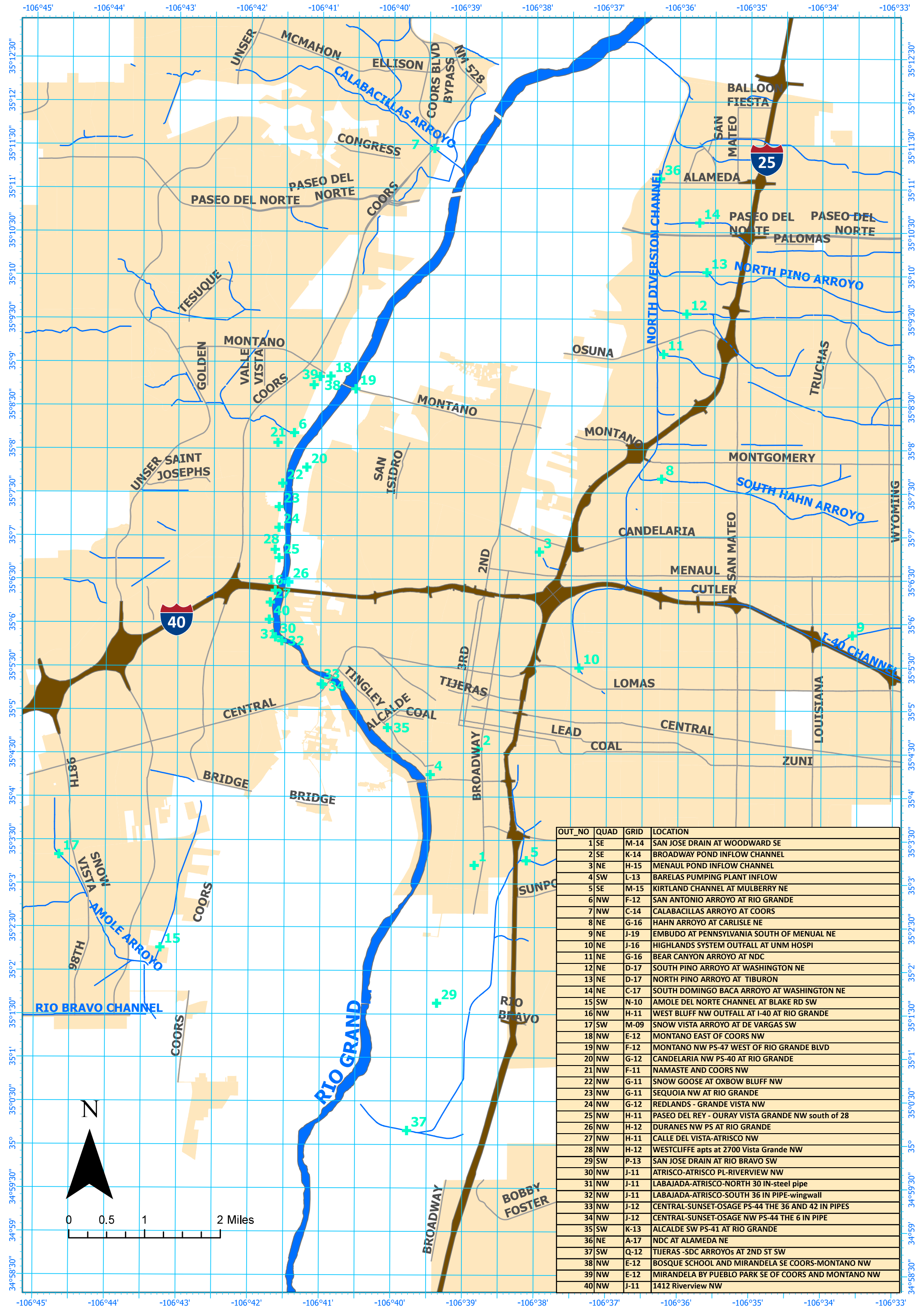
	Reaches	**Engagements**	**Views**	**Total**
Instagram	26,946	2,890	N/A	29,836
Facebook	32,570	2,290	N/A	34,860
Youtube	N/A	N/A	4,128	4,128
Total	59,516	5,180	4,128	**68,824**

The End

Summary of AMAFCA's MS4
Dry Weather Discharge Screening Program
FY 2025 (July 1, 2024 - June 30, 2025)

NPDES Permit No. NMR04A000
Part III.A.2 - Dry Weather Discharge Screening of MS4

Dry Weather Screening of Outfalls 2025 Report



OUT_NO	QUAD	GRID	LOCATION
1	SE	M-14	SAN JOSE DRAIN AT WOODWARD SE
2	SE	K-14	BROADWAY POND INFLOW CHANNEL
3	NE	H-15	MENAUL POND INFLOW CHANNEL
4	SW	L-13	BARELAS PUMPING PLANT INFLOW
5	SE	M-15	KIRTLAND CHANNEL AT MULBERRY NE
6	NW	F-12	SAN ANTONIO ARROYO AT RIO GRANDE
7	NW	C-14	CALABACILLAS ARROYO AT COORS
8	NE	G-16	HAHN ARROYO AT CARLISLE NE
9	NE	J-19	EMBUDO AT PENNSYLVANIA SOUTH OF MENUAL NE
10	NE	J-16	HIGHLANDS SYSTEM OUTFALL AT UNM HOSPI
11	NE	G-16	BEAR CANYON ARROYO AT NDC
12	NE	D-17	SOUTH PINO ARROYO AT WASHINGTON NE
13	NE	D-17	NORTH PINO ARROYO AT TIBURON
14	NE	C-17	SOUTH DOMINGO BACA ARROYO AT WASHINGTON NE
15	SW	N-10	AMOLE DEL NORTE CHANNEL AT BLAKE RD SW
16	NW	H-11	WEST BLUFF NW OUTFALL AT I-40 AT RIO GRANDE
17	SW	M-09	SNOW VISTA ARROYO AT DE VARGAS SW
18	NW	E-12	MONTANO EAST OF COORS NW
19	NW	F-12	MONTANO NW PS-47 WEST OF RIO GRANDE BLVD
20	NW	G-12	CANDELARIA NW PS-40 AT RIO GRANDE
21	NW	F-11	NAMASTE AND COORS NW
22	NW	G-11	SNOW GOOSE AT OXBOW BLUFF NW
23	NW	G-11	SEQUOIA NW AT RIO GRANDE
24	NW	G-12	REDLANDS - GRANDE VISTA NW
25	NW	H-11	PASEO DEL REY - OURAY VISTA GRANDE NW south of 28
26	NW	H-12	DURANES NW PS AT RIO GRANDE
27	NW	H-11	CALLE DEL VISTA-ATRISCO NW
28	NW	H-12	WESTCLIFFE apts at 2700 Vista Grande NW
29	SW	P-13	SAN JOSE DRAIN AT RIO BRAVO SW
30	NW	J-11	ATRISCO-ATRISCO PL-RIVERVIEW NW
31	NW	J-11	LABAJADA-ATRISCO-NORTH 30 IN-steel pipe
32	NW	J-11	LABAJADA-ATRISCO-SOUTH 36 IN PIPE-wingwall
33	NW	J-12	CENTRAL-SUNSET-OSAGE PS-44 THE 36 AND 42 IN PIPES
34	NW	J-12	CENTRAL-SUNSET-OSAGE NW PS-44 THE 6 IN PIPE
35	SW	K-13	ALCALDE SW PS-41 AT RIO GRANDE
36	NE	A-17	NDC AT ALAMEDA NE
37	SW	Q-12	TIJERAS -SDC ARROYOs AT 2ND ST SW
38	NW	E-12	BOSQUE SCHOOL AND MIRANDELA SE COORS-MONTANO NW
39	NW	E-12	MIRANDELA BY PUEBLO PARK SE OF COORS AND MONTANO NW
40	NW	J-11	1412 Riverview NW

Outfall Locations

DRY WEATHER OUTFALLS SCREENING 2024
TABLE OF CONTENTS

OUTFALL #	LOCATIO	QUAD	GRID	PAGE #
1	SAN JOSE DRAIN AT BETHEL SE	SE	M-14	1
2	BROADWAY POND INFLOW CHANNEL	SE	K-14	2
3	MENAUL POND INFLOW CHANNEL	NE	H-15	3
4	BARELAS PUMPING PLANT INFLOW	SW	L-13	4
5	KIRTLAND CHANNEL AT MULBERRY NE	SE	M-15	5
6	SAN ANTONIO ARROYO AT RIO GRANDE	NW	F-12	6
7	CALABACILLAS ARROYO AT COORS	NW	C-14	7
8	HAHN ARROYO AT CARLISLE NE	NE	G-16	8
9	EMBUDO AT PENNSYLVANIA SOUTH OF MENUAL NE	NE	J-19	9
10	NDC AT TUCKER	NE	J-16	10
11	BEAR CANYON ARROYO AT NDC	NE	G-16	11
12	SOUTH PINO ARROYO AT WASHINGTON NE	NE	D-17	12
13	NORTH PINO ARROYO AT TIBURON NE	NE	D-17	13
14	SOUTH DOMINGO BACA ARROYO AT WASHINGTON NE	NE	C-17	14
15	AMOLE DEL NORTE CHANNEL AT BLAKE SW	SW	N-10	15
16	WEST BLUFF NW OUTFALL AT RIO GRANDE AT I-40	NW	H-11	16
17	SNOW VISTA ARROYO AT DE VARGAS SW	SW	M-09	17
18	MONTANO EAST OF COORS NW	NW	E-12	18
19	MONTANO NW PS-47 WEST OF RIO GRANDE BLVD	NW	F-12	19
20	CANDELARIA NW PS-40 AT RIO GRANDE	NW	G-12	20
21	NAMASTE AND COORS NW	NW	F-11	21
22	SNOW GOOSE AT OXBOW BLUFF NW	NW	G-11	22
23	SEQUOIA NW AT RIO GRANDE	NW	G-11	23
24	REDLANDS - GRANDE VISTA NW	NW	G-12	24
25	PASEO DEL REY - OURAY - VISTA GRANDE NW	NW	H-11	25
26	DURANES NW PS AT RIO GRANDE	NW	H-12	26
27	CALLE DEL VISTA-ATRISCO NW	NW	H-11	27
28	WESTCLIFFE APTS AT 2700 VISTA GRANDE NW	NW	H-12	28
29	SAN JOSE DRAIN AT RIO BRAVO SW	SW	P-13	29
30	ATRISCO-ATRISCO PL-RIVERVIEW NW	NW	J-11	30
31	LABAJADA-ATRISCO-NORTH 30 IN PIPE	NW	J-11	31
32	LABAJADA-ATRISCO-SOUTH 36 IN PIPE-WINGWALL	NW	J-11	32
33	CENTRAL-SUNSET-OSAGE PS-44 THE 36 AND 42 IN PIPES	NW	J-12	33
34	CENTRAL-SUNSET-OSAGE NW PS-44 the 6 IN PIPE	NW	J-12	34
35	ALCALDE SW PS-41 AT RIO GRANDE	SW	K-13	35
36	NDC AT ALAMEDA NE	NE	C-17	36
37	TIJERAS ARROYO AT 2ND ST SW	SW	Q-12	37
38	MIRANDELA BY PUEBLO PARK SE OF COORS AND MONTANO N	NW	E-12	38
39	BOSQUE SCHOOL AND MIRANDELA SE OF COORS AND MONT	NW	E-12	39
40	1406-1412 Riverview nw	NW	J-11	40

LOCATION	**SAN JOSE DRAIN AT BETHEL SE**						
OUTFALL_NO	1	QUAD	SE	GRID	M-14	SAMPLED	☐
DATE_INSP	3/4/2025	TIME	11:20am	Inspected by	KO*		
WEATHER	SUNNY	flow	NO	FLOW_GPM	0		
APPEARANCE	na	GROSS POLLUTANT	na				
Source of Flow	na						
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2025\2 - DW Screening-2024-2025\East\1-M						

AIR_TEMP_F		Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	



*KO = Kyle O'Malley, engineering associate

LOCATION	**BROADWAY POND INFLOW CHANNEL**						
OUTFALL_NO	2	QUAD	SE	GRID	K-14	SAMPLED	☐
DATE_INSP	3/4/2025	TIME	10:00	Inspected by	KO		
WEATHER	SUNNY	flow	Wet, no flow	FLOW_GPM	Trickle		
APPEARANCE	Stagnant water	GROSS POLLUTANT					
Source of Flow	Well wash water						
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2025\2 - DW Screening--new-2024-2025\2-K						

AIR_TEMP_F		Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	



LOCATION	**MENAUL POND INFLOW CHANNEL**						
OUTFALL_NO	3	QUAD	NE	GRID	H-15	SAMPLED	☐
DATE_INSP	3/4/2025	TIME	15:17	Inspected by	KO		
WEATHER	SUNNY	flow	NO	FLOW_GPM	0		
APPEARANCE		GROSS POLLUTANT					
Source of Flow							
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2025\2 - DW Screening-2024-2025\East\3-H						

AIR_TEMP_F		Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	





LOCATION	**BARELAS PUMPING PLANT INFLOW**						
OUTFALL_NO	4	QUAD	SW	GRID	L-13	SAMPLED	☑
DATE_INSP	3/26/2025	TIME	1:30	Inspected by	KO		
WEATHER	SUNNY	flow	Y	FLOW_GPM	0.2		
APPEARANCE	clear	GROSS POLLUTANT	none				
Source of Flow	groundwater infiltration to the storm lines						
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2025\2 - DW Screening--new-2024-2025\4-L						

AIR_TEMP_F	65	Lab	Eurofins
WATER_TEMP_F	65	Lab_Report	885-22107
pH	8.3	E_coli_Coliform_mpn/100ml	35.5
CONDUCTIVITY_Umos/cm	620	Ammonia_mg/l	ND
BOD_mg/l	ND	Nitrite_NO2_mg/l	ND
COD_mg/l	ND	Nitrate_NO3_mg/l	0.17
TSS_mg/l	ND	TKN_Tot_Kjeld_N_mg/l	ND
TDS_mg/l	410	Phosphorus_total_mg/l_P	0.14
N-Hexane Extractabie-(Oil_Grease)_mg/l	ND	Hardness_mg/l_CaCO3	220
Floride_mg/l	0.56	Chlorine_mg/l	ND



LOCATION	KIRTLAND CHANNEL AT MULBERRY NE						
OUTFALL_NO	5	QUAD	SE	GRID	M-15	SAMPLED	☐
DATE_INSP	3/4/2025	TIME	11:10	Inspected by	KO		
WEATHER	SUNNY	flow	N	FLOW_GPM	0		
APPEARANCE		GROSS POLLUTANT					
Source of Flow							
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2025\2 - DW Screening-2024-2025\East\5-M						

AIR_TEMP_F		Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	



LOCATION	**SAN ANTONIO ARROYO AT RIO GRANDE**						
OUTFALL_NO	6	QUAD	NW	GRID	F-12	SAMPLED	☐
DATE_INSP	3/19/2025	TIME	9:30	Inspected by	KO		
WEATHER	SUNNY	flow	NO	FLOW_GPM	0		
APPEARANCE		GROSS POLLUTANT					
Source of Flow							
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2025\2 - DW Screening--new-2024-2025\6-F						

AIR_TEMP_F		Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	





LOCATION	**CALABACILLAS ARROYO AT RIO GRANDE**						
OUTFALL_NO	7	QUAD	NW	GRID	C-14	SAMPLED	☐
DATE_INSP	3/4/2025	TIME	14:30	Inspected by	KO		
WEATHER	SUNNY	flow	Y	FLOW_GPM	Insufficient for sampling		
APPEARANCE	CLEAR	GROSS POLLUTANT	na				
Source of Flow	unknown						
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2025\2 - DW Screening--new-2024-2025\7-C						

AIR_TEMP_F		Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	



LOCATION	**HAHN ARROYO AT CARLISLE NE**						
OUTFALL_NO	8	QUAD	NE	GRID	G-16	SAMPLED	X
DATE_INSP	3/13/2025	TIME	13:00	Inspected by	KO		
WEATHER	SUNNY	flow	Yes	FLOW_GPM	Insufficient for Sampling		
APPEARANCE		GROSS POLLUTANT					
Source of Flow							
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2024\2 - DW Screening-2024-2025\East\8-G						

AIR_TEMP_F		Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	



LOCATION	**EMBUDO AT PENNSYLVANIA SOUTH OF MENUAL NE**

OUTFALL_NO	9	QUAD	NE	GRID	J-19	SAMPLED	☐
DATE_INSP	3/4/2025	TIME	10:30am	Inspected by	KO		
WEATHER	SUNNY	flow	NO	FLOW_GPM	0		
APPEARANCE	Trickle, no sample	GROSS POLLUTANT	na				
Source of Flow	Irrigation						
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2025\2 - DW Screening-2024-2025\East\9-J1						

AIR_TEMP_F		Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	



LOCATION	**NDC AT TUCKER**						
OUTFALL_NO	10	QUAD	NE	GRID	J-16	SAMPLED	☐
DATE_INSP	3/4/2025	TIME	10:30am	Inspected by	KO		
WEATHER	SUNNY	flow	No	FLOW_GPM	0		
APPEARANCE		GROSS POLLUTANT					
Source of Flow							

link X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2025\2 - DW Screening-2024-2025\East\10-J

AIR_TEMP_F		Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	



LOCATION	**BEAR CANYON ARROYO AT NDC**						
OUTFALL_NO	11	QUAD	NE	GRID	G-16	SAMPLED	☐
DATE_INSP	3/13/2025	TIME	9:30am	Inspected by	JA/DL		
WEATHER	SUNNY	flow	NO	FLOW_GPM	0		
APPEARANCE	na	GROSS POLLUTANT	na				
Source of Flow	na						
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2025\2 - DW Screening-2024-2025\East\11-						

AIR_TEMP_F		Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	



LOCATION	SOUTH PINO ARROYO AT WASHINGTON NE						
OUTFALL_NO	12	QUAD	NE	GRID	D-17	SAMPLED	☐
DATE_INSP	3/13/2025	TIME	9:40am	Inspected by	JA/DL		
WEATHER	SUNNY	flow	NO	FLOW_GPM	0		
APPEARANCE	na	GROSS POLLUTANT	na				
Source of Flow	na						
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2025\2 - DW Screening-2024-2025\East\12-						

AIR_TEMP_F		Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	



LOCATION	**NORTH PINO ARROYO AT TIBURON NE**						
OUTFALL_NO	13	QUAD	NE	GRID	D-17	SAMPLED	☐
DATE_INSP	3/13/2025	TIME	10:00am	Inspected by	JA/DL		
WEATHER	SUNNY	flow	NO SAMPLE	FLOW_GPM	DAMP		
APPEARANCE	na	GROSS POLLUTANT	na				
Source of Flow	na						
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2025\2 - DW Screening-2024-2025\East\13-						

AIR_TEMP_F	49	Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	



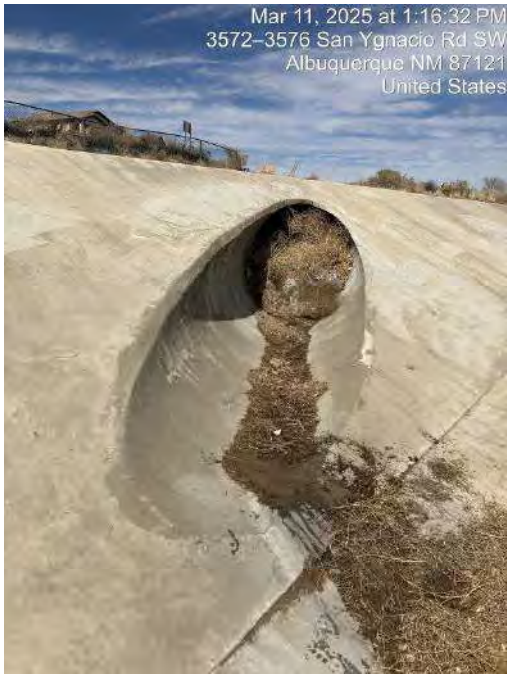
LOCATION	**SOUTH DOMINGO BACA ARROYO AT WASHINGTON NE**						
OUTFALL_NO	14	QUAD	NE	GRID	C-17	SAMPLED	☐
DATE_INSP	3/13/2025	TIME	10:30pm	Inspected by	DL/JA		
WEATHER	SUNNY	flow	NO	FLOW_GPM	0		
APPEARANCE	na	GROSS POLLUTANT	na				
Source of Flow	na						
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2025\2 - DW Screening-2024-2025\East\14-						

AIR_TEMP_F		Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	



LOCATION	**AMOLE DEL NORTE CHANNEL AT BLAKE SW**						
OUTFALL_NO	15	QUAD	SW	GRID	N-10	SAMPLED	☐
DATE_INSP	3/11/2025	TIME	1:15pm	Inspected by	KO		
WEATHER	SUNNY	flow	NO	FLOW_GPM	0		
APPEARANCE	na	GROSS POLLUTANT	na				
Source of Flow	na						
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2025\2 - DW Screening--new-2024-2025\15-						

AIR_TEMP_F		Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	



LOCATION	**WEST BLUFF NW OUTFALL AT RIO GRANDE AT I-40**

OUTFALL_NO	16	QUAD	NW	GRID	H-11	SAMPLED	☐
DATE_INSP	3/27/2025	TIME	11:00am	Inspected by	JA/DL		
WEATHER	SUNNY	flow	NO	FLOW_GPM	0		
APPEARANCE	na	GROSS POLLUTANT	na				
Source of Flow	na						
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2025\2 - DW Screening--new-2024-2025\16						

AIR_TEMP_F		Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	



LOCATION	**SNOW VISTA ARROYO AT DE VARGAS SW**						
OUTFALL_NO	17	QUAD	SW	GRID	M-09	SAMPLED	☐
DATE_INSP	3/11/2025	TIME	1:30pm	Inspected by	KO		
WEATHER	SUNNY	flow	NO	FLOW_GPM	0		
APPEARANCE	na	GROSS POLLUTANT	na				
Source of Flow	na						
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2025\2 - DW Screening--new-2024-2025\17-						

AIR_TEMP_F		Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	



LOCATION	MONTANO EAST OF COORS NW						
OUTFALL_NO	18	QUAD	NW	GRID	E-12	SAMPLED	☐
DATE_INSP	3/19/2025	TIME	9:00am	Inspected by	KO		
WEATHER	SUNNY	flow	NO	FLOW_GPM	0		
APPEARANCE	na	GROSS POLLUTANT	na				
Source of Flow	na						
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2025\2 - DW Screening--new-2024-2025\18-						

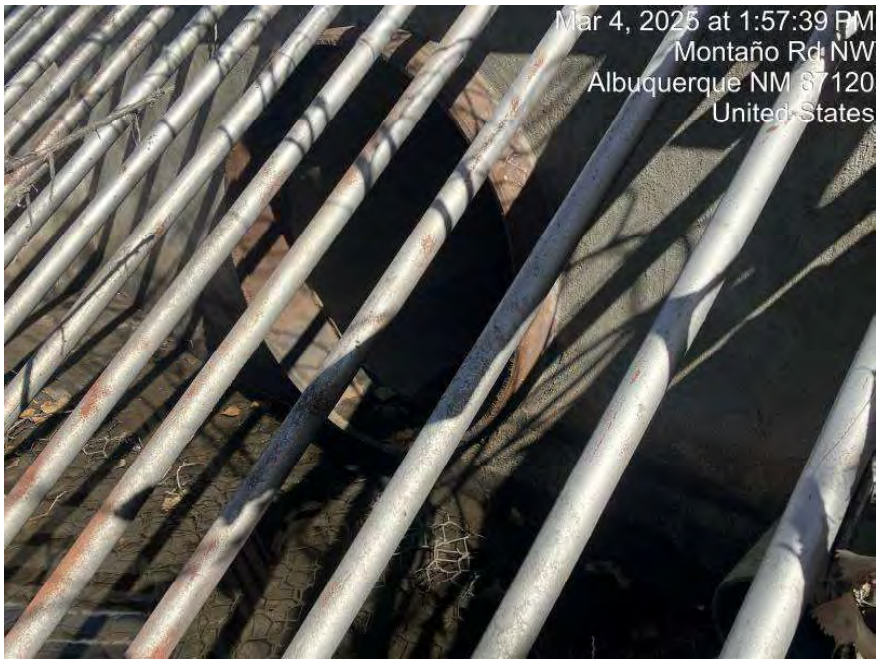
AIR_TEMP_F		Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	



LOCATION	**MONTANO NW PS-47 WEST OF RIO GRANDE BLVD**

OUTFALL_NO	19	QUAD	NW	GRID	F-12	SAMPLED	☐
DATE_INSP	3/4/2025	TIME	2:00pm	Inspected by	KO		
WEATHER	SUNNY	flow	NO	FLOW_GPM	0		
APPEARANCE	Stagnant water	GROSS POLLUTANT	na				
Source of Flow	na						
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2025\2 - DW Screening-2024-2025\East\19-						

AIR_TEMP_F		Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	



LOCATION	**CANDELARIA NW PS-40 AT RIO GRANDE**						
OUTFALL_NO	20	QUAD	NW	GRID	G-12	SAMPLED	☐
DATE_INSP	3/4/2025	TIME	1:20pm	Inspected by	KO		
WEATHER	SUNNY	flow	NO	FLOW_GPM			
APPEARANCE		GROSS POLLUTANT					
Source of Flow							
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2025\2 - DW Screening-2024-2025\East\20-						

AIR_TEMP_F		Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	



LOCATION	NAMASTE AND COORS NW						
OUTFALL_NO	21	QUAD	NW	GRID	F-11	SAMPLED	☐
DATE_INSP	3/19/2025	TIME	10:00am	Inspected by	KO		
WEATHER	CLOUDY	flow	NO	FLOW_GPM	0		
APPEARANCE	na	GROSS POLLUTANT	na				
Source of Flow	na						
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2025\2 - DW Screening--new-2024-2025\21-						

AIR_TEMP_F	34	Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	



LOCATION	**SNOW GOOSE AT OXBOW BLUFF NW**						
OUTFALL_NO	22	QUAD	NW	GRID	G-11	SAMPLED	☐
DATE_INSP	3/21/2025	TIME	11:30am	Inspected by	KO/AP		
WEATHER	SUNNY	flow	NO	FLOW_GPM	0		
APPEARANCE	Stagnant Water	GROSS POLLUTANT	na				
Source of Flow	na						
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2025\2 - DW Screening--new-2024-2025\22-						

AIR_TEMP_F	45	Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	



LOCATION	SEQUOIA NW AT RIO GRANDE						
OUTFALL_NO	23	QUAD	NW	GRID	G-11	SAMPLED	☐
DATE_INSP	3/5/2025	TIME	2:30pm	Inspected by	KO/AP		
WEATHER	SUNNY	flow	NO	FLOW_GPM	0		
APPEARANCE	na	GROSS POLLUTANT	na				
Source of Flow	na						
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2025\2 - DW Screening--new-2024-2025\23-						

AIR_TEMP_F		Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	



LOCATION	REDLANDS - GRANDE VISTA NW						
OUTFALL_NO	24	QUAD	NW	GRID	G-12	SAMPLED	☐
DATE_INSP	3/5/2025	TIME	3:05	Inspected by	JKO/AP		
WEATHER	SUNNY	flow	NO	FLOW_GPM	0		
APPEARANCE	na	GROSS POLLUTANT	na				
Source of Flow	na						
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2025\2 - DW Screening--new-2024-2025\24-						

AIR_TEMP_F		Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	



LOCATION	**PASEO DEL REY - OURAY - VISTA GRANDE NW**						
OUTFALL_NO	25	QUAD	NW	GRID	H-11	SAMPLED	☐
DATE_INSP	3/5/2025	TIME	2:15 PM	Inspected by	KO/AP		
WEATHER	SUNNY	flow	NO	FLOW_GPM	0		
APPEARANCE	na	GROSS POLLUTANT	na				
Source of Flow	na						
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2025\2 - DW Screening--new-2024-2025\25-						

AIR_TEMP_F		Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	



LOCATION	**DURANES NW PS AT RIO GRANDE**						
OUTFALL_NO	26	QUAD	NW	GRID	H-12	SAMPLED	☐
DATE_INSP	3/4/2025	TIME	12:50pm	Inspected by	KO		
WEATHER	SUNNY	flow	NO	FLOW_GPM	NA		
APPEARANCE	Stagnant water	GROSS POLLUTANT					
Source of Flow							
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2025\2 - DW Screening-2024-2025\East\26-						

AIR_TEMP_F		Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	



LOCATION	CALLE DEL VISTA-ATRISCO NW						
OUTFALL_NO	27	QUAD	NW	GRID	H-11	SAMPLED	☐
DATE_INSP	3/5/2025	TIME	4:00pm	Inspected by	KO/AP		
WEATHER	SUNNY	flow	NO	FLOW_GPM	0		
APPEARANCE		GROSS POLLUTANT					
Source of Flow							
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2025\2 - DW Screening--new-2024-2025\27-						

AIR_TEMP_F	44	Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	



LOCATION	**WESTCLIFFE APTS AT 2700 VISTA GRANDE NW**						
OUTFALL_NO	28	QUAD	NW	GRID	H-12	SAMPLED	☐
DATE_INSP	3/5/2025	TIME	10:45 AM	Inspected by	DJ/JA		
WEATHER	SUNNY	flow	NO	FLOW_GPM	0		
APPEARANCE	na	GROSS POLLUTANT	na				
Source of Flow	na						
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2025\2 - DW Screening--new-2024-2025\28-						

AIR_TEMP_F		Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	



LOCATION	SAN JOSE DRAIN AT RIO BRAVO SW						
OUTFALL_NO	29	QUAD	SW	GRID	P-13	SAMPLED	☐
DATE_INSP	3/11/2025	TIME	12:00 pm	Inspected by	KO		
WEATHER	SUNNY	flow	NO	FLOW_GPM	0		
APPEARANCE	Debris,	GROSS POLLUTANT	na				
Source of Flow	na						
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2025\2 - DW Screening-2024-2025\East\29-						

AIR_TEMP_F		Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	



LOCATION	ATRISCO-ATRISCO PL-RIVERVIEW NW						
OUTFALL_NO	30	QUAD	NW	GRID	J-11	SAMPLED	☐
DATE_INSP	3/5/2025	TIME	9:30 AM	Inspected by	JA/DL		
WEATHER	SUNNY	flow	NO	FLOW_GPM	0		
APPEARANCE		GROSS POLLUTANT	na				
Source of Flow							
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2025\2 - DW Screening--new-2024-2025\30-						

AIR_TEMP_F		Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	



LOCATION	LA BAJADA-ATRISCO-NORTH 30 IN PIPE						
OUTFALL_NO	31	QUAD	NW	GRID	J-11	SAMPLED	☐
DATE_INSP	3/5/2025	TIME	9:40 AM	Inspected by	JA/DL		
WEATHER	SUNNY	flow	NO	FLOW_GPM	0		
APPEARANCE	na	GROSS POLLUTANT	na				
Source of Flow	na						
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2025\2 - DW Screening--new-2024-2025\31-						

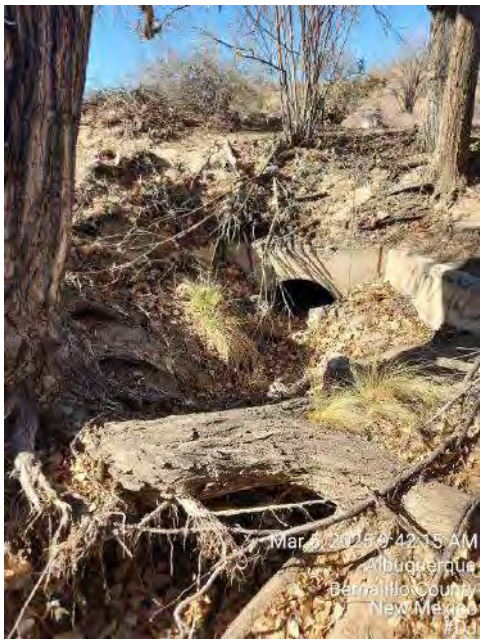
AIR_TEMP_F		Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	





LOCATION	**LA BAJADA-ATRISCO-SOUTH 36 IN PIPE-WINGWALL**						
OUTFALL_NO	32	QUAD	NW	GRID	J-11	SAMPLED	☐
DATE_INSP	3/5/2025	TIME	9:45 AM	Inspected by	JA/DL		
WEATHER	SUNNY	flow	NO	FLOW_GPM	0		
APPEARANCE	na	GROSS POLLUTANT	na				
Source of Flow	na						
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2025\2 - DW Screening--new-2024-2025\32						

AIR_TEMP_F		Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	





LOCATION	CENTRAL-SUNSET-OSAGE PS-44 THE 36 AND 42 IN PIPES						
OUTFALL_NO	33	QUAD	NW	GRID	J-12	SAMPLED	☐
DATE_INSP	3/5/2025	TIME	9:55am	Inspected by	JA/DL		
WEATHER	SUNNY	flow	NO	FLOW_GPM	0		
APPEARANCE		GROSS POLLUTANT					
Source of Flow							
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2025\2 - DW Screening-2024-2025\West\33-						

AIR_TEMP_F		Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	



LOCATION	**CENTRAL-SUNSET-OSAGE NW PS-44 THE 6 IN PIPE**

OUTFALL_NO	34	QUAD	NW	GRID	J-12	SAMPLED	☑
DATE_INSP	3/5/2025	TIME	11:45 AM	Inspected by	JA/DL		
WEATHER	SUNNY	flow	YES	FLOW_GPM	0.5 GPM		
APPEARANCE	CLEAR	GROSS POLLUTANT	na				
Source of Flow	groundwater at the Atrisco park						
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2025\2 - DW Screening--new-2024-2025\34-						

AIR_TEMP_F	48	Lab	Eurofins
WATER_TEMP_F		Lab_Report	885-1678-1
pH	7.9	E_coli_Coliform_mpn/100ml	9.7
CONDUCTIVITY_Umos/cm	530	Ammonia_mg/l	ND
BOD_mg/l	ND	Nitrite_NO2_mg/l	ND
COD_mg/l	ND	Nitrate_NO3_mg/l	0.12
TSS_mg/l	ND	TKN_Tot_Kjeld_N_mg/l	ND
TDS_mg/l	350	Phosphorus_total_mg/l_P	0.091
N-Hexane Extractabie-(Oil_Grease)_mg/l	ND	Hardness_mg/l_CaCO3	170
Floride_mg/l	0.47	Chlorine_mg/l	ND



LOCATION	ALCALDE SW PS-41 AT RIO GRANDE						
OUTFALL_NO	35	QUAD	SW	GRID	K-13	SAMPLED	☐
DATE_INSP	3/4/2025	TIME	11:45am	Inspected by	KO		
WEATHER	SUNNY	flow	NO	FLOW_GPM	0		
APPEARANCE	na	GROSS POLLUTANT	na				
Source of Flow	na						
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2025\2 - DW Screening-2024-2025\East\35-						

AIR_TEMP_F		Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	



LOCATION	**NDC AT ALAMEDA NE**						
OUTFALL_NO	36	QUAD	NE	GRID	C-17	SAMPLED	☑
DATE_INSP	3/4/2025	TIME	2:45pm	Inspected by	KO		
WEATHER	SUNNY	flow	NO	FLOW_GPM	0		
APPEARANCE		GROSS POLLUTANT					
Source of Flow							

link X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2025\2 - DW Screening--new-2024-2025\36-

AIR_TEMP_F		Lab	Eurofins
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	



LOCATION	TIJERAS ARROYO AT 2ND ST SW						
OUTFALL_NO	37	QUAD	SW	GRID	Q-12	SAMPLED	☐
DATE_INSP	3/11/2025	TIME	12:15pm	Inspected by	KO		
WEATHER	SUNNY	flow	NO	FLOW_GPM	0		
APPEARANCE	trash	GROSS POLLUTANT	na				
Source of Flow	na						
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2025\2 - DW Screening-2024-2025\East\37-						

AIR_TEMP_F		Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	



LOCATION	**MIRANDELA BY PUEBLO PARK SE OF COORS AND MONTANO NW**
OUTFALL_NO	38
QUAD	NW
GRID	E-12
SAMPLED	☐
DATE_INSP	3/19/2025
TIME	9:10am
Inspected by	KO
WEATHER	SUNNY
flow	NO
FLOW_GPM	0
APPEARANCE	na
GROSS POLLUTANT	na
Source of Flow	na
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2025\2 - DW Screening--new-2024-2025\38-

AIR_TEMP_F	36	Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	



LOCATION	**BOSQUE SCHOOL AND MIRANDELA SE OF COORS AND MONTANO NW**						
OUTFALL_NO	39	QUAD	NW	GRID	E-12	SAMPLED	☐
DATE_INSP	3/19/2025	TIME	10:00am	Inspected by	KO		
WEATHER	SUNNY	flow	NO	FLOW_GPM	0		
APPEARANCE	na	GROSS POLLUTANT	na				
Source of Flow	na						
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2025\2 - DW Screening--new-2024-2025\39-						

AIR_TEMP_F	36	Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	



LOCATION	1406-1412 RIVERVIEW NW						
OUTFALL_NO	40	QUAD	NW	GRID	J-11	SAMPLED	☐
DATE_INSP	3/28/2025	TIME	12:00 pm	Inspected by	KO		
WEATHER	PARTLY SUNNY	flow	NO	FLOW_GPM	0		
APPEARANCE	na	GROSS POLLUTANT	na				
Source of Flow	na						
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2025\2 - DW Screening-2024-2025\West\40-						

AIR_TEMP_F		Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	

