





MIDDLE RIO GRANDE WATERSHED BASED MUNICIPAL SEPARATE STORM SEWER (MS4) PERMIT

FINAL
2024-2025 ANNUAL REPORT

July 1, 2024 – June 30, 2025

Date: December 1, 2025

Development Services Department
3200 Civic Center Circle NE
Rio Rancho, NM 87144

NPDES GENERAL PERMIT NO. NMR04A000
ADMINISTRATIVE CONTINUANCE

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ANNUAL REPORT REQUIREMENTS

The permittees shall submit an annual report to be submitted by no later than December 1st. See suggested form at http://epa.gov/region6/water/npdes/sw/ms4/index.htm. The report shall cover the previous year from July 1st to June 30rd and include the below separate sections. Additionally, the year one (1) and year four (4) annual report shall include submittal of a complete SWMP revision.

At least forty five (45) days prior to submission of each Annual Report, the permittee must provide public notice of and make available for public review and comment a draft copy of the Annual Report. All public input must be considered in preparation of the final Annual Reports and any changes to the SWMP.

Note: A complete copy of the signed Annual Report should be maintained on site.

1. **SWMP(s) Status of Implementation**: shall include the status of compliance with all schedules established under this permit and the status of actions required in Parts I, III, and VI.

2. **SWMP Revisions**: shall include revisions, if necessary, to the assessments of controls or BMPs reported in the permit application (or NOI for coverage under this permit) under **40 CFR §122.26(d)(2)(v)*** and **§122.34(d)(1)(I)[i]**** are to be included, as well as a cumulative list of all SWMP revisions during the permit term.

3. **Performance Assessment**: shall include:

    a. an assessment of performance in terms of measurable goals, including, but not limited to, a description of the number and nature of enforcement actions and inspections, public education and public involvement efforts;

    b. a summary of the data, including monitoring data, that is accumulated throughout the monitoring year (July 1 to June 30); actual values of representative monitoring results shall be included, if results are above minimum quantification level (MQL); and

    c. identification of water quality improvements or degradation.

4. **Annual Report Responsibilities for Cooperative Programs**: preparation of a system-wide report with cooperative programs may be coordinated among cooperating MS4s and then used as part of individual Annual Reports. The report of a cooperative program element shall indicate which, if any, permittee(s) have failed to provide the required information on the portions of the MS4 for which they are responsible to the cooperation permittees.

    a. joint responsibility for reports covering cooperative programs elements shall be limited to participation in preparation of the overview for the entire system and inclusion of the identity of any permittee who failed to provide input to the annual report.

    b. individual permittees shall be individually responsible for content of the report relating to the portions of the MS4 for which they are responsible and for failure to provide information for the system-wide annual report no later than July 31st of each year.

5. **Public Review and Comment**: a brief summary of any issues raised by the public on the draft Annual Report, along with permittee's responses to the public comments.

6. **Signature on Certification of Annual Reports:** the annual report shall be signed and certified, in accordance with Part IV.H and include a statement or resolution that the permittee's governing body or agency (or delegated representative) has reviewed or been apprised of the content of the Annual Report. Annual report shall be due no later than December 1st of each year. A complete copy of the signed Annual Report should be maintained on site.

***40 CFR §122.26(d)(2)(v)**

(v) *Assessment of controls.* Estimated reductions in loadings of pollutants from discharges of municipal storm sewer constituents from municipal storm sewer systems expected as the result of the municipal storm water quality management program. The assessment shall also identify known impacts of storm water controls on ground water.

****40 CFR §122.34(d)(1)(I)[i]**

(d)(1) In your permit application (either a notice of intent for coverage under a general permit or an individual permit application), you must identify and submit to your NPDES permitting authority the following information:

(i) The best management practices (BMPs) that you or another entity will implement for each of the storm water minimum control measures at paragraphs **(b)(1)** through **(b)(6)** of this section;

(b)(1)

(b) Minimum control measures—(1) Public education and outreach on storm water impacts.

(i) You must implement a public education program to distribute educational materials 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 storm water runoff.

(ii) Guidance: You may use storm water educational materials provided by your State, Tribe, EPA, environmental, public interest or trade organizations, or other MS4s. The public education program should inform individuals and households about the steps they can take to reduce storm water pollution, such as 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. EPA recommends that the program 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. EPA recommends that the public education program be tailored, 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 and beach cleanups. In addition, EPA recommends that some of the materials or outreach programs be directed toward targeted groups of commercial, industrial, and institutional entities likely to have significant storm water impacts. For example, providing information to restaurants on the impact of grease clogging storm drains and to garages on the impact of oil discharges. You are encouraged to tailor your 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.

(b)(6)

(6) Pollution prevention/good housekeeping for municipal operations.

(i) You must develop and implement an operation and maintenance program that includes a training component and has the ultimate goal of preventing or reducing pollutant runoff from municipal operations. Using training materials that are available from EPA, your State, Tribe, or other organizations, your program must include employee training to prevent and reduce storm water pollution from activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and storm water system maintenance.

(ii) Guidance: EPA recommends that, at a minimum, you consider the following in developing your program: maintenance activities, maintenance schedules, and long-term inspection procedures for structural and nonstructural storm water controls to reduce floatables and other pollutants discharged

from your separate storm sewers; controls for reducing or eliminating the discharge of pollutants from streets, roads, highways, municipal parking lots, maintenance and storage yards, fleet or maintenance shops with outdoor storage areas, salt/sand storage locations and snow disposal areas operated by you, and waste transfer stations; procedures for properly disposing of waste removed from the separate storm sewers and areas listed above (such as dredge spoil, accumulated sediments, floatables, and other debris); and ways 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. Operation and maintenance should be an integral component of all storm water management programs. This measure is intended to improve the efficiency of these programs and require new programs where necessary. Properly developed and implemented operation and maintenance programs reduce the risk of water quality problems.

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MIDDLE RIO GRANDE WATERSHED BASED MUNICIPAL SEPARATE STORM SEWER (MS4) PERMIT

FINAL 2024-2025 ANNUAL REPORT

July 1, 2024 to June 30, 2025

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Section 1	Municipal Separate Storm Sewer System (MS4) Annual Report
	1.1 2024-2025 MS4 Annual 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

City of Rio Rancho
Name of MS4

Xavier | Pettes | NPDES Project Manager
Name of Contact Person (First) (Last) (Title)

(505) 891-5045 | xpettes@rrnm.gov
Telephone (including area code) E-mail

3200 Civic Center Circle NE, Suite 130
Mailing Address

Rio Rancho | New Mexico | 87144
City State ZIP code

What size population does your MS4(s) serve? 104,046 NPDES number NMR04A007

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 NM-2105.1_00	E. coli	☒ Yes	☐ No	☒ Yes	☐ No
Rio Grande NM-2105.1_00	PCB in Fish Tissue	☐ Yes	☒ No	☐ Yes	☒ No
Rio Grande NM-2105.1_00	PCB in Water Column	☐ Yes	☒ No	☐ Yes	☒ No
Rio Grande NM-2105.1_00	Gross Alpha	☐ Yes	☒ No	☐ Yes	☒ No

2. B. Continued

Impaired Water	Impairment	Approved TMDL	TMDL assigns WLA to MS4
Rio Grande NM-2105.1_00	Mercury in Fish Tissue	☐ Yes ☒ No	☐ Yes ☒ No
		☐ Yes ☐ No	☐ Yes ☐ No
		☐ Yes ☐ No	☐ Yes ☐ No
		☐ Yes ☐ No	☐ Yes ☐ No

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

Pet waste, Construction Waste, Illicit Discharge, Household Hazardous Waste, Septic & Sanitary Sewer System, General St

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?

General SWP, Construction Waste, Pet Waste, Household Hazardous Waste, Illicit Discharge and Animal Sources

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.

See Attached - Section 6. Middle Rio Grande Stormwater Quality Outcomes Report FY 2024-2025

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. 96

D. How many of the sites identified in 4.C did you inspect during this reporting period? 96

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

Private and public construction project/activities are inspected bi-weekly.

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

If Yes, based on what criteria? Activities near or adjacent to watercourse

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	5	No Authority	☐
☒ Yes	Administrative fines	0	No Authority	☐
☐ Yes	Stop Work Orders		No Authority	☒
☐ Yes	Civil penalties		No Authority	☒
☐ Yes	Criminal actions		No Authority	☒
☐ Yes	Administrative orders		No Authority	☒
☐ Yes	Other	N/A		

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?

CGP/Municipal Code violations: 1) Inadequate perimeter control prior to earth disturbing activities; 2) Construction and

J. How often do municipal employees receive training on the construction program? As needed and/or for new

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. 7

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?

7

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? 7

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

Spills near storm drains or outfalls are investigated immediately. Dry Weather Outfall Screening is conducted annually.

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? 7

K. Of those illicit discharges/illegal connections that have been discovered or reported, how many have been eliminated? 7

L. How often do municipal employees receive training on the illicit discharge program? As needed and/or for n

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 None

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

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

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

Construction Site Stormwater Inspection, Dry Weather Discharges Screening, Locating Illicit Discharges, Spill Response

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? Activities near or adjacent to watercour

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? As needed and/or for new hires

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?

Typically retrofit are conducted in the field

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.)?

All construction project/activities cumulatively disturbing one or more acres within the MS4 jurisdiction

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.codepublishing.com/NM/RioRancho/#!/RioRancho150/RioRancho153.html#153

G. How many development and redevelopment project plans were reviewed during the reporting period to assess impacts to water quality and receiving stream protection? 96

H. How many of the plans identified in 7.G were approved? 96

I. How many privately owned permanent stormwater management practices/facilities were inspected during the reporting period? 0

J. How many of the practices/facilities identified in I were found to have inadequate maintenance? 0

K. How long do you give operators to remedy any operation and maintenance deficiencies identified during inspections? 90 days

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? 5

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 needed

8. Program Resources

A. What was the annual expenditure to implement MS4 permit requirements this reporting period? 100,000.00

B. What is next year's budget for implementing the requirements of your MS4 NPDES permit? 100,000.00

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:	General Fund	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	Stormwater 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 Event (up to 7)	2
Various (EPA approved analyte list)	2014	Wet Season, annually	8
Please refer to the attached Annual			
Report or AMAFCA web site 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.

Data collected by the Compliance Monitoring Cooperative has been shared with NMED.

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 DAVID SERRANO Digitally signed by DAVID SERRANO DN: CN=DAVID SERRANO, OU=Users, OU=Executives, OU=Development Services, OU=CityHall, OU=Departments, OU=CoNM, DC=ad, DC=nmm, DC=gov Date: 2025.11.24 14:28:24-07'00'

David Serrano, P.E., Deputy Director — Name of Certifying Official, Title

11/24/2025 — Date (mm/dd/yyyy)

Section 2	Special Conditions
	2.1 FY 2025 Wastewater and Recycled Water Capital Improvement Report

City of Rio Rancho
Utilities Department / Wastewater Division

FY 2025 Wastewater and Recycled Water Capital Improvement Report

Reporting Period: July 1, 2024 to June 30, 2025

Overview

Rio Rancho's FY 2025 Capital Improvement Plan allocated substantial funding to wastewater and recycled water infrastructure, with a total of **$44,317,755 for wastewater projects** and **$89,657 for recycled water initiatives**. These investments directly address the recurring sanitary system overflows (SSOs) that plagued the city throughout the reporting period, threatening water quality and requiring emergency responses under NPDES permit requirements.

Critical Infrastructure Challenges

The utility department staff developed a capital improvement budget request against a backdrop of serious infrastructure failures. During the 2025 fiscal year, Rio Rancho experienced multiple SSOs caused by aging equipment, pump failures, and deteriorating force mains. These incidents released tens of thousands of gallons of untreated wastewater into the environment, with some flows reaching nearby arroyos, though containment measures prevented contamination of the Rio Grande River.

Wastewater Treatment Plant Improvements

The most significant capital investments focused on expanding and upgrading treatment capacity:

Wastewater Treatment Plant 2 Headworks ($21,082,748): After more than 20 years of continuous service, WWTP 2's headworks system reached the end of its design life. This critical upgrade ensures proper screening and removal of grit and waste before materials enter the plant's aeration systems, maintaining effluent quality standards and preventing system failures.

Wastewater Treatment Plant 5 Expansion ($2,629,903): This comprehensive improvement project includes enhancements to headworks screening, additional membrane installation, associated equipment upgrades, improvements to the aeration basin, modifications to the infiltration gallery, and integration of the SCADA system. The expansion addresses growing treatment demands and improves operational reliability.

Lift Station Rehabilitation Program

Several lift stations identified in the SSO incidents received targeted capital funding:

Lift Station 22 Improvements ($6,650,882): This major upgrade addresses the aging infrastructure near Corrales Road and NM 528. The project constructs a new lift station adjacent to the existing facility, enabling direct pumping to WWTP 2 and eliminating bottlenecks that contributed to overflow events.

Lift Station 2 Replacement ($300,000): Located on Southern Boulevard and Nicklaus Drive, this station was required to be relocated due to conflicts with the Southern Boulevard reconstruction project. The design work initiated under the roadway project received dedicated capital funding to complete the replacement and prevent future service interruptions.

Lift Station 21 Improvements ($391,812): Situated near Riverside Drive and NM 528, this station serves a growing population area near Rivers Edge 2. The improvements prevent spills near the environmentally sensitive Rio Grande River corridor by increasing pumping capacity to match development patterns.

Collection System Infrastructure

Install/Replace Sanitary Sewer Lines ($9,762,695): This substantial allocation funds the design and construction of new and replacement sanitary sewer lines and force mains throughout the system. Projects are prioritized based on infrastructure condition assessments, growth projections, and coordination with scheduled road construction. The FY 2025 program specifically includes the NM 528 Force Main from Willow Creek/Idalia Road to lift stations, directly addressing the force main failures that caused multiple SSO events during the reporting period.

Operational Support and Safety

Security and SCADA Improvements ($275,357): Modern monitoring and control systems at wastewater treatment plants and lift stations reduce the risk of equipment failures going undetected. These improvements include servers, electronics, and hardening measures that enhance both cybersecurity resilience and operational oversight—critical factors given the pump control failures that contributed to the June 2025 overflow events.

Vactor Equipment Garage ($500,000): This project involves planning, designing, and constructing a heated storage facility for Vactor equipment, thereby preventing freeze damage during cold weather months. Reliable vacuum equipment is essential for emergency response and routine maintenance, preventing system blockages and overflows.

Equipment for Wastewater Operations ($36,800): Annual allocation for major equipment used in wastewater collection, treatment, and outfall operations supports ongoing system reliability.

Fleet and Equipment Modernization

Wastewater Vehicles and Heavy Equipment ($2,687,558): This substantial investment provides vehicles and heavy equipment for infrastructure repair and maintenance, including wastewater hydroexcavator trucks, tanker trucks, and dump trucks. Modern, reliable equipment enables a rapid response to infrastructure failures and supports preventive maintenance programs that reduce the risk of SSO.

Recycled Water Initiative

Injection Wells and Advanced Water Treatment Facility ($89,657): Though modest compared to wastewater investments, this project represents forward-thinking planning for water reuse infrastructure. The facility location remains under determination, but the planning addresses long-term water resource management in Rio Rancho's arid desert environment.

Strategic Impact

Together, these capital investments totaling over $44.4 million represent a comprehensive approach to addressing the systemic infrastructure challenges that caused multiple SSOs during FY 2024-25. The projects target both immediate needs—replacing failing force mains and aging lift stations—and long-term capacity requirements driven by population growth and aging infrastructure.

The capital program demonstrates Rio Rancho's commitment to environmental protection and regulatory compliance under its NPDES permit, directly responding to the documented overflow incidents with targeted infrastructure improvements designed to prevent future failures and protect the sensitive Rio Grande River ecosystem.

Infrastructure and Capital Improvement Plan Overview



The Capital Improvement Program (CIP) consists of cross-departmental activities designed to identify, plan, finance, and undertake acquisition of long-lived capital assets necessary to meet service level goals and objectives. A capital project is an outlay that results in or contributes to, the acquisition of or addition to a capital asset with an anticipated cost equal to or exceeding $5,000 and with an anticipated useful life equal to or exceeding two years. The CIP also considers major repair projects and minor equipment acquisition in so far as those items are necessary and/or contribute to maintaining the City's existing capital stock.

The Capital Improvement Program functions as:

1. A multi-year projection of the City's major capital needs.
2. A formal mechanism for decision making related to planning and budgeting for major capital acquisitions.
3. A link to the City's long range plans concerning the economic and physical development of the community, and the provision of public services.
4. A financial management tool identifying future financing requirements for major capital acquisitions over the planning period.
5. A communications device for reporting to internal and external stakeholders the City's capital priorities, and plans for implementing capital projects.

The major output of the program is the annually updated Infrastructure Capital Improvement Plan (ICIP). The ICIP is a five-year plan identifying the priority, scheduling, and financing of major capital projects to be undertaken over the planning period. The plan is developed by city staff and adopted by the Governing Body concurrent with the City's annual budget. The ICIP plans for the allocation of existing and anticipated financial resources to replace, renew, expand, or acquire new capital stock, facilities, and infrastructure. The first year of the ICIP is the basis for actual appropriations authorized by the Governing Body for capital projects when adopting the annual budget, while the remaining four years constitute the primary basis upon which subsequent annual capital budgets will be formulated and present a multi-year projection of capital needs and financing requirements.

Beginning in fiscal year 2010, the ICIP development and implementation process was reconstituted under the Department of Financial Services. Per the City's ICIP Policy, the Financial Services Department has lead responsibility in coordinating the tasks and activities necessary to successfully administer the City's Capital Improvement Program. Development of the FY 2025 ICIP

commenced in December 2023 concurrent with the annual budget process. Detailed instructions pertaining to the ICIP development process and identification of projects were disseminated to all departments on December 12, 2023. The process of soliciting project requests involved the following steps:

1. Reviewing the status of previously authorized capital projects.
2. Soliciting project requests
3. Selecting and programming capital projects for the ICIP

Decisions regarding capital projects programmed in the ICIP were made upon capital plan reviews conducted by the City Manager in Spring 2024. These capital plan reviews allowed the City Administration to hear from senior management staff about the evaluation of capital needs and the desired service outcomes, which form the basis of all project requests. The City Manager's Recommended ICIP was submitted to the Mayor and Governing Body on April 15, 2024 pursuant to Article VI of the City Charter and a budget work session with the Governing Body was conducted on April 25, 2024. Public hearings were conducted on May 9 and 23, 2024 pursuant to Article VI of the City Charter and the Governing Body adopted the FY 2025 ICIP on May 23, 2024 (Resolution 42, Enactment 24-041). The ICIP was subsequently revised to incorporate project roll forward balances at Fiscal Year 2024 year-end. The Governing Body adopted the Final Budget which contained all project roll forward balances on July 25, 2024 (Resolution 59, Enactment 24-057).

Capital Improvements: One-Year Plan

The FY 2025 Capital Plan consists of $55.3 million in new capital appropriations, $3.8 million in new repair and minor equipment appropriations, and $163.1 million in roll forward appropriations and/or anticipated funding sources for a grand total of $222.2 million in planned spending. Sources include both pay-as-you-go (use of current financial resources) and debt financing sources.

Type of Financing	FY 2025	% of Total
Pay as You Go	$181,053,794	81%
Debt Financing	$32,446,354	15%
To Be Determined*	$8,726,246	4%
TOTAL	$222,226,394	100%

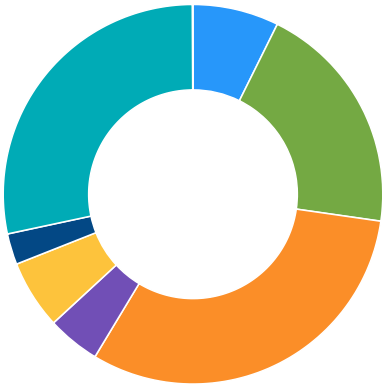
*Amounts "To Be Determined" are considered deferred capital needs until funding is identified.

Total Capital Requested

$222,226,394

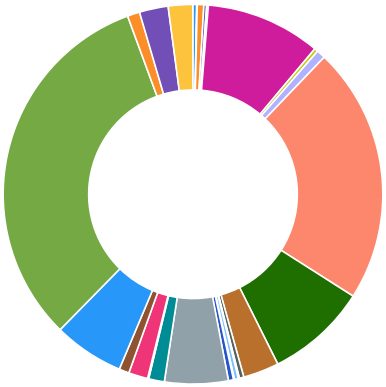
87 Capital Improvement Projects

Total Funding Requested by Department



Administration (7%)	$16,284,035.00
C.I.F. Wastewater (20%)	$44,317,755.00
C.I.F. Water Production (31%)	$69,723,816.00
Fire (5%)	$10,007,859.00
Parks, Recreation & Community Services (6%)	$13,011,429.00
Police (3%)	$5,888,253.00
Public Works (28%)	$62,903,590.00
Recycle Water (0%)	$89,657.00
TOTAL	**$222,226,394.00**

Total Funding Requested by Source



Automated Traffic Enforcement (0%)	$699,451.00
Bikeway and Trail Impact Fees (0%)	$101,890.00
Cannabis Excise Tax (1%)	$1,252,000.00
Cell Tower Revenue (0%)	$538,676.00
County Grant (0%)	$250,436.00
Emergency Medical Fund (0%)	$4,395.00
Facility Fees (0%)	$60,000.00
Federal Grant (10%)	$21,778,262.00
Fire Protection Fund (0%)	$675,038.00
General Fund Direct (1%)	$1,658,997.00
General Fund Transfer (22%)	$48,601,736.00
General Obligation Bonds (9%)	$19,125,529.00
Higher Education GRT (3%)	$6,782,208.00
Lodger's Tax (0%)	$864,500.00
Municipal Gas Tax Fund (0%)	$141,375.00
Park Impact Fees (0%)	$62,151.00
Public Safety Impact Fees (0%)	$727,838.00
Recreation Activities (0%)	$189,742.00
Road Impact Fees (0%)	$959,126.00
State Grant (5%)	$12,039,478.00
To Be Determined (1%)	$2,939,705.00
To Be Determined_County Grant (0%)	$220,000.00
To Be Determined_SAP (2%)	$3,666,541.00
To Be Determined_TPF (1%)	$1,900,000.00
UT Loan Proceeds (6%)	$13,320,825.00
Utility Net Revenue (32%)	$71,221,404.00
Wastewater Impact Fees (1%)	$2,338,932.00
Water Impact Fees (2%)	$5,445,409.00
Water Rights Acquisition (2%)	$4,660,750.00
TOTAL	**$222,226,394.00**

Below is a summary of new capital appropriations and their purpose for FY 2025:

General Fund Direct and General Fund Transfers $22,835,379

- Public safety including improvements to fire stations and the Police Department headquarters and emergency dispatch, and equipment including police vehicles and fire apparatus/equipment ($4,967,994).
- Park maintenance equipment ($333,572).
- Drainage and roadway projects including hybrid mill and inlay roadwork and Sara Road reconstruction ($13,789,329).
- Purchase of vehicles, wheeled equipment, and radio equipment ($1,312,984).
- Security cameras and badge access projects ($434,000).
- Improvements to various City buildings and facility improvements including City Hall, Loma Colorado and Esther Bone libraries, and to plan and design an operational annex and multi-generational center ($1,997,500).

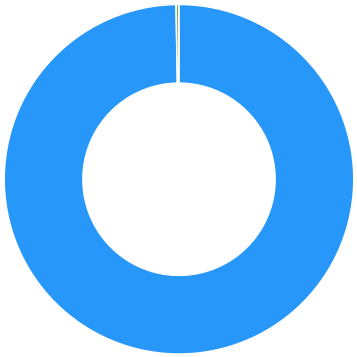
Special Fund Sources $6,059,088

- Fire & Rescue Department training facility design, station remodeling, and rescue replacement (Fire Protection and Public Safety Impact Fees - $754,883).
- Improvements to Aquatic Center, community centers, and park facilities including Campus Park Phase 2 (Cannabis Excise Tax, Lodger's Tax, Cell Tower revenue, Federal Grants - $2,885,206).
- Police vehicles (STOP program, Public Safety Impact Fees, and GO Bond - $493,697).
- Esther Bone Library and Veteran's Memorial Park Parking Lot (County Grant - $100,000)
- Intelligent Traffic Systems and Americans with Disabilities Act-related improvements (Municipal Gas Tax - $92,400).
- Road and Drainage projects including Idalia Road Culvert Crossing (Grants and GO Bond - $1,732,902)

Utility Fund Sources $ 26,430,736

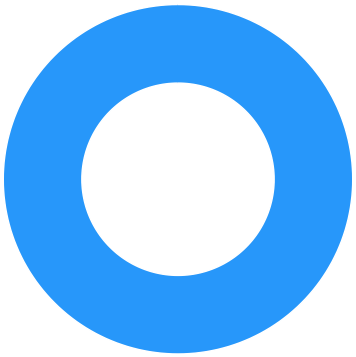
- Purchase of vehicles and wheeled equipment ($2,097,369).
- Construction of Well 17 booster station and water line ($3,300,000).
- Construction of Northern Boulevard and North Hills water line ($3,750,000).
- Construction of Unser Boulevard water line from the City Center Tank to Tank 15 ($2,000,000).
- Construction of water lines related to hybrid mill and inlay roadway work ($6,500,000).
- Construction of Sara Road and Barbara Loop water lines ($1,950,000).
- Acquisition of water rights ($1,705,001).
- Well 17 Chemical Storage Canopy and Well 6 Sodium Hypochlorite System replacement ($463,945).
- Construction of Wastewater Treatment Plant 2 Headworks ($572,946).
- Construction of Wastewater Treatment Plant 5 expansion ($2,000,000).
- Construction of improvements to Lift Station 22 ($1,750,000).
- Design of improvements to Lift Station 2 ($300,000).
- Collection system aerator for lift stations and degassing filter system ($41,475).

Capital Costs Breakdown



Capital Costs (100%)	$222,226,394.00
Operational Costs (0%)	$582,716.00
TOTAL	**$222,809,110.00**

Cost Savings & Revenue Breakdown



Cost Savings (100%)	$383,255.00
TOTAL	**$383,255.00**

Estimate of Net Operating Impact

The following table presents the estimate of net operating impact for select capital projects anticipated to be undertaken in Fiscal Year 2025. The net operating impact on the City's budget is anticipated to be additional costs of $200,961 for FY 2025 in large part due to operation of a new bookmobile, expansion of wastewater treatment operations, and maintenance and operation associated with Campus Park Phase 2 and Broadmoor Senior Center.

Request Title	Department	FY 2025 Capital Cost	FY 2025 Operational Costs	FY 2025 Cost Savings	FY 2025 Net Operating Cost	Budgeted Years Capital Cost	Budgeted Years Operational Costs	Budgeted Years Cost Savings	Budgeted Years Net Operating Cost
Bookmobile	Administration	300,000	177,421	-	177,421	300,000	985,501	-	985,501
General Fleet Vehicles and Heavy Equipment	Administration	500,000	1,100	6,255	(5,155)	2,500,000	7,975	27,855	(19,880)
Loma Colorado Library Learn and Play Space	Administration	-	-	-	-	500,000	2,000	-	2,000
Multi-Purpose Event Center	Administration	2,872,500	10,000	-	10,000	5,337,500	20,000	-	20,000
	Administration Total	**15,058,089**	**188,521**	**6,255**	**182,266**	**25,184,589**	**1,015,476**	**27,855**	**987,621**
Laboratory	C.I.F. Wastewater	-	30,000	-	30,000	1,500,000	150,000	-	150,000
Lift Station 15 Improvements	C.I.F. Wastewater	-	-	-	-	4,000,000	181,800	32,000	149,800
Lift Station 2 Replacement	C.I.F. Wastewater	300,000	-	-	-	4,000,000	241,800	-	241,800
Lift Station 21 Improvements	C.I.F. Wastewater	391,812	-	-	-	4,391,812	211,800	32,000	179,800
Lift Station 22 Improvements	C.I.F. Wastewater	6,652,126	-	30,000	(30,000)	6,652,126	-	271,800	(271,800)
Wastewater Treatment Plant (WWTP) 2 Headworks	C.I.F. Wastewater	20,510,075	20,000	-	20,000	20,510,075	82,000	-	82,000
Wastewater Treatment Plant (WWTP) 5 Headworks, Membranes and Equipment Expansion	C.I.F. Wastewater	2,933,878	50,000	-	50,000	2,933,878	250,000	-	250,000
Wastewater Treatment Plant (WWTP) 5 Membrane Bioreactor (MBR) Expansion	C.I.F. Wastewater	-	50,000	-	50,000	28,850,000	250,000	-	250,000
	C.I.F. Wastewater Total	**41,831,221**	**155,000**	**35,000**	**120,000**	**124,504,163**	**1,392,400**	**360,800**	**1,031,600**
Booster Station and Transmission Line Well 17	C.I.F. Water Production	9,062,639	-	-	-	9,062,639	180,000	-	180,000
Hydroexcavator Storage Garage Northern	C.I.F. Water Production	-	5,000	500	4,500	850,000	25,000	2,500	22,500
Boulevard and North Hills Waterline	C.I.F. Water Production	3,881,058	-	-	-	7,631,058	-	500,000	(500,000)

Well Site Security and SCADA **$349,084**

Well site security and SCADA improvements. Well site security ranges from hardening areas with fencing and concrete masonry unity walls to integration and control improvements for cybersecurity resilience.

Total: $69,723,816

C.I.F. Wastewater Requests

Itemized Requests for 2025

Equipment for Wastewater Operations **$36,800**

Major equipment for wastewater collection, treatment, and outfall operations.

Install/Replace Sanitary Sewer Lines **$9,762,695**

Design and construct new and replacement sanitary sewer lines and force mains based on infrastructure assessments, growth needs and concurrent with scheduled road construction. FY2025 NM 528 Force Main Willow Creek/Idalia Road to Lift...

Lift Station 2 Replacement **$300,000**

Lift Station 2 located on Southern Blvd and Nicklaus Drive is in conflict with the Southern Boulevard reconstruction project from Golf Course Road to Southern Boulevard. The relocation design was started under the roadway project but has been...

Lift Station 21 Improvements **$391,812**

Lift Station 21 near Riverside Drive and NM 528 needs improvements to keep up with the population growth in the area and to prevent spills near the Rio Grande River by Rivers Edge 2. The lift station was constructed between 2001 and 2003 and...

Lift Station 22 Improvements **$6,650,882**

The Lift Station 22 project is an upgrade to the existing Lift Station 22 located near Corrales Road and NM 528. The new Lift Station 22 located adjacent to the existing lift station will allow the sewer pump station to pump to WWTP 2 directly...

Security and SCADA Improvements at WWTPs and Lift Stations **$275,357**

Security improvements at Wastewater Treatment Plants (WWTPs) and lift stations, including servers, electronics, and hardening/SCADA.

Vactor Equipment Garage **$500,000**

Plan, design and construct a new heated garage to store vactor equipment to prevent the equipment from freezing during cold weather months.

Wastewater Treatment Plant (WWTP) 2 Headworks **$21,082,748**

Wastewater Treatment Plant (WWTP) 2 headworks is reaching the end of its design life after 20+ years of service and must be upgraded to properly remove and screen out grit and waste upfront of the plants aeration systems to maintain effluent...

Wastewater Treatment Plant (WWTP) 5 Headworks, Membranes and Equipment Expansion **$2,629,903**

Plan, design and construct improvements to Wastewater Treatment Plant (WWTP) 5 including headwords screening improvements, additional membranes and associated equipment, aeration basin improvements, infiltration gallery improvements and SCADA and...

Wastewater Vehicles and Heavy Equipment **$2,687,558**

Vehicles and heavy equipment used for repair and maintenance of wastewater and recycled water infrastructure. Annual budgets may include vehicles and heavy equipment such as wastewater hydroexcavator trucks, tanker trucks, and dump trucks...

Total: $44,317,755

Recycle Water Requests

Itemized Requests for 2025

Injection Wells and Advanced Water Treatment Facility	**$89,657**
Injection Wells and Advanced Water Treatment Facility. Location to be determined.	

Total: $89,657

Section 3	Stormwater Management Program Status of Implementation
	3.1 City of Rio Rancho MS4 Stormwater Management Program

NOI Section	ID	Permit Activity Description	Measurable Goal	Status of Implementation and Performance Assessment Permit Year July 2015 to June 2016 (Permit Year 1)	Status of Implementation and Performance Assessment Permit Year July 2016 to June 2017 (Permit Year 2)	Status of Implementation and Performance Assessment Permit Year July 2017 to June 2018 (Permit Year 3)	Status of Implementation and Performance Assessment Permit Year July 2018 to June 2019 (Permit Year 4)	Permit Required Implementation Schedule	Cooperative Implementation Schedule	Cooperative Permit Required Implementation Schedule (Months)	Responsible Personnel
	3	**Part I.C - Special Conditions**									
	4	**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	5	According to the requirements in Part I.C.1.d and Part I.C.3.a.(ii), certain 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 & Part I.C.3.a - Dissolved Oxygen Strategy in Receiving Waters of the Rio Grande.	**Not Applicable**								
Not Included in NOI	6	Part I.C.1.d.(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;	**Not Applicable**								
Not Included in NOI	7	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;	**Not Applicable**								
Not Included in NOI	8	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.	**Not Applicable**								

NOI Section	ID	Permit Activity Description	Measurable Goal	Status of Implementation and Performance Assessment Permit Year July 2015 to June 2016 (Permit Year 1)	Status of Implementation and Performance Assessment Permit Year July 2016 to June 2017 (Permit Year 2)	Status of Implementation and Performance Assessment Permit Year July 2017 to June 2018 (Permit Year 3)	Status of Implementation and Performance Assessment Permit Year July 2018 to June 2019 (Permit Year 4)	Permit Required Implementation Schedule	Cooperative Implementation Schedule	Cooperative Permit Required Implementation Schedule (Months)	Responsible Personnel
Not Included in NOI	9	(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. in addition, to meet Part I.C.3.a.(ii).(b) requirements, an annual incidental take report must be submitted as well as 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.	**Not Applicable**								
Not Included in NOI	10	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.	**Not Applicable**								
Not Included in NOI	11	According to the requirements in Part I.C.3.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.	**Not Applicable**								

NOI Section	ID	Permit Activity Description	Measurable Goal	Status of Implementation and Performance Assessment Permit Year July 2015 to June 2016 (Permit Year 1)	Status of Implementation and Performance Assessment Permit Year July 2016 to June 2017 (Permit Year 2)	Status of Implementation and Performance Assessment Permit Year July 2017 to June 2018 (Permit Year 3)	Status of Implementation and Performance Assessment Permit Year July 2018 to June 2019 (Permit Year 4)	Permit Required Implementation Schedule	Cooperative Implementation Schedule	Cooperative Permit Required Implementation Schedule (Months)	Responsible Personnel
Not Included in NOI	12	According to the requirements in Part I.C.3.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, the 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.				Not Applicable				

NOI Section	ID	Permit Activity Description	Measurable Goal	Status of Implementation and Performance Assessment Permit Year July 2015 to June 2016 (Permit Year 1)	Status of Implementation and Performance Assessment Permit Year July 2016 to June 2017 (Permit Year 2)	Status of Implementation and Performance Assessment Permit Year July 2017 to June 2018 (Permit Year 3)	Status of Implementation and Performance Assessment Permit Year July 2018 to June 2019 (Permit Year 4)	Permit Required Implementation Schedule	Cooperative Implementation Schedule	Cooperative Permit Required Implementation Schedule (Months)	Responsible Personnel
	13	**Compliance with Water Quality Standards – PCBs - Part I.C.1.e**									
Not Included in NOI	14	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.	**Not Applicable**								
Not Included in NOI	15	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 & North Diversion Channel Bernalillo Co. Areas: Adobe Acres Drain, Alameda Outfall Channel, Paseo del Norte Outfall Channel, & Sanchez Farm Drainage Area.	**Not Applicable**								
Not Included in NOI	16	A cooperative strategy to address PCBs in the COA, AMAFCA and Bernalillo County's drainage areas may be developed between Bernalillo County, AMAFCA, and the COA. If a cooperative strategy is developed, the cooperative strategy shall be submitted to EPA within 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.	**Not Applicable**								

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	17	**Compliance with Water Quality Standards – Temperature - Part I.C.1.f**									
Not Included in NOI	18	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 thirty (30) days such as findings, the permittees must develop and implement a strategy to eliminate conditions that cause or contribute to these exceedances.	**Not Applicable**								
Not Included in NOI	19	The strategy must include: (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; (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	**Not Applicable**								
Not Included in NOI	20	(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.	**Not Applicable**								

NOI Section	ID	Permit Activity Description	Measurable Goal	Status of Implementation and Performance Assessment Permit Year July 2015 to June 2016 (Permit Year 1)	Status of Implementation and Performance Assessment Permit Year July 2016 to June 2017 (Permit Year 2)	Status of Implementation and Performance Assessment Permit Year July 2017 to June 2018 (Permit Year 3)	Status of Implementation and Performance Assessment Permit Year July 2018 to June 2019 (Permit Year 4)	Permit Required Implementation Schedule	Cooperative Implementation Schedule	Cooperative Permit Required Implementation Schedule (Months)	Responsible Personnel
	21	**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	22	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:	CORR's measurable goals for compliance with the Permit activities are described in the sections below.					See specific Permit activity schedules below.			Program Lead: NDPES Project Manager Implementation: Development Services Engineering Division
Not Included in NOI	23	(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. 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); 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 clogging sanitary sewer lines and resulting overflows; decorative ponds; and pet waste).	• CORR will include the MRGSWQT Outcomes Report in each Annual Report which will summarize the activities or planned activities where educational materials are distributed. • CORR will address the Illicit Discharge and Dumping through its IDDE Program, refer to the SWMP - Table 6: Illicit Discharges and Improper Disposal - for additional information. • The Utility Operations Section will continue coordination with the NPDES Project Manager; informing CORR and SSCAFCA of any sewer overflows that impact CORR/SSCAFCA facilities.					Address targeted controls in SWMP. Progress report submitted with each Annual Report (Due Dec. 1).			Program Lead: NDPES Project Manager Implementation: Development Services Engineering Division and Utility Operation Division

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Not Included in NOI	24	(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. The value of the measurable goal must be based on one of the options presented in Part (No Suggestions).(i).(c) related to the WLA. 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).	• CORR will address the Illicit Discharge and Dumping through its IDDE Program, refer to the SWMP - Table 6: Illicit Discharges and Improper Disposal - for additional information. This IDDE program includes illicit discharge monitoring by CORR staff and contractors, internal coordination of information provided by the public and tracking and documentation procedures. • CORR will continue to participate in MRGSWQT "Scoop the Poop" public information campaign. • CORR will include the MRGSWQT Outcomes Report in each Annual Report which will summarize the activities or planned activities related to targeting pet waste sources and residential education targeting bacteria sources.					Address measurable goals of targeted controls in SWMP. Progress report submitted with each Annual Report (Due Dec. 1).			Program Lead: NDPES Project Manager Implementation: Development Services Engineering Division and MRGSWQT
Not Included in NOI	25	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.	• CORR will include the MRGSWQT Outcomes Report in each Annual Report which will track the number of educational outreach opportunities conducted and list the number of people reached through the educational outreach program. • CORR will conduct stormwater monitoring in accordance with Table 10, Wet Weather Monitoring Program, Part III.A.1. The goals and plan for this program are described in the Wet Weather Monitoring Program portion of this SWMP.					Address monitoring and assessment of measurable goals of targeted controls in SWMP. Progress report submitted with each Annual Report (Due Dec. 1).			Program Lead: NDPES Project Manager Implementation: Development Services Engineering Division and MRGSWQT

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Not Included in NOI	26	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.	CoRR, in cooperation with the TAG, MRGSQT, and CMC has observed progress towards E. coli controls and measurable goals, as demonstrated by the fact that the impairment for E. coli has been removed from the NMED 303 (d) list for 2 of the 3 assessment segments along the river within the Middle Rio Grande corridor. CoRR will continue to annually assess and evaluate the program and progress in achieving the measurable goals listed above.			• CoRR and the Middle Rio Grande MS4 permittees have made significant progress during this Permit term related to E. coli controls and measurable goals. In addition to 6 of the 7 Permit required samples collected by the CMC from the runoff for qualifying storm events, the MRGSQT has funded an additional year of dry weather E.coli data collection by college students in the BEMP program to better understand the baseline concentration of E. coli before storm events. The MRGSQT also funded a graduate student's master's thesis that studied the variability of E. coli concentrations in a water column compared to the juxtaposed sediment. A Watershed Protection Plan will continue to be an option as funding becomes available and AMAFCA will continue the discussion of the possibility of a High Flow Suspension for Recreational uses of river water. In FY 2018, the COA began a Microbial Source Tracking (MST) study; sample collection is underway for this project.		If required, end of the third year from the effective date of the permit. Dec. 22, 2017			Program Lead: NDPES Project Manager Implementation: Development Services Engineering Division
Not Included in NOI	27	From Table 1.a, Identify potential significant sources of the pollutant of concern entering your MS4.	• 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.	Fully Implemented: 2016 Weston Solutions, INC provides an evaluation of potential wet weather bacteria sources with the urbanized City of Rio Rancho. See SWMP Appendix F - Potential Bacteria Source Map.				16 months (cooperative) from effective date of MS4 Permit April 22, 2016	**April 22, 2016**	**16**	Program Lead: NDPES Project Manager Implementation: Development Services Engineering Division and TAG
Not Included in NOI	28	From 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.	• CORR will contribute and participate in the MRGSWQT. • CORR will include the MRGSWQT Outcomes Report in each Annual Report which will summarize the activities or planned activities related to targeting pet waste sources and residential education targeting bacteria sources.	Fully Implemented: See Attached Section 4 - MRG SQT Outcomes Report FY 2015-16	Fully Implemented See Attached Section 4 - MRG SQT Outcomes Report FY 2016-17	Fully Implemented - Continuing to implement existing program, updating as necessary.	Fully Implemented - Continuing to implement existing program, updating as necessary.	16 months (cooperative) from effective date of MS4 Permit April 22, 2016	**April 22, 2016**	**16**	Program Lead: NDPES Project Manager Implementation: Development Services Engineering Division
Not Included in NOI	29	From 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.	• CORR will continue membership and involvement in the cooperative MRGSWQT which will conduct educational and public outreach as well as facilitate cooperation and coordination with other MS4s in the Middle Rio Grande related to screening and notification of illicit discharges.	In Progress: Completed by Weston Solutions, Inc. August 12, 2015 CoRR, Task Order 3 - Providing assistance with modifying or revising existing elements in the IDDE program.				18 months (cooperative) from effective date of MS4 Permit June 22, 2016	**June 22, 2016**	**18**	Program Lead: NDPES Project Manager Implementation: Development Services Engineering Division
Not Included in NOI	30	From 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.	• CORR addresses this Permit activity in the IDDE Program, refer to the SWMP - Table 6: Illicit Discharges and Improper Disposal - for additional information.	Given data collected, trends have not been identified.				18 months (cooperative) from effective date of MS4 Permit June 22, 2016	**June 22, 2016**	**18**	Program Lead: NDPES Project Manager Implementation: Development Services Engineering Division

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Not Included in NOI	31	From 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).	• CORR will review its IDDE Program results annually and identify illicit discharges that contributed bacteria to the MS4. • CORR will develop strategies to address IDDEs found to contribute bacteria. The development and implementation of strategies will depend on the results. These strategies will be reported in subsequent Annual Reports.		In Progress: Completed by Weston Solutions, Inc. August 12, 2015 CoRR, Task Order 3 - Providing assistance with modifying or revising existing elements in the IDDE program.			16 months (if alone) or 20 months (cooperative) from effective date of MS4 Permit April. 22, 2016 or August 22, 2016	**August 22, 2016**	**20**	Program Lead: NDPES Project Manager Implementation: Development Services Engineering Division
Not Included in NOI	32	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.	• CORR will include the MRGSWQT Outcomes Report in each Annual Report. • Strategies developed to address IDDEs found to contribute bacteria to the MS4 will be reported in subsequent Annual Reports. • CORR 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. This will include graphical representation of E. coli trends.	Dry Weather Visual Screening was conducted at seven (7) direct outfalls (High Priority) on Feb. 10, 2016. No discharges observed during screening. See IDDE Program Binder or Annual Report.	Dry Weather Visual Screening was conducted at seven (7) direct outfalls (High Priority) on Jun. 16, 2017. No discharges observed during screening. See Annual Report: Performance Assessment - MS4 Dry Weather Discharge Screening Report..	Dry Weather Visual Screening was conducted at seven (7) direct outfalls (High Priority) on August 18, 2017. No discharges observed during screening. See Annual Report: Performance Assessment - MS4 Dry Weather Discharge Screening Report.	Dry Weather Visual Screening was conducted at seven (7) direct outfalls (High Priority) on Jun. 13, 2019. No discharges observed during screening. See Annual Report: Performance Assessment - MS4 Dry Weather Discharge Screening Report.	Annual Report (due Dec. 1)	**Update as necessary**		Program Lead: NDPES Project Manager Implementation: Development Services Engineering Division and MRGSWQT

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	33	**Discharges to Impaired Waters Without Approved TMDLs - Part I.C.2.b.(ii)**									
Not Included in NOI	34	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).	• Impairment for Dissolved Oxygen is addressed in the Endangered Species Act (ESA) section - Part I.C.3. Phase 1 permittee requirement only. • Impairment for PCBs is addressed in Compliance with Water Quality Standards - PCBs - Part I.C.1.e. Phase 1 permittee requirement only. • Impairment for Temperature is addressed in Compliance with Water Quality Standards - Temperature - Part I.C.1.f. Phase 1 permittee requirement only. • Compliance monitoring (Part III.A) includes Gross Alpha testing. Future assessment related to the impairment will be based on results of those samples.								Program Lead: NDPES Project Manager Implementation: Development Services Engineering Division, MCM, and TAG
Not Included in NOI	35	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 permittees 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.	• 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 these impairments will be based on results of the stormwater samples.								

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	36	**Endangered Species Act (ESA) Requirements - Sediment Pollutant Load Reduction Strategy - Part I.C.3.b**									
Not Included in NOI	37	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):	CORR's measurable goals for compliance with the Permit activities are described in the sections below.					See specific Permit activity schedules below.			
Not Included in NOI	38	(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.	• CORR's O&M activities, which include sediment removal, will be scheduled, tracked, and evaluated for the Sediment Assessment requirement for this Permit activity. • CORR will document its procedure for sediment removal, scheduling, and tracking related to using this information for the Sediment Assessment.					No Permit required schedule. Progress Report for the entire Sediment Pollutant Load Reductions Strategy to be submitted with the fifth Annual Report. Dec. 1, 2019			Program Lead: NDPES Project Manager Implementation: Development Services Engineering Division
Not Included in NOI	39	(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.	• CORR will utilize the data collected in the Sediment Assessment for estimating baseline sediment loading to its facilities.					No Permit required schedule. Interim reporting on progress required annually. Progress Report for the entire Sediment Pollutant Load Reductions Strategy to be submitted with the fifth Annual Report. Dec. 1, 2019			

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Not Included in NOI	40	(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.	• After analyzing the Sediment Assessment findings, CORR will improve this program and program tracking to meet the Permit activity requirements. • CORR will begin adding a detailed description and photo for each facility (each existing targeted control) to its tracking spreadsheet or program procedure.					No Permit required schedule. Interim reporting on progress required annually. Progress Report for the entire Sediment Pollutant Load Reductions Strategy to be submitted with the fifth Annual Report. Dec. 1, 2019			
Not Included in NOI	41	(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.	• CORR will include in each Annual Report a progress update for this program.					Update as necessary for SWMP and report on progress with each Annual Report.			
Not Included in NOI	42	(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; (e) 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).	• CORR will complete and provide to EPA with the fifth Annual Report, due Dec. 1, 2019, a Progress Report on the Sediment Pollutant Load Reduction Strategy. This Progress report will meet the Permit requirements.					Progress Report to be submitted with the fifth Annual Report Dec. 1, 2019			

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Not Included in NOI	43	(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/.	• CORR will continue its practice of coordination with the USFWS and USACE, as required, related to CORR's facility construction projects.					No Permit required schedule. Ongoing requirement of the MS4 Permit.			

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	44	**Part I.D.5 - Stormwater Management Plan (SWMP) Control Measures**									
	45	**TABLE 2: Construction Site Stormwater Runoff Control - Part I.D.5.a**									
See NOI Sections Below	46	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 permittees own construction projects)	• Coordinate CSSRCP requirements (as detailed in Program and in sections below)	Continuing to implement existing stormwater program, updating as necessary.							Program Lead: NDPES Project Manager Implementation: Development Services Engineering Division
1.1	47	Development of an ordinance or other regulatory mechanism as required in Part I.D.5.a.(ii)(a)	CORR will continue to work with the MS4 Technical Advisory Group (TAG) and other agencies to discuss and help develop and/or enhance existing regulatory mechanisms.	Full Implemented: CORR Municipal Code 153.35(F)(2)(d).				N/A	**June 22, 2016**	**18**	Program Lead: Development Services Engineering Division Manager Implementation: Development Services Department
1.2	48	Develop requirements and procedures as required in Part I.D.a(ii).(b) through Part I.D.a(ii).(h). These Permit sections include requirements for CORR to implement and enforce requirements for construction site operators to 1) implement appropriate erosion and sediment control BMPs - Part I.D.a(ii).(b) and 2) control waste at the construction site that may cause adverse impacts to water quality - Part I.D.a(ii).(c). Permit sections also include requirements to develop procedures for site plan review which incorporate consideration of potential water quality impacts - Part I.D.a.(ii).(d); receipt and consideration of information submitted by the public - Part I.D.a.(ii).(e); site inspection (during construction) and enforcement of control measures - Part I.D.a.(ii).(f); to educate and train permittee personnel and developers, construction site operators, contractors and supporting personnel - Part I.D.a.(ii).(g); and for keeping records of and tracking all regulated construction activities within the MS4 - Part I.D.a.(ii).(h).	• Review site plans and the SWPPPs for CORR-owned projects disturbing at least one acre in order to consider potential water quality impacts and ensure consistency with federal, state and local sediment and erosion control requirements. Ensure SWPPPs for projects are developed by qualified individuals. • Conduct pre-construction meetings on CORR-owned construction projects disturbing at least one acre prior to beginning earth-disturbing activities in order to discuss the SWPPP, NOI and BMPs. • CORR will post a contact phone number at all required construction sites. • In a cooperative effort with SSCAFCA, the DSD ENG reviews private development that has a direct connection to CORR facilities for projects disturbing at least one acre. Review includes stormwater conveyance, water quality and erosion control. • CORR will maintain records of all CORR-owned construction projects disturbing at least one acre within its rights-of-way.	Fully Implemented - Continuing to implement existing program, updating as necessary.					**June 22, 2016**	**18**	Program Lead: NDPES Project Manager Implementation: Development Services Engineering Division

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1.3	49	Annually conduct site inspections of 100 percent of all construction projects cumulatively disturbing one (1) or more acres as required in Part I.D.a.(iii)	• CORR will complete the inspections for 100% of the active construction sites under contract by CORR which disturb at least one acre. • CORR will develop a SWPPP inspection form and will track all MS4 inspections using a tracking spreadsheet. • CORR will maintain copies of the completed MS4 inspection forms. • CORR 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.	Fully Implemented - Continuing to implement existing program, updating as necessary.					**December 22, 2016**	**24**	Program Lead: NDPES Project Manager Implementation: Development Services Engineering Division
1.4	50	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.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.	• CORR will continue regular coordination amongst engineering staff and to verify that BMPs are in place to control erosion during construction on CORR-owned projects.	In Progress - Continuing to coordinate and implement existing program, updating as necessary.	In Progress - Continuing to coordinate and implement existing program, updating as necessary.	Fully Implemented: Weston Solutions, Inc. provided draft stormwater quality ordinance to NAIOP on 3/21/2018. Planning & Zoning Board - Approves the Ordinance amending the Rio Rancho Code of Ordinances Title XV Land Usage, Chapter 153 Erosion Control; Storm Drainage Sections 153.01 – 153.38		10 months from effective date of MS4 Permit Oct. 22, 2015	**February 22, 2016**	**14**	
1.5	51	Evaluation of GI/LID/Sustainable practices in site plan reviews as required in Part I.D.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.	• CORR will annually report the number of plans that were reviewed within CORR's right-of-ways that had opportunities to implement GI/LID/Sustainable practices and how many incorporated these practices.	In Progress - Continuing to coordinate and implement existing program, updating as necessary.	In - Process - Task Order - MS4 Watershed Based Permit Rio Rancho Ordinance Modification. Notice to Proceed issued to Weston Solutions, Inc. on March 16, 2017	Fully Implemented: On May 23, 2018 amendments to the Chapter 153 Erosion Control; Storm Drainage and Stormwater Quality Ordinance was adopted. See Section 153.35(F)(2)(e) Stormwater Quality Design (SQD).		14 months (cooperative) from effective date of MS4 Permit February 22, 2016	**February 22, 2016**	**14**	N/A
Not Included in NOI	52	Update the SWMP document and annual report as required in Part I.D.5.a.(vi) and in Part I.D.5.a.(vii)	• Annually evaluate and revise the CSSRCP, as necessary, to ensure that CORR's Program meets the MS4 Permit requirements. • Include in each annual report a summary of the number and frequency of site reviews and inspection activities that are conducted annually and cumulatively during the permit term.	See Annual Report, Section 4. Construction.	See Annual Report, Section 4. Construction.	See Annual Report, Section 4. Construction.	See Annual Report, Section 4. Construction, and SWMP Section 5.3 CGP Compliance Inspection List	Update as necessary for SWMP and annually for Annual Report	**Update as necessary**		Program Lead: NDPES Project Manager Implementation: Development Services Engineering Division
1.6	53	Enhance the program to include the elements in Part I.D.5.a.(viii) through part I.D.5.a.(x). These include: (viii) Use of stormwater educational materials; (ix) Develop or update existing construction handbooks; and (x) construction inspections may be carried out in conjunction with other inspections and use a screening prioritization process.	• CORR will include the MRGSWQT Outcomes Report in each Annual Report which will summarize the activities where educational materials were dispersed and shared with the public. • CORR will continue to attend and participate in the TAG to exchange information with other MS4s regarding potential program enhancements.	Fully Implemented: The Middle Rio Grande Stormwater Quality Team Outcomes Report provides a summary of public education and outreach plan. Performance assessment can be found in the (Jul. 2015-Jun. 2016) Annual Report	Fully Implemented: The Middle Rio Grande Stormwater Quality Team Outcomes Report provides a summary of public education and outreach plan. Performance assessment can be found in the (Jul. 2016-Jun. 2017) Annual Report.	Fully Implemented: The Middle Rio Grande Stormwater Quality Team Outcomes Report provides a summary of public education and outreach plan. Performance assessment can be found in the (Jul. 2017-Jun. 2018) Annual Report.	Fully Implemented: The Middle Rio Grande Stormwater Quality Team Outcomes Report provides a summary of public education and outreach plan. Performance assessment can be found in the (Jul. 2018-Jun. 2019) Annual Report.	Update as necessary for SWMP and annually for Annual Report	**Update as necessary**		Program Lead: NDPES Project Manager Implementation: Development Services Engineering Division

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	54	**TABLE 3: Post-Construction Stormwater Management in New Development and Redevelopment- Part I.D.5.b**									
See NOI Sections Below	55	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 permittees own construction projects).	Track and enforce CORR Development Manual and federal USEPA NOI procedures for 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.	Continuing to implement existing program, updating as necessary.				See specific Permit activity schedules below.			Program Lead: NDPES Project Manager Implementation: Development Services Engineering Division
2.1	56	Development of strategies as required in Part I.D.5.b.(ii).(a). Strategies which include a combination of structural and/or non-structural best management practices (BMPs) to control pollutants in stormwater runoff.	• CORR will continue to include both structural and non-structural BMPs to control pollutants in stormwater runoff from CORR owned facilities.	In Progress - Continuing to implement existing program, updating as necessary.	In - Progress - Task Order - MS4 Watershed Based Permit Rio Rancho Ordinance Modification. Notice to Proceed issued to Weston Solutions, Inc. on May 5, 2017.	Fully Implemented: On May 23, 2018 amendments to the Chapter 153 Erosion Control; Storm Drainage and Stormwater Quality Ordinance was adopted. See Section 153.35(F)(2)(e). EPA publication number 832-R-14077 is included in the definition of Stormwater Quality Design Storm/Event.		10 months from effective date of MS4 Permit Oct. 22, 2015	**February 22, 2016**	**14**	Program Lead: NDPES Project Manager Implementation: Development Services Engineering Division
2.2	57	Development of an ordinance or other regulatory mechanism as required in Part I.D.5.b.(ii)(b)	• CORR will continue to work with the MS4 Technical Advisory Group (TAG) and other agencies to discuss and help develop regulatory mechanisms.		In - Progress - Task Order - MS4 Watershed Based Permit Rio Rancho Ordinance Modification. Notice to Proceed issued to Weston Solutions, Inc. on May 5, 2017.	Fully Implemented: On May 23, 2018 amendments to the Chapter 153 Erosion Control; Storm Drainage and Stormwater Quality Ordinance was adopted. See Section 153.21(B)(2)(f).		24 months (cooperative) from effective date of MS4 Permit Dec. 22, 2016	**December 22, 2017**	**36**	Program Lead: NDPES Project Manager Implementation: Development Services Engineering Division
2.3	58	Implementation and enforcement, via the ordinance or other regulatory mechanism of site design standards as required in Part I.D.5.b.(ii).(b).	• CORR will develop strategies to administratively or contractually address post-construction peak flow runoff from new development and redevelopment projects within CORR's jurisdiction and/or right of ways to the extent allowable under State, Tribal, or local law.			Fully Implemented: On May 23, 2018 amendments to the Chapter 153 Erosion Control; Storm Drainage and Stormwater Quality Ordinance was adopted. See Section 153.37 Enforcement.		36 months (cooperative) from effective date of MS4 Permit Dec. 22, 2017	**December 22, 2018**	**48**	Program Lead: NDPES Project Manager Implementation: Development Services Engineering Division
2.4	59	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).	• Ensure post-construction program requirements are constantly reviewed as appropriate to incorporate improvements in control techniques.		In - Progress - Task Order - MS4 Watershed Based Permit Rio Rancho Ordinance Modification. Notice to Proceed issued to Weston Solutions, Inc. on May 5, 2017.	Fully Implemented: On May 23, 2018 amendments to the Chapter 153 Erosion Control; Storm Drainage and Stormwater Quality Ordinance was adopted. See Section 153.21 Stormwater Quality Protection.		10 months from effective date of MS4 Permit Oct. 22, 2015	**June 22, 2017**	**30**	

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2.5	60	Develop procedures as required in Part I.D.5.b.(ii). (e) - for educational program for project developers; Part I.D.5.b.(ii). (f) - for site inspections and enforcement for long-term operation, maintenance, and repair of BMPs; Part I.D.5.b.(ii). (g) - for control of discharge related to pesticides, herbicides, and fertilizer; and Part I.D.5.b.(ii). (h) - for review and update of the post-construction program.	• CORR will include the MRGSWQT Outcomes Report in each Annual Report which will summarize, if applicable, the activities where educational materials were dispersed and shared with project developers.	All elements of the Proposed Plan have been implemented. See MRGSWQT Outcomes Report.				18 months (cooperative) from effective date of MS4 Permit June 22, 2016	**June 22, 2016**	**18**	Program Lead: NDPES Project Manager Implementation: Development Services Engineering Division
2.6	61	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.	• CORR will coordinate internally on studies and projects for MS4 Permit compliance with developed hydrology mimicking pre-development hydrology. CORR will abide by the NM OSE rule and plan/design its facilities to drain within 96 hours per the OSE requirements.	Fully Implemented: CORR requires all construction projects to adhere to the following design standard: CORR Development Manual, Vol. II, Storm Drainage Release Rate - The maximum discharge from developed property in the event of a 100 year 6 hour storm shall be the amount of the historic or pre-developed runoff in all watersheds in the City of Rio Rancho.				10 months from effective date of MS4 Permit Oct. 22, 2015	**December 22, 2015**	**12**	Program Lead: NDPES Project Manager Implementation: Development Services Engineering Division
2.7	62	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.	• CORR will assess existing codes, ordinances, planning documents and other applicable regulations for impediments to the use of GI/LID/Sustainable practices that CORR has jurisdiction over		In Progress - Reviewing existing Chapter 153 ordinance.	Fully Implemented: On May 23, 2018 amendments to the Chapter 153 Erosion Control; Storm Drainage and Stormwater Quality Ordinance was adopted. Chapter 153 promotes and encourages the use of GI/LID for water conservation in landscaping and in the treatment of stormwater prior to discharge to the WOTUS.		2 years from effective date of MS4 Permit Dec. 22, 2016	**December 22, 2016**	**24**	Program Lead: NDPES Project Manager Implementation: Development Services Engineering Division
2.8	63	As required in Part I.D.5.b.(iv), develop and submit a report of the assessment findings on GI/LID/Sustainable practices.	• CORR will develop and submit a report of the assessment findings on GI/LID/Sustainable practices. This will be completed in by March 2017 and submitted to the EPA with the Annual Report, due Dec. 1, 2017.					27 months (cooperative) from effective date of MS4 Permit March 22, 2017	**March 22, 2017**	**27**	Program Lead: NDPES Project Manager Implementation: Development Services Engineering Division
2.9	64	Estimation of the number of acres of IA and DCIA as required in Part I.D.5.b.(vi).	• CORR will estimate the IA and DCIA within regulated jurisdiction and/or right of way. This will be done annually as part of the Annual Report preparation. This will be a cooperative effort with other Middle Rio Grande MS4s.		In Progress - Working with Records and GIS Department	IA and DCIA boundary map created on July 27, 2017. City Boundary 66,438 acres, Urbanized Area Boundary 23,636 acres, Impervious Surface 5, 224 acres.		30 months (cooperative) from effective date of MS4 Permit June 22, 2017	**June 22, 2017**	**30**	Program Lead: NDPES Project Manager Implementation: Development Services Engineering Division

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2.10	65	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.	• CORR will continue to meet with agencies 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. • CORR will utilize the Project Schedule to prioritize water quality projects and water quality retrofit projects. • CORR 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. • CORR will evaluate the existing BMPs within its most urbanized watershed, the Montoya's Arroyo watershed, based on their effectiveness and capacity. These studies will provide the basis for determining where additional BMPs may be required within this watershed.			In-Progress - RFP process, site vest(s), design review.	Fully Implemented: Completed July 2, 2019 Engineering Design Analysis Report City of Rio Rancho MS4 Outfalls. Completed August 29, 2019 MS4 Outfall Improvements - engineering drawings, specifications, and probable cost.	42 months (cooperative) from effective date of MS4 Permit June 22, 2018	**June 22, 2018**	**42**	Program Lead: NDPES Project Manager Implementation: Development Services Engineering Division
2.11	66	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: (a) A description of master planning and project planning procedures to control the discharge of pollutants to and from the MS4. (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. (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.	• CORR will participate in meetings for project planning of infrastructure retrofitting either on a watershed wide or regional scale. • For projects led by CORR, watershed protection elements will be incorporated into Drainage Management Plans, as appropriate, in order to identify watersheds which potentially can be retrofitted with regional water quality facilities.		In Progress - Reviewing existing Chapter 153 ordinance.	Fully Implemented: On May 23, 2018 amendments to the Chapter 153 Erosion Control; Storm Drainage and Stormwater Quality Ordinance was adopted.		10 months from effective date of MS4 Permit Oct. 22, 2015	**June 22, 2017**	**30**	Program Lead: NDPES Project Manager Implementation: Development Services Engineering Division

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2.11	67	Continuation of incorporate watershed protection elements into regular planning or policy documents as required in 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. (e) Implement stormwater management practices that protect and enhance groundwater recharge as allowed under the applicable water rights laws. (f) Seek to avoid or prevent hydromodification of streams and other water bodies caused by development, including roads, highways, and bridges. (g) Develop and implement policies to protect native soils, prevent topsoil stripping, and prevent compaction of soils. (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.	• CORR will develop a written procedure that includes applicable watershed protection elements in Part I.D.5.b.(viii).(g) as required in the MS4 Permit and as applicable to CORR. • CORR will continue to contribute and participate in the MRGSWQT, which supports programs tailored to address local community needs and are designed to attempt to maintain pre-development runoff conditions.		In Progress - Reviewing existing Chapter 153 ordinance.	Fully Implemented: On May 23, 2018 amendments to the Chapter 153 Erosion Control; Storm Drainage and Stormwater Quality Ordinance was adopted.		10 months from effective date of MS4 Permit Oct. 22, 2015	**June 22, 2017**	**30**	Program Lead: NDPES Project Manager Implementation: Development Services Engineering Division
Not Included in NOI	68	Update the SWMP document and annual report as required in Part I.D.5.b.(ix) and Part I.D.5.b.(x). The following information must be included in each annual report: (a) Include a summary and analysis of all maintenance, inspections and enforcement, and the number and frequency of inspections performed annually. (b) A cumulative listing of the annual modifications made to the Post-Construction Stormwater Management Program, and (c) According to the schedule presented in Table 3, the permittee must: A. Report the number 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 and DCIA and its estimation methodology.	• CORR will continue to track all maintenance activity related to maintenance of all CORR owned water quality structures. A summary of the information will be included in each annual report. • CORR will include a cumulative list of retrofitted CORR facilities in each annual report. • CORR will continue to provide MRG permittees with information to support their IA and DCIA reporting requirements to EPA.					Update as necessary for SWMP and annually for Annual Report	**Update as necessary**		
2.12	69	Enhance the program to include the elements in Part I.D.5.b.(xi) and Part I.D.5.a.(xii). These include: (xi) Use of stormwater educational materials; (xii) Develop or update existing construction handbooks; and (x) participate in watershed planning efforts to aid with BMP selection and planning.	• CORR will include the MRGSWQT Outcomes Report in each Annual Report which will summarize the activities where educational materials were dispersed and shared with the public. • CORR will continue to contribute and participate in the MRGSWQT, which supports post-construction programs. • CORR will participate in any meetings regarding watershed planning efforts. CORR will continue to produce and publish the CORR ICIP annually. • CORR 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.	Fully Implemented: The Middle Rio Grande Stormwater Quality Team Outcomes Report.				Update as necessary for SWMP and annually for Annual Report	**Update as necessary**		Program Lead: NPDES Project Manager Implementation: Development Services Department Engineering and MRGSWQT

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	70	**TABLE 4: Pollution Prevention/Good Housekeeping for Municipal/Co-permittee Operations - Part I.D.5.c**									
3.1	71	Develop or update the Pollution Prevention/Good House Keeping program to include the elements in Part I.D.5.c.(i). Elements include: employee training program to incorporate pollution prevention and good housekeeping, including a tracking procedure (Part I.D.5.c.(i).(a)); O&M activities, schedules, and long term inspections procedures for structural and non-structural stormwater controls (Part I.D.5.c.(i).(b)); Controls for reducing or eliminating the discharge of pollutants from City owned facilities (Part I.D.5.c.(i).(c)) Procedures for properly disposing of waste removed from CORR facilities (sediment, floatables, and other debris) (Part I.D.5.c.(i).(d)); and 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).(e)).	• The City will then develop/enhance the training programs targeting requirements of Part I.D.D.c.(i) including a tracking procedure that ensures employee turnover is considered. • The City will develop a pollution prevention and good housekeeping annual workshop/training for municipal employees responsible for operations and maintenance of the pertinent City facilities.	In Progress - Facility Evaluation(s)	In Progress - Facility Evaluation(s)	In - Process - Consultant Notice to proceed: October 10, 2017 - SWPPP for Streets and Right of Way Facilities May 23, 2018 - SWPPP for Building and Fleet Maintenance February 12, 2019 - SWPPP for Parks, Recreation and Community Services Maintenance Yard	Fully Implemented on August 1, 2018 - SWPPP for Streets and Right of Way Facilities Fully Implemented on September 27, 2018 - SWPPP for Building and Fleet Maintenance Fully Implemented on June 3, 2019 - SWPPP for Parks, Recreation and Community Services Maintenance Yard	18 months (cooperative) from effective date of MS4 Permit June 22, 2016	**June 22, 2016**	**18**	
3.2	72	Enhance the program to include the elements in Part I.D.5.c.(ii). These include: (a) Develop or update the existing list of all stormwater quality facilities by drainage basin, including location and description;			In Progress - Facility Evaluation(s)	Fully Implemented -		30 months (cooperative) from effective date of MS4 Permit June 22, 2017	**June 22, 2017**	**30**	
3.2	73	(b) Develop or modify existing operational manual for de-icing activities addressing alternate materials and methods to control impacts to stormwater quality;			In Progress - Facility Evaluation(s)	Reactive Snow Removal Program - The City does not perform snow and ice removal for residential streets.		30 months (cooperative) from effective date of MS4 Permit	**June 22, 2017**	**30**	
3.2	74	(c) Develop or modify existing program to control pollution in stormwater runoff from equipment and vehicle maintenance yard;	1) Develop SWPPP scope of work. 2) Secure funding. 3) Issue notice to proceed. 4) Implement SWPPP recommendations.		In Progress - Facility Evaluation(s)	Fully Implemented - See Section 2 - PPGH Municipal Operations, Appendix F		30 months (cooperative) from effective date of MS4 Permit	**June 22, 2017**	**30**	
3.2	75	(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;			In Progress - Facility Evaluation(s)	Reactive Street Sweeping Program - Road sweeping consists of sweeping paved roads as conditions permit. The City attempts to sweep all residential roads at least once every two years.		30 months (cooperative) from effective date of MS4 Permit June 22, 2017	**June 22, 2017**	**30**	
3.2	76	(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);			In Progress - Facility Evaluation(s)	Fully Implemented -		30 months (cooperative) from effective date of MS4 Permit June 22, 2017	**June 22, 2017**	**30**	
3.2	77	(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...) used in permittee operations;	1) Develop SWPPP scope of work. 2) Secure funding. 3) Issue notice to proceed. 4) Implement SWPPP recommendations.		In Progress - Facility Evaluation(s)	Fully Implemented - See Section 2 - PPGH Municipal Operations, Appendix F		30 months (cooperative) from effective date of MS4 Permit June 22, 2017	**June 22, 2017**	**30**	

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3.2	78	(g) Standard operating procedure for disposal of accumulated sediments, floatables, and debris;			In Progress - Facility Evaluation(s)	Fully Implemented -		30 months (cooperative) from effective date of MS4 Permit June 22, 2017	**June 22, 2017**	**30**	
3.2	79	(h) litter source control program, include targeted public awareness campaign;			In Progress - Facility Evaluation(s)	Fully Implemented - See Section 4 - MRG SWQ Outcomes Report		30 months (cooperative) from effective date of MS4	**June 22, 2017**	**30**	
3.2	80	(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.			In Progress - Facility Evaluation(s)	In-Progress - See Section 2: Stormwater Outfall RFP		30 months (cooperative) from effective date of MS4 Permit June 22, 2017	**June 22, 2017**	**30**	
3.2	81	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;			In Progress - Facility Evaluation(s)	Fully Implemented -		30 months (cooperative) from effective date of MS4 Permit June 22, 2017	**June 22, 2017**	**30**	
3.2	82	(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;			In Progress - Facility Evaluation(s)	Fully Implemented -		30 months (cooperative) from effective date of MS4 Permit	**June 22, 2017**	**30**	
3.2	83	(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;			In Progress - Facility Evaluation(s)	Fully Implemented -		30 months (cooperative) from effective date of MS4 Permit Oct. 22, 2015 or June 22, 2017	**June 22, 2017**	**30**	
3.2	84	(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: A. Describe how new flood control projects are assessed for water quality impacts. B. Provide citations and descriptions of design standards that ensure water quality controls are incorporated in future flood control projects. C. Include method for permittees to update standards with new and/or innovative practices. D. Describe master planning and project planning procedures and design review procedures.	.		In Progress - Facility Evaluation(s)	Fully Implemented -		30 months (cooperative) from effective date of MS4 Permit June 22, 2017	**June 22, 2017**	**30**	
3.2	85	(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 right-of-ways, 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.	1) Develop SWPPP scope of work. 2) Secure funding. 3) Issue notice to proceed. 4) Implement SWPPP recommendations.		In Progress - Facility Evaluation(s)	Fully Implemented - See Section 2 - PPGH Municipal Operations, Appendix F		30 months (cooperative) from effective date of MS4 Permit June 22, 2017	**June 22, 2017**	**30**	

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3.3	86	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).		Fully Implemented: GIS map complete.				18 months (cooperative) from effective date of MS4 Permit	**June 22, 2016**	**18**	
Not Included in NOI	87	Update the SWMP document and annual report as required in I.D.5.c.(iv) and Part I.D.5.c.(v). 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. The permittee shall assess the overall success of the program, and document the program effectiveness in the annual report.		In Progress - Facility Evaluation(s)	In Progress - Facility Evaluation(s)	October 10, 2017 - SWPPP for Streets and Right of Way Facilities May 23, 2018 - SWPPP for Building and Fleet Maintenance February 12, 2019 - SWPPP for Parks, Recreation and Community Services Maintenance Yard	Fully Implemented on August 1, 2018 - SWPPP for Streets and Right of Way Facilities Fully Implemented on September 27, 2018 - SWPPP for Building and Fleet Maintenance Fully Implemented on June 3, 2019 - SWPPP for Parks, Recreation and Community Services Maintenance Yard	Update as necessary for SWMP and annually for Annual Report	**Update as necessary**		

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	88	**TABLE 5: Industrial and High Risk Runoff - Part I.D.5.d**									
4	89	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.		**Not Applicable**							

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	90	**TABLE 6: Illicit Discharges and Improper Disposal - Part I.D.5.e**									
See NOI Sections Below	91	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):	• The CORR NPDES Project Manager will continue to review, revise, and implement the Illicit Discharge Detection and Elimination Program requirements. • CORR will update their current written procedure for this program element. • CORR is pursuing developing a cooperative program elements for this program.	Continuing to implement existing program, updating as necessary.				See specific Permit activity schedules below.			Program Lead: NDPES Project Manager Implementation: Development Services Engineering Division
5.1	92	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;	• CORR will continue to keep this maintenance map up-to-date for CORR facilities and other MS4 permittee facilities, as information is provided. Cooperation with other MS4s will continue related to this map.	Fully Implemented - See SWMP Appendix E and G.				14 months (cooperative) from effective date of MS4 Permit February 22, 2016	**February 22, 2016**	**14**	Program Lead: NDPES Project Manager Implementation: Development Services Department Engineering, Recorder and GIS Section, and Consultant
5.2	93	Ordinance (or other control method) as required in Part I.D.5 .e.(i)(b).	• As necessary, draft amendments to existing ordinance prohibiting non-stormwater discharges into the MS4.		In Progress - Reviewing existing Chapter 153 ordinance.	Fully Implemented: On May 23, 2018 amendments to the Chapter 153 Erosion Control; Storm Drainage and Stormwater Quality Ordinance was adopted. See Section 153.30		10 months from effective date of MS4 Permit June 22, 2017	**June 22, 2017**	**30**	Program Lead: NDPES Project Manager Implementation: Development Services Engineering Division
5.3	94	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 test 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.	• CORR will continue implementing the existing IDDE program. • CORR 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. • CORR will begin developing a written procedure for this program element. • CORR is pursuing developing a cooperative program for this program element with permittees located within CORR's jurisdiction.	In Progress: Completed by Weston Solutions, Inc. August 12, 2015 CoRR, Task Order 3 - Providing assistance with modifying or revising existing elements in the IDDE program.	In Progress - Reviewing existing Chapter 153 ordinance.	Fully Implemented: On May 23, 2018 amendments to the Chapter 153 Erosion Control; Storm Drainage and Stormwater Quality Ordinance was adopted. See Section 153.30		30 months (cooperative) from effective date of MS4 Permit June 22, 2017	**June 22, 2017**	**30**	Program Lead: NDPES Project Manager Implementation: Development Services Engineering Division
5.4	95	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.	• CORR will continue its involvement with and financial support of BEMP and RiverXchange through the MRGSWQT. • CORR will work with the MRGSWQT to inform the general public of the hazards associated with illegal discharges and improper disposal of waste. • The MRGSWQT Outcomes Report will be submitted in the Annual Report. • CORR will continue an in-house training program for its administrative, engineering and field employees regarding illegal discharges and improper disposal of waste.	The Middle Rio Grande Stormwater Quality Team has published outreach material "Keep the Rio Grand - Reduce Stormwater Pollution at Home!" CORR				18 months (cooperative) from effective date of MS4 Permit June 22, 2016	**June 22, 2016**	**18**	Program Lead: NDPES Project Manager Implementation: Development Services Engineering Division and MRGSWQT

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5.5	96	Establish a hotline as required in Part I.D.5.e.(i).(e).	• CORR will continue to respond to the information received from this application integral to the IDDE program.	Fully Implemented: Report Rio Rancho App/Website has a NEW report type "Environmental Concern" which tracks Illicit Discharge of Waste, Surface Sewage/Failed Septic Systems and Water Waste.				18 months (cooperative) from effective date of MS4 Permit June 22, 2016	**June 22, 2016**	**18**	Program Lead: NPDES Project Manager Implementation: Information Technologies / Public Works Records & GIS
5.6	97	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."	• CORR 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. • CORR will continue investigation and documentation of all applicable illicit discharge complaints (using IDDE Incident Report Form) received through the Report Rio Rancho website/app, as well as other complaints received directly by CORR staff through e-mail, phone, or observation. • CORR 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. • CORR will develop a written procedure for this program element and develop an electronic field form for gathering applicable information regarding reported IDDE.	Fully Implemented:		Fully Implemented/Revised: On May 23, 2018 amendments to the Chapter 153 Erosion Control; Storm Drainage and Stormwater Quality Ordinance was adopted. See Section 153.32		18 months (cooperative) from effective date of MS4 Permit June 22, 2016	**June 22, 2016**	**18**	Program Lead: NPDES Project Manager Implementation: Development Services Department Engineering
5.7	98	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.	• CORR will continue its policy of reviewing complaint records. This will include a focus on illicit discharges contributing bacteria to the MS4. • Annually, CORR will reevaluate its targeted source reduction program. Potential future targets will be determined and cooperative efforts for targeted source reduction programs with MRGSWQT members will be considered. • CORR will continue adding illicit discharge complaint records for the permit term to the CORR GIS database to help identify sources and trends. • CORR continue developing a cooperative for this program element.	Given data collected, trends have not been identified.				1 year (cooperative) from effective date of MS4 Permit Dec. 22, 2015	**December 22, 2015**	**12**	Program Lead: NPDES Project Manager Implementation: Development Services Department Engineering

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Not Included in NOI	99	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).	• The CORR NPDES Project Manager 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.	No significant contributors or pollutants to the MS4 found.				No specific implementation schedule, CORR will review annually.			
5.8	100	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.	• CORR will develop screening procedures, protocols and plan in years 1-3 for the Permit (Dec. 22, 2014 through Dec. 22, 2017). This may be done as a cooperative program. • CORR will implement the IDDE required screening activities for a minimum of 30% of the MS4 by the end of year 4 for this Permit (Dec. 22, 2018). • CORR will complete the IDDE required screening activities for 70% the of the MS4 system by the end of year 5 for this Permit (Dec. 22, 2019). • CORR will continue membership and involvement in the cooperative MRGSWQT which will facilitate cooperation and coordination with other MS4s in the Middle Rio Grande related to screening for illicit discharges. • CORR is pursuing developing a cooperative for this program element, including implementing the priority ranking system.					Cooperative program - High Priority - screen 1x per year. -Years 1 -3: develop procedures as required in Part I.D.5.e.(i).(c). -Year 4: screen 30% of the MS4 area. -Year 5: screen 70% of the MS4 area.	**See Measurable Goal Schedule**		Program Lead: NPDES Project Manager Implementation: Development Services Department Engineering

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5.9	101	Develop, update, and implement a Waste Collection Program as required in Part I.D.5.e.(iv).	• CORR will work with Sandoval County to increase the number of Household Hazardous Waste collection days hosted. • CORR will continue working with Sandoval County and SSCAFCA on watershed clean-up events		Fully Implemented: City of Rio Rancho/Sandoval County Recycling Center opened in 2011	**CITY OF RIO RANCHO/ SANDOVAL COUNTY RECYCLING CENTER CLOSURE:** The City of Rio Rancho and Sandoval County joint recycling center located off Iris Road closed on June 23, 2018. The facility officially opened on 2011 in response to citizen input. However, Rio Rancho residents are now being offered more extensive and convenient trash and recycling pickup services directly at their homes through Waste Management that create operating efficiencies and reduce the need for an alternate recycling facility. For more information about Waste Management's services for the City of Rio Rancho, please visit home.wm.com/RIO-rancho.	**NEW! WASTE MANAGEMENT'S AT YOUR DOOR SPECIAL COLLECTION SERVICE.** A three step system to collect electronics, paint, motor oil, pool chemicals, batteries, and other household hazardous waste. Waste Management provides residential services as well: Bulk item collection, Free Glass Drop-off, Yard Waste, and Free Monthly Landfill Access	30 months (cooperative) from effective date of MS4 Permit June 22, 2017	**June 22, 2017**	**30**	Program Lead: NPDES Project Manager Implementation: Development Services Department Engineering, Parks and Rec, KRRB, and Waste Management Services.
5.10	102	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 permittees municipal jurisdiction.	• CORR will continue to cooperate with overlapping jurisdictions for spill response. • CORR will continue membership and involvement in the cooperative MS4 Technical Advisory Group (MS4 TAG) and the MRGSWQT which will facilitate cooperation and coordination with other MS4s in the Middle Rio Grande related to spill prevention and response.	Fully Implemented: All-Hazard Emergency Operations Plan, Annex Q - Hazardous Materials. CORR Fire Prevention Division conducts annual inspections.	Fully Implemented: All-Hazard Emergency Operations Plan, Annex Q - Hazardous Materials. CORR Fire Prevention Division conducts annual inspections.	Fully Implemented: All-Hazard Emergency Operations Plan, Annex Q - Hazardous Materials. CORR Fire Prevention Division conducts annual inspections.	Fully Implemented: Stormwater Pollution Prevention Plans (SWPPP) are implemented for all major municipal operations (fleet and building maintenance, streets and right-of-way maintenance, and parks, recreation and community services). SWPPP's contain a Spill Response Plan specific to each facility.	18 months (cooperative) from effective date of MS4 Permit June 22, 2016	**June 22, 2016**	**18**	Program Lead: NPDES Project Manager Implementation: Development Services Department Engineering
Not Included in NOI	103	Update the SWMP document and annual report as required in Part I.D.5.e.(iii), Part I.D.5.e.(vi), and Part I.D.5.e.(vii). 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.	• As part of the Annual Report process each year, the NPDES Project Manager 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. • CORR will include a review of the screening completed and the data collected will be included in the Annual Report.					Update as necessary for SWMP and annually for Annual Report	**Update as necessary**		Program Lead: NPDES Project Manager Implementation: Development Services Department Engineering

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5.11	104	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."	• CORR will document enhancements made with enhancement activities in the SWMP and Annual Report.					Update as necessary for SWMP and annually for Annual Report	**Update as necessary**		Program Lead: NPDES Project Manager Implementation: Development Services Department Engineering
	105	**TABLE 7: Control of Floatables Discharges - Part I.D.5.f**									
6.1	106	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 NMR040000 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).	• The CORR NPDES Project Manager will continue to review, revise, and implement a program to address and control floatables in discharges into the MS4. CORR will develop a written procedure for this program element. • CORR 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. • CORR will continue utilizing the manual trash collection contracts. • CORR will continue cooperative watershed clean-up events with the City of Rio Rancho. • CORR is pursuing developing a cooperative program for this program element.	The majority of City ponds have existing water quality outlet structures that collect floatables.				18 months (cooperative) from effective date of MS4 Permit June 22, 2016	**June 22, 2016**	**18**	Program Lead: NPDES Project Manager Implementation: Development Services Department Engineering
6.2	107	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).	• CORR will include in each annual report an estimate of the annual volume of floatables and trash removed from each control facility and characterize the floatable type. • CORR will continue to improve SROW staff tracking methods, allowing CORR to better and more easily determine the volume of floatables and sediment removed from each CORR facility.		Fully Implemented: IDDE Program includes a Trash Survey Form. Estimated volume of floatables and trash removal are calculated annually.			10 months from effective date of MS4 Permit Oct. 22, 2015	**June 22, 2017**	**30**	Program Lead: Streets and Right-of -Way Manager Implementation: Public Works Department
Not Included in NOI	108	Update the SWMP document and annual report as required in Part I.D.5.f.(ii) and Part I.D.5.f.(iii).	• As part of the Annual Report process each year, the NPDES Project Manager 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 and document the program effectiveness in the Annual Report.	In Progress - Completed by Weston Solutions, Inc. December 18, 2015 CoRR, Task Order 3 - Providing assistance with developing, implementing, and enforcing a program to address and control floatables in the MS4. Given data collected, trends have not been identified				Update as necessary for SWMP and annually for Annual Report	**Update as necessary**		Program Lead: NPDES Project Manager Implementation: Development Services Department Engineering

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	109	**TABLE 8: Public Education and Outreach on Stormwater Impacts - Part I.D.5.g**									
7.1	110	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.	• CORR will contribute and participate in the MRGSWQT. • The MRGSWQT Outcomes Report will be submitted in the Annual Report. • CORR will continue to conduct education and outreach presentations to the community specific to CORR facilities and water quality.	MRGQST members continue develop, revise, implement, and maintain education and outreach programs.				14 months (cooperative) from effective date of MS4 Permit February 22, 2016	**February 22, 2016**	**14**	Program Lead: NPDES Project Manager Implementation: Development Services Department Engineering, KRRB, and MRGSWQT
7.2	111	Update the SWMP document and annual report as required in Part I.D.5.g.(iii) and Part I.D.5.g.(iv). (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. (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.	• As part of the Annual Report process each year, the NPDES Project Manager will review the program requirements listed in Part I.D.5.g, for the above-mentioned SWMP elements, and assess the overall success of the program and document direct and indirect measurements of the program effectiveness in the Annual Report.	Fully Implemented: The Middle Rio Grande Stormwater Quality Team Outcomes Report.				Update as necessary for SWMP and annually for Annual Report	**Update as necessary**		Program Lead: NPDES Project Manager Implementation: Development Services Department Engineering

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7.2	112	Enhance the program to include requirements in Part I.D.5.g.(v) through Part I.D.5.g.(viii). (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). (vi) The permittee may collaborate or partner with other MS4 operators to maximize the program and cost effectiveness of the required outreach. (vii) The education and outreach program may use citizen hotlines as a low-cost strategy to engage the public in illicit discharge surveillance. (viii) The permittee may use stormwater educational materials provided by the State, Tribe, EPA, environmental, public interest or trade organizations, or other MS4s. The permittee may also integrate the education and outreach program with existing education and outreach programs in the MRG area.	• If enhancement activities are implemented, CORR will annually document progress made with these program enhancement activities.	Fully Implemented: The Middle Rio Grande Stormwater Quality Team Outcomes Report.				Update as necessary for SWMP and annually for Annual Report	**Update as necessary**		Program Lead: NPDES Project Manager Implementation: Development Services Department Engineering Division and MCM Members, KRRB,

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	113	**TABLE 9: Public Involvement and Participation - Part I.D.5.h**									
8.1	114	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.	• Post the draft SWMP, any SWMP amendments or modifications, and draft Annual Reports to CORRs NPDES Stormwater Program www.rrnm.gov/index.aspx?nid=2184 website with an explanation of the public comment period and instruction on how to submit comments. The posted documents will show redline and strikethrough of text additions and deletions and/or provide explanations for substantial changes. • A 30-day comment period will be allotted for SWMP document public review. • A 45-day comment period will be allotted for Annual Report document public review as required in Part III.B of the MS4 Permit. • Notice to the public will be done using CORRs NPDES Stormwater Program website.	Full Implemented: NOI, SWMP, Annual Report(s) are available to the public and to other operators via City of Rio Rancho Stormwater Webpage: https://rrnm.gov/2184/NPDES-Stormwater-Program				10 months from effective date of MS4 Permit Oct. 22, 2015	**December 22, 2015**	**12**	Program Lead: NPDES Project Manager Implementation: Development Services Department Engineering Division
8.1	115	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.	• CORR will contribute and participate in the MRGSWQT, which participates in public events and solicit public participation and feedback by way of surveys. • In targeted areas, CORR will continue to it's "Scoop the Poop" public outreach campaign.	Fully Implemented: The Middle Rio Grande Stormwater Quality Team Outcomes Report provides a summary of public education and outreach plan. Performance assessment can be found in the (Jul. 2015-Jun. 2016) Annual Report.	Fully Implemented: The Middle Rio Grande Stormwater Quality Team Outcomes Report provides a summary of public education and outreach plan. Performance assessment can be found in the (Jul. 2016-Jun. 2017) Annual Report.	Fully Implemented: The Middle Rio Grande Stormwater Quality Team Outcomes Report provides a summary of public education and outreach plan. Performance assessment can be found in the (Jul. 2017-Jun. 2018) Annual Report.	Fully Implemented: The Middle Rio Grande Stormwater Quality Team Outcomes Report provides a summary of public education and outreach plan. Performance assessment can be found in the (Jul. 2018-Jun. 2018) Annual Report.	1 year (cooperative) from effective date of MS4 Permit Dec. 22, 2015	**December 22, 2015**	**12**	Program Lead: NPDES Project Manager Implementation: Development Services Department Engineering and MRGSWQT
8.2	116	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.	• CORR will provide hard copies of relative MS4 compliance reporting documents to the NMED, Pueblos of Sandia and Isleta as required here and in Part III.D.4 of the MS4 Permit. • CORR will continue to post the SWMP and Annual Reports on CORRs NPDES Stormwater Program www.rrnm.gov/index.aspx?nid=2184 website.	Fully Implemented: CORR has provided NOI hard copy to NMED, Pueblo of Sandia, and Pueblo of Isleta. USEPA R6 via email. CORR NOI is posted on CORRs Stormwater Program website.	Fully Implemented: CORR has provided NOI hard copy to NMED, Pueblo of Sandia, and Pueblo of Isleta. USEPA R6 via email. CORR NOI is posted on CORRs Stormwater Program website.	Fully Implemented: CORR has provided NOI hard copy to NMED, Pueblo of Sandia, and Pueblo of Isleta. USEPA R6 via email. CORR NOI is posted on CORRs Stormwater Program website.	Fully Implemented: CORR has provided NOI hard copy to NMED, Pueblo of Sandia, and Pueblo of Isleta. USEPA R6 via email. CORR NOI is posted on CORRs Stormwater Program website.	10 months from effective date of MS4 Permit Oct. 22, 2015	**February 22, 2016**	**14**	Program Lead: NPDES Project Manager Implementation: Development Services Department Engineering Division

NOI Section	ID	Permit Activity Description	Measurable Goal	Status of Implementation and Performance Assessment Permit Year July 2015 to June 2016 (Permit Year 1)	Status of Implementation and Performance Assessment Permit Year July 2016 to June 2017 (Permit Year 2)	Status of Implementation and Performance Assessment Permit Year July 2017 to June 2018 (Permit Year 3)	Status of Implementation and Performance Assessment Permit Year July 2018 to June 2019 (Permit Year 4)	Permit Required Implementation Schedule	Cooperative Implementation Schedule	Cooperative Permit Required Implementation Schedule (Months)	Responsible Personnel
8.3	117	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.	• CORR will continue to include (along with the cooperative MRGSWQT) water quality information for the public at events, including public meetings. Where neighborhoods include Spanish-speaking residents, CORR may have Spanish-translations available of public meeting announcements and data sheets. The educational videos on the MRGSWQT website (www.keeptheriograndе.org) all have Spanish subtitles. 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 MRGSWQT ensures that a wide-range of economic and ethnic groups are reached.	Fully Implemented: The Middle Rio Grande Stormwater Quality Team Outcomes Report provides a summary of public education and outreach plan. See (Jul. 2015-Jun. 2016) Annual Report	Fully Implemented: The Middle Rio Grande Stormwater Quality Team Outcomes Report provides a summary of public education and outreach plan. See (Jul. 2016-Jun. 2017) Annual Report	Fully Implemented: The Middle Rio Grande Stormwater Quality Team Outcomes Report provides a summary of public education and outreach plan. See (Jul. 2017-Jun. 2018) Annual Report	Fully Implemented: The Middle Rio Grande Stormwater Quality Team Outcomes Report provides a summary of public education and outreach plan. See (Jul. 2018-Jun. 2019) Annual Report	18 months (cooperative) from effective date of MS4 Permit June 22, 2016	**June 22, 2016**	**18**	Program Lead: NPDES Project Manager Implementation: Development Services Department Engineering Division and MRGSWQT
8.4	118	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 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.	• As part of the Annual Report process each year, the Deputy Development Services Director and Engineering Division Manager will review the program requirements listed in Part I.D.5.h, for the above-mentioned SWMP elements, and assess the overall success of the program and document the program effectiveness in the Annual Report. • CORR will provide public accessibility of the SWMP document and most recent Annual Report online via the Internet (www.rrnm.gov/index.aspx?NID=2184) and during normal business hours at the CORR office. CORR is located at 3200 Civic Center Circle NE, Rio Rancho, NM 87144. The phone number is 505-891-5045.	Fully Implemented: CoRR SWMP and Annual Reports are publicly accessible online via internet and during normal business hours at Rio Rancho City Hall.	Fully Implemented: CoRR SWMP and Annual Reports are publicly accessible online via internet and during normal business hours at Rio Rancho City Hall.	Fully Implemented: CoRR SWMP and Annual Reports are publicly accessible online via internet and during normal business hours at Rio Rancho City Hall.	Fully Implemented: CoRR SWMP and Annual Reports are publicly accessible online via internet and during normal business hours at Rio Rancho City Hall.	Update as necessary for SWMP and annually for Annual Report	**Update as necessary**		Program Lead: NPDES Project Manager Implementation: Development Services Department Engineering Division
8.5	119	Enhance the program to include requirements in Part I.D.5.h.(ix).	• CORR will annually document progress made with these program enhancement activities. CORR and the MRGSWQT will continue to review, update, and enhance public involvement and participation programs.	MRGQST has continued its educational partnerships with BEMP and RiverXchange. Total budget spent on both programs = $14,692.50. See (Jul. 2015-Jun. 2016) Annual Report.				Update as necessary for SWMP and annually for Annual Report	**Update as necessary**		Program Lead: NPDES Project Manager Implementation: Development Services Department Engineering Division

NOI Section	ID	Permit Activity Description	Measurable Goal	Status of Implementation and Performance Assessment Permit Year July 2015 to June 2016 (Permit Year 1)	Status of Implementation and Performance Assessment Permit Year July 2016 to June 2017 (Permit Year 2)	Status of Implementation and Performance Assessment Permit Year July 2017 to June 2018 (Permit Year 3)	Status of Implementation and Performance Assessment Permit Year July 2018 to June 2019 (Permit Year 4)	Permit Required Implementation Schedule	Cooperative Implementation Schedule	Cooperative Permit Required Implementation Schedule (Months)	Responsible Personnel
	120	**Part III - Monitoring, Assessment and Reporting Requirements**									
	121	**TABLE 10: Wet Weather Monitoring Program - Part III.A.1**									
See NOI Sections Below	122	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).	The program details and measurable goals are described below. The monitoring program will be conducted according to the approved Cooperative Monitoring Plan (submitted to EPA on June 20, 2016).					See specific Permit activity schedules below.			Program Lead: NPDES Project Manager Implementation: Development Services Department Engineering Division and MCM Members
IV	123	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 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, NMR040000 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.	• The monitoring program will follow the permit requirements for parameters tested (TSS, TDS, COD, BOD_5, 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 permits NMS000101, whose mean values are at or above a WQS, will also be tested. • The monitoring program will be conducted according to the approved Cooperative Monitoring Plan (submitted to EPA on June 20, 2016).					Monitoring program will 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.			Program Lead: NPDES Project Manager Implementation: Development Services Department Engineering Division and MCM Members
IV	124	As required in Part III.A.1. 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.	Operation B - Cooperative Monitoring Program preference was submitted the CORR NOI on June 19, 2015. See SWMP					N/A	**June 22, 2015**	**6**	Program Lead: NPDES Project Manager Implementation: Development Services Department Engineering Division

NOI Section	ID	Permit Activity Description	Measurable Goal	Status of Implementation and Performance Assessment Permit Year July 2015 to June 2016 (Permit Year 1)	Status of Implementation and Performance Assessment Permit Year July 2016 to June 2017 (Permit Year 2)	Status of Implementation and Performance Assessment Permit Year July 2017 to June 2018 (Permit Year 3)	Status of Implementation and Performance Assessment Permit Year July 2018 to June 2019 (Permit Year 4)	Permit Required Implementation Schedule	Cooperative Implementation Schedule	Cooperative Permit Required Implementation Schedule (Months)	Responsible Personnel
Not Included in NOI	125	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.	• The monitoring program will be conducted according to the approved proposed monitoring scheme for Compliance Monitoring (submitted to EPA on December 18, 2015).	Fully Implemented: Proposed Monitoring Plan submitted on Dec. 18, 2015. See (Jul. 2015-Jun. 2016) Annual Report.				1 year (cooperative) from effective date of MS4 Permit Dec. 22, 2015	**December 22, 2015**	**12**	Program Lead: NPDES Project Manager Implementation: Development Services Department Engineering Division and MCM Members
Not Included in NOI	126	Submit certification that all wet weather monitoring sites are operational and begin sampling.	• CORR, with its cooperative partners (still to be determined), will submit certification to EPA that all wet weather compliance monitoring sites are operational and will begin sampling, according to the Permit requirements.	Fully Implemented - Wet Weather Monitoring Program is operational and ready for sampling. See (Jul. 2015-Jun. 2016) Annual Report.				14 months (cooperative) from effective date of MS4 Permit June 22, 2016	**June 22, 2016**	**18**	Program Lead: NPDES Project Manager Implementation: Development Services Department Engineering Division and MCM Members
Not Included in NOI	127	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 part of the Annual Report process each year, the NPDES Project Manager 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 and document the program effectiveness in the Annual Report. • The Wet Weather Monitoring results obtained from July 1st to June 30th will be submitted in each Annual Report on Discharge Monitoring Report (DMR) forms as required in Part III.D.1.	EPA Form 3320-1 DMR submitted with (Jul. 2015-Jun. 2016) Annual Report. No sample collected. Sampling plan for the Middle Rio Grande Collaborative Monitoring Group was not approved by EPA until 06/22/16. No storm events occurred between 06/22/2016 and 06/30/2016.	CMC Wet Season, Wet Weather Stormwater Monitoring Data Verification, Analysis Results Database, and Reporting FY 2017 Wet Season (July 1 to October 31, 2016) - March 6, 2017 - Memo - 393 pages.	CMC Wet Season, Wet Weather Stormwater Monitoring Data Verification, Analysis Results Database, and Reporting FY 2018 Wet Season (July 1 , 2017 to October 31, 2017) - February 20, 2018. See 255 page Memorandum in Annual Report.	CMC Dry Season, Wet Weather Stormwater Monitoring Data Verification, Analysis Results Database, and reporting FY 2019 Dry Season (November 1, 2018 to June to June 30, 2019) Task Memo.	Update as necessary for SWMP and annually for Annual Report	**Annually**		Program Lead: NPDES Project Manager Implementation: Development Services Department Engineering Division

NOI Section	ID	Permit Activity Description	Measurable Goal	Status of Implementation and Performance Assessment Permit Year July 2015 to June 2016 (Permit Year 1)	Status of Implementation and Performance Assessment Permit Year July 2016 to June 2017 (Permit Year 2)	Status of Implementation and Performance Assessment Permit Year July 2017 to June 2018 (Permit Year 3)	Status of Implementation and Performance Assessment Permit Year July 2018 to June 2019 (Permit Year 4)	Permit Required Implementation Schedule	Cooperative Implementation Schedule	Cooperative Permit Required Implementation Schedule (Months)	Responsible Personnel
	128	**Dry Weather Discharge Screening of MS4 - Part III.A.2**									
Not Included in NOI	129	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.	The program details and measurable goals are described below and in Table 6 - Illicit Discharge and Improper Disposal.	Results are provided in each annual report.				See specific Permit activity schedules below.	**Screen the entire jurisdiction at least once (1) every five (5) years and high priority areas at least once (1) a year. ***High priority areas include areas where there are ongoing evidence of ID, or where there are citizen complaints on more that five (5) separate events within twelve (12) months***		Program Lead: NPDES Project Manager Implementation: Development Services Department Engineering Division
Not Included in NOI	130	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, BOD_5, 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.	• Visual screening results will be included in CORR's Annual Report when provided. • CORR will continue with the existing Dry Weather Screening program while working cooperatively to develop illicit discharge screening procedures and plan, as required in part I.D.5.e.(iii). • CORR 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.	Dry Weather Visual Screening was conducted at seven (7) direct outfalls (High Priority) on Feb. 10, 2016. No discharges observed during screening. See IDDE Program Binder or Annual Report.	Dry Weather Visual Screening was conducted at seven (7) direct outfalls (High Priority) on Jun. 16, 2017. No discharges observed during screening. See Annual Report: Performance Assessment - MS4 Dry Weather Discharge Screening Report..	Dry Weather Visual Screening was conducted at seven (7) direct outfalls (High Priority) on August 18, 2017. No discharges observed during screening. See Annual Report: Performance Assessment - MS4 Dry Weather Discharge Screening Report.	Dry Weather Visual Screening was conducted at seven (7) direct outfalls (High Priority) on Jun. 13, 2019. No discharges observed during screening. See Annual Report: Performance Assessment - MS4 Dry Weather Discharge Screening Report.	Cooperative Program -as required in part I.D.5.e.(iii) -Years 1 -3: develop procedures as required in Part I.D.5.e.(i).(c). -Year 4: screen 30% of the MS4 area. -Year 5: screen 70% of the MS4 area.			Program Lead: NPDES Project Manager Implementation: Development Services Department Engineering Division

NOI Section	ID	Permit Activity Description	Measurable Goal	Status of Implementation and Performance Assessment Permit Year July 2015 to June 2016 (Permit Year 1)	Status of Implementation and Performance Assessment Permit Year July 2016 to June 2017 (Permit Year 2)	Status of Implementation and Performance Assessment Permit Year July 2017 to June 2018 (Permit Year 3)	Status of Implementation and Performance Assessment Permit Year July 2018 to June 2019 (Permit Year 4)	Permit Required Implementation Schedule	Cooperative Implementation Schedule	Cooperative Permit Required Implementation Schedule (Months)	Responsible Personnel
	131	**Floatables Monitoring - Part III.A.3**									
Not Included in NOI	132	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 one (1) stations (Class B Permittee). The amount of collected material shall be estimated in cubic yards. a) Identify one (1) station to monitor and assess floatable material type.	• CORR will continue to monitor floatable material and estimate the amount collected at least twice per year at a minimum of 1 station. • All floatable material will be taken to a local landfill for disposal.		Arrowhead Ridge Pond - Trash Assessment Cascades at High Resort Pond(s) - Trash Assessment(s) Monterrey Pond(s) - Trash Assessments 19th Ave Pond - Trash Assessment		Eastlake Pond - Trash Assessment	Update as necessary for SWMP and annually for Annual Report	**Monitor at least (1) station at least twice per year at priority locations.**		
	133	**Industrial and High Risk Runoff Monitoring - Part III.A.4**									
4	134	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 permittees jurisdiction, the permittee must certify that this program element does not apply).	**Not Applicable**								

Section 4	Stormwater Management Program Revisions
	4.1 NPDES Permit No. NMR04A000 Administrative Continuance – Duty to Reapply

Ronald D. Brown, Chair
Bruce M. Thomson, P.E., Vice Chair
Deborah L. Stover, Secretary-Treasurer
Tim Eichenberg, Assistant Secretary-Treasurer
Cynthia D. Borrego, Director

Jerry M. Lovato, P.E.
Executive Engineer

Albuquerque
Metropolitan
Arroyo
Flood
Control
Authority
2600 Prospect N.E., Albuquerque, NM 87107
Phone: (505) 884-2215 Fax: (505) 884-0214
Website: www.amafca.org

October 15, 2019

Mr. Robert Houston
Chief, Special Projects Section
U.S. Environmental Protection Agency, Region 6
1201 Elm Street, Suite 500
Dallas, Texas 75270

RE: NPDES Permit No. NMR04A000 Administrative Continuance – Duty to Re-Apply

Dear Mr. Houston:

This correspondence serves as a written notification that the members copied below of the Middle Rio Grande Technical Advisory Group (TAG) will continue to operate and discharge into the Rio Grande under the coverage and the conditions set forth in NPDES Permit No. NMR04A000 (Permit), after December 19, 2019, based on Permit language in Part IV:V and required notification in Part IV:C.

On June 27, 2019 the Middle Rio Grande TAG MS4 permittees met with and were informed by EPA Region 6 staff Brent Larson & Maria Martinez that the Permit, which expires on December 19, 2019, would likely go into administrative continuance. As EPA staff explained during the meeting, EPA is not required to issue a public notice related to the administrative continuance and the current permittees do not need to complete any actions or submit renewal applications to have continued coverage under the current Permit.

This guidance from EPA was confirmed in the Permit, in Part IV:V. CONTINUATION OF THE EXPIRED GENERAL PERMIT. *If this Permit is not reissued or replaced prior to the expiration date, it will be administratively continued in accordance with the Administrative Procedures Act and remain in force and effect. Any permittee who was granted permit coverage prior to the expiration date will automatically remain covered by the continued Permit until the earlier of:*

1. *Reissuance or replacement of this Permit, at which time the permittee must comply with the Notice of Intent conditions of the new permit to maintain authorization to discharge; or*
2. *Issuance of an individual permit for your discharges; or*
3. *A formal permit decision by the permitting authority not to reissue this general Permit, at which time the permittee must seek coverage under an alternative general permit or an individual permit.*

Closer review of the Permit noted the language in Part IV:C: DUTY TO REAPPLY. *If the permittee wishes to continue an activity regulated by this Permit after the Permit expiration date, the permittee must apply for and obtain a new permit. The application shall be submitted at least 180 days prior to expiration of this permit. The EPA may grant permission to submit an application less than 180 days in advance but no later than the permit expiration date. Continuation of expiring permits shall be governed by regulations promulgated at 40 CFR § 122.6 and any subsequent amendments.* It is unclear from the Permit language in Part IV: C, if this section applies to permits that are administratively continued.

This letter is to inform EPA that, based on the provided guidance from EPA and the MS4 Permit language in Part IV:V, members of the Middle Rio Grande TAG will continue to operate with coverage under the current MS4 Permit when the Permit is administratively continued on December 19, 2019. If these assumptions are incorrect or if an application is required for continued coverage under MS4 Permit NMR04A000, please let us know as soon as possible.

We appreciate your attention to this matter. Please contact me if you have any questions.

Sincerely,
Middle Rio Grande TAG

Patrick Chavez, PE
AMAFCA Storm Water Quality Engineer and TAG Member

TAG Members Included and Copied:

Albuquerque Metropolitan Arroyo Flood Control Authority (AMAFCA)
City of Rio Rancho
Sandia National Labs (operated by NTESS for US DOE)
Bernalillo County
Kirtland Air Force Base
Village of Los Ranchos
Eastern Sandoval County Arroyo Flood Control Authority (ESCACA)
Southern Sandoval County Arroyo Flood Control Authority (SSCAFCA)
City of Albuquerque
Village of Corrales
Sandoval County
Town of Bernalillo
New Mexico Department of Transportation (NMDOT)
University of New Mexico

Section 5	Performance Assessment
	5.1 Illicit Discharge Incident Reporting 5.2 Construction General Permit Compliance Inspection List 5.3 MS4 Outfall Dry Weather Screening 5.4 Drainage Facility Clean-up and Maintenance Schedule 5.5 CMC Monitoring FY2024 Dry Season Memorandum

City of Rio Rancho
Development Services Department

Illicit Discharge Detection and Elimination Program Report

Reporting Period: July 1, 2024 to June 30, 2025

Environmental Incident Tracking and Response

Rio Rancho faced significant environmental challenges during the 2024-25 reporting period, dealing with both illegal discharge incidents and sanitary system overflows that threatened water quality and required immediate response under their NPDES permit obligations.

Kim Road Oil Spill Incident

On May 12, 2025, the Rio Rancho Police Department discovered an illegal dumping incident on Kim Road, north of Idalia Road NE. The scene revealed a large oil spill, accompanied by several full five-gallon buckets of used oil, that were dumped on an unmaintained road near La Barranca Arroyo—a location already known for its history of illegal dumping.

Rio Rancho Code Enforcement Officer Jose Sanchez documented the incident using the city Illicit Discharge Detection and Elimination (IDDE) tracking system. The spill occurred in an upland area about 0.25 miles from the arroyo, which could pose a significant threat to the stormwater system. The incident triggered the city's emergency response protocol, with staff coordinating hazmat cleanup through contracted services managed by the Parks, Recreation, and Community Services Department, Keep Rio Rancho Beautiful Division.

The before-and-after photos demonstrate the effectiveness of the cleanup effort. The contaminated area, initially showing visible oil contamination and abandoned containers, was successfully remediated and restored to its natural desert landscape condition.

Sanitary System Overflow

The City of Rio Rancho Utility Department’s wastewater infrastructure experienced multiple failures throughout the 2024-25 reporting period, resulting in several sanitary system overflows (SSOs) that required notification to the EPA under NPDES Permit NM0027987.

On January 11, 2025, a 6-inch force main at Lift Station #8 on Riverside Drive failed due to normal wear and deterioration. Approximately 150 gallons of wastewater spilled onto the nearby landscape, and utility crews installed a berm to prevent flow from reaching the adjacent arroyos and the Rio Grande River.

Just weeks later, on January 28, 2025, Lift Station #21, located at 1650 Riverside Drive, experienced a 14-inch force main leak. The city responded by installing a berm to prevent overflow from entering the arroyo or Rio Grande River, with an estimated 100 gallons spilling onto the nearby landscape before utility crews completed the repairs.

Two days later, on January 30, 2025, another force main failure occurred at Lift Station #8 on Riverside Drive. This incident involved a leaking 6-inch force main, and the city again implemented containment measures, including a berm application to prevent flow from entering the adjacent arroyo. Local contractors performed repairs, cleaning, and treated affected areas with lime.

The situation reached critical levels at Lift Station #15 on June 7, 2025, where pump failures caused an estimated 8,000-gallon overflow that reached the Venada Arroyo but did not reach the Rio Grande River. On June 20, the incident compounded when the same system failed again, with pumps faulting twice in one day due to an electrical component failure, resulting in spills of 18,000 gallons and 3,500 gallons, respectively.

The final documented overflow occurred at Lift Station #24 on June 29, 2025, when a fault in the Programmable Logic Controller caused pumps to shut down, resulting in a 200-gallon spill that reached an adjacent arroyo but not the Rio Grande River.

Regulatory Compliance and Environmental Protection

These incidents highlight the City of Rio Rancho's dual challenge of managing both intentional illegal discharges and infrastructure failures. The city's response demonstrates compliance with its MS4 permit requirements, including:

- Proper incident documentation and tracking
- Immediate response and containment efforts
- Coordination with contracted cleanup services
- Timely notification to regulatory agencies
- Implementation of corrective measures

The contrast between the deliberate Kim Road dumping and the infrastructure-related SSOs highlights the range of threats facing our municipal separate stormwater system. While the illegal dumping required enforcement and cleanup, the sanitary overflows demanded infrastructure investment and maintenance improvements to prevent future incidents.

Both incident types underscore the importance of the City of Rio Rancho's comprehensive environmental protection programs and its commitment to maintaining water quality in the region's sensitive arid desert ecosystem.

CITY OF RIO RANCHO

ILLICIT DISCHARGE INCIDENT TRACKING FORM

Responder Information	
Call taken by: JOSE SANCHEZ, RR CODE ENFORCEMENT	Call date: 05/12/2025
Call time: 2:45PM VIA EMAIL	Precipitation (inches) in past 24-48 hrs: 0.0”
Reporter Information	
Incident time: Unknown	Incident date: Unknown
Caller contact information (*optional*):	

Incident Location *(complete one or more below)*

Latitude and longitude: 35.294024° -106.647099°

Stream address or outfall #: LA BARRANCA ARROYO, 0.25 MILES NORTH

Closest street address: KIM ROAD

Nearby landmark: INTERSECTION OF KIM RD NE AND IDALIA RD NE

Primary Location Description	**Secondary Location Description:**		
☐ Stream corridor (*In or adjacent to arroyo)*	☐ Outfall	☐ In-stream flow	☐ Along banks
☒ Upland area *(Land not adjacent to arroyo)*	☐ Near storm drain	☐ Near other water source (storm water pond, wetland, etc.):	

Narrative description of location:
Unmaintained portion of Kim Rd, north of Idalia Rd NE. A known illegal dumping site.

Upland Problem Indicator Description

☒ Dumping	☒ Oil/solvents/chemicals	☐ Sewage
☐ Wash water, suds, etc.	☐ Other: _____	

Stream Corridor Problem Indicator Description

Odor	☒ None	☐ Sewage	☐ Rancid/Sour	☐ Petroleum (gas)
	☐ Sulfide (rotten eggs); natural gas	☐ Other: Describe in “Narrative” section		
Appearance	☐ “Normal”	☐ Oil sheen	☐ Cloudy	☐ Suds
	☒ Other: Describe in “Narrative” section			
Floatables	☒ None:	☐ Sewage (toilet paper, etc)	☐ Algae	☐ Dead fish
	☐ Other: Describe in “Narrative” section			

Narrative description of problem indicators:
Officers describe a large oil spill as well as several full five-gallon buckets of used oil on Kim Rd, north of Idalia Rd NE.

Suspected Violator (name, personal or vehicle description, license plate #, etc.): No information at this time.

EUGENE PETTES

From: EUGENE PETTES
Sent: Monday, May 12, 2025 3:08 PM
To: DYANE SONIER; Nicholas Dahl
Cc: Jose Sanchez
Subject: RE: Kim Rd - Oil Spill

Thank you.

Xavier Pettes
NPDES Project Manager

City of Rio Rancho | Development Services / Engineering
O: 505.891.5045
RRNM.gov |

From: DYANE SONIER <dsonier@rrnm.gov>
Sent: Monday, May 12, 2025 2:56 PM
To: EUGENE PETTES <xpettes@rrnm.gov>; Nicholas Dahl <ndahl@rrnm.gov>
Cc: Jose Sanchez <jsanchez@rrnm.gov>
Subject: Re: Kim Rd - Oil Spill

Nick with KRRB should be able to contact whomever he has under contract for haz mat mobilization and cleanup. I have copied him on this email message. He will reach out to you for more specifics.

Dyane N. Sonier
Resource Development Manager

City of Rio Rancho | Parks, Recreation and Community Services, Administration

O: 505.896.8728 **C:** 505.264.1307

RRNM.gov |

From: EUGENE PETTES <xpettes@rrnm.gov>
Sent: Monday, May 12, 2025 2:54 PM
To: DYANE SONIER <dsonier@rrnm.gov>
Cc: Jose Sanchez <jsanchez@rrnm.gov>
Subject: Kim Rd - Oil Spill

Dyane,

The attached photo was sent by RRPD to code enforcement. Officers describe a large oil spill as well as several full five gallon buckets of used oil on Kim Rd, north of Idalia Rd NE. Does you office still have on-call services for this type of remediation?

Thank you,

Xavier Pettes
NPDES Project Manager

City of Rio Rancho | Development Services / Engineering
O: 505.891.5045
RRNM.gov |



BEFORE



AFTER

RioRancho
City of Vision

January 30, 2025

Certified No. EMAILED

Jason Herman
Ground Water Quality Bureau
P.O. Box 5469
Santa Fe, New Mexico 87502

Re: Sanitary System Overflow – Corrective Action – Force Main, Lift Station #8, Riverside Dr. - Rio Rancho, NM

Dear Mr. Herman:

This letter is a response to the Sanitary Sewer Overflow (SSO) we experienced on 1-11-2025 located at Lift Station #8 near our WWTP #3 facility. This was due to a leaking 6" force main exiting Lift Station #8. The flow from did not reach the Rio Grande River or the arroyo just east of the lift station. The estimated volume of 150 gallons flowed from the line onto nearby landscape. Below are the corrective actions made by the city, Jacobs and local contractors.

- Leak was caused by age, normal wear and tear.
- A berm was setup to stop the flow from entering arroyo or river.
- A local contractor was called out to repair the line.
- Lime was spread in the impacted area.

If you have any questions or concerns, please feel welcome to contact me at 505-604-8769

Sincerely,

Dennis Gonzales
Operations Manager, Jacobs

cc: Steve Gallegos, Acting Director of Utilities, City of Rio Rancho

RioRancho
City of Vision

January 17, 2025

Certified No. EMAILED

Nancy Williams
Environmental Specialist
U.S. Environmental Protection Agency
1201 Elm Street, Suite 500
Dallas, Texas 75270-2102

Re: NPDES Permit # NM0027987
Sanitary System Overflow – Force Main, Lift Station #8, Riverside Drive - Rio Rancho, NM

Dear Ms. Williams:

At approximately 13:49 p.m. on Saturday, January 11, 2025, the operation systems manager received a call that there was a sanitary system overflow (SSO) at Lift Station #8 just south of our WWTP #3 facility. Upon arrival, the Collections Department determined that the 6" force main from lift station #8 was leaking. At this point, a berm was setup to stop any flow from entering the Rio Grande River. A local contractor was then called out to repair the line. The estimated volume of 150 gallons flowed from the line onto the nearby landscape. The flow was contained and did not reach the arroyo or the Rio Grande River. All areas were cleaned by Maintenance and Collections staff as required. Lime was also used on the affected area.

If you have any questions or concerns, please feel welcome to contact me at 505-604-8769.

Sincerely,

Dennis Gonzales
Operations Manager, Jacobs

cc: Steve Gallegos, CORR
Esteban Herrera, USEPA
Jason Herman, NMED
Jason Martinez, NMED
Andy Edmonson, SSCAFCA
Dave Gatterman, SSCAFCA
Xavier Pettis, CORR

RioRancho
City of Vision

June 13, 2025

Certified No. Emailed

Nancy Williams
Environmental Specialist
U.S. Environmental Protection Agency
1201 Elm Street, Suite 500
Dallas, Texas 75270-2102

Re: NPDES Permit # NM0027987
Sanitary System Overflow – Lift Station #15, 1385 HWY 528 - Rio Rancho, NM

Dear Ms. Williams:

At approximately 18:15 p.m. on Saturday, June 7, 2025, the operation system manager received a call that Lift Station #15 located at 1385 HWY 528 was overflowing due to a pump failure. Upon arrival and investigation from the maintenance, electricians, and collections departments, it was determined that both pumps had failed due to a faulty soft start and a damaged breaker. At this point, the electricians replaced both faulty components and restored power to the lift station. The estimated volume was 8,000 gallons. Flow did reach the Venada arroyo just west of the lift station but did not reach the Rio Grande River. The Collections Department cleaned and spread Lime on the affected area.

If you have any questions or concerns, please feel welcome to contact me at 505-604-8769.

Sincerely,

Dennis Gonzales
Operations Manager, Jacobs

cc: Steve Gallegos, CORR
Damon McElroy, USEPA
Jason Herman, NMED
Jason Martinez, NMED
Andy Edmondson, SSCAFCA
Dave Gatterman, SSCAFCA
Xavier Pettis, CORR

RioRancho
City of Vision

January 31, 2025

Certified No. EMAILED

Nancy Williams
Environmental Specialist
U.S. Environmental Protection Agency
1201 Elm Street, Suite 500
Dallas, Texas 75270-2102

Re: NPDES Permit # NM0027987
Sanitary System Overflow – Force Main, Lift Station #21, 1650 Riverside Drive - Rio Rancho, NM

Dear Ms. Williams:

At approximately 0946 a.m. on Tuesday, January 28, 2025, the operation systems manager received a call that there was a sanitary system overflow (SSO) at Lift Station #21 just North of our WWTP #3 facility. Upon arrival, the Collections Department determined that the 14" force main from lift station #21 was leaking. At this point, a berm was setup to stop any flow from entering the arroyo or the Rio Grande River. A local contractor was called out to repair the line. The estimated volume of 100 gallons flowed onto the nearby landscape. The spill did not reach the arroyo or river. The dirt in the affected area was removed and replaced after the repair was completed.

If you have any questions or concerns, please feel welcome to contact me at 505-604-8769.

Sincerely,

Dennis Gonzales
Operations Manager, Jacobs

cc: Steve Gallegos, CORR
Esteban Herrera, USEPA
Jason Herman, NMED
Jason Martinez, NMED
Andy Edmonson, SSCAFCA
Dave Gatterman, SSCAFCA
Xavier Pettis, CORR

RioRancho
City of Vision

June 25, 2025

Certified No. Emailed

Nancy Williams
Environmental Specialist
U.S. Environmental Protection Agency
1201 Elm Street, Suite 500
Dallas, Texas 75270-2102

Re: NPDES Permit # NM0027987
Sanitary System Overflow – Lift Station #24, 2300 Westside Blvd. SE - Rio Rancho, NM

Dear Ms. Williams:

At approximately 6:00 p.m. on Thursday, June 19, 2025, the operation system manager received a call that Lift Station #24 located at 2300 Westside Blvd. SE (WWTP #6) was overflowing due to a pump failure. Upon arrival and investigation from the maintenance, electricians, and collections departments, it was determined that pump one had failed due to pump guiderails, the compromised guiderails pulled down pump cable into pump causing the second failure. At this point, the mechanics replaced pump one while electricians rewired it and pump two is getting guiderails repaired on June 25, 2025. The estimated volume of 40,500 gallons that flowed from a manhole onto the nearby landscape. The flow also reached the arroyo adjacent to the manhole. Flow did not reach the Rio Grande River. The Collections Department cleaned and spread lime on the affected area.

On Friday, June 20, 2025, the same pumps faulted out twice throughout the day due to air conditioner failure withing panel. The pumps first faulted out at 7:00 a.m. This caused an estimated spill volume of 18,000 gallons. The pumps shut down again at 3:45 p.m. with an estimated spill volume of 3,500. At this point multiple departments were called out to assist with repairs along with a local contractor. The electrical component that failed was replaced and monitored due to excessive temperature. Flow did reach the nearby landscape and the arroyo. No flow to the river. The spill was cleaned, and lime was spread on affected areas.

If you have any questions or concerns, please feel welcome to contact me at 505-604-8769.

Sincerely,

Dennis Gonzales
Operations Manager, Jacobs

cc: Steve Gallegos, CORR
Damon McElroy, USEPA
Jason Herman, NMED
Jason Martinez, NMED
Andy Edmondson, SSCAFCA
Dave Gatterman, SSCAFCA
Xavier Pettis, CORR

RioRancho
City of Vision

June 30, 2025

Certified No. Emailed

Nancy Williams
Environmental Specialist
U.S. Environmental Protection Agency
1201 Elm Street, Suite 500
Dallas, Texas 75270-2102

Re: NPDES Permit # NM0027987
Sanitary System Overflow – Lift Station #24, 2300 Westside Blvd. SE - Rio Rancho, NM

Dear Ms. Williams:

At approximately 10:00 a.m. on Sunday, June 29, 2025, the operation system manager received a call that Lift Station #24 located at 2300 Westside Blvd. SE (WWTP #6) was overflowing due to a pump failure. Upon arrival and investigation from the operations and maintenance staff, it was determined that the PLC (Programmable Logic Controller) had faulted out causing the pumps to shut down. At this point, the PLC was repaired and power was restored back to the pumps. An estimated volume of 200 gallons flowed from the manhole onto the nearby landscape. The flow also reached the arroyo adjacent to the manhole. Flow did not reach the Rio Grande River. The operation staff cleaned and spread lime on the affected area.

If you have any questions or concerns, please feel welcome to contact me at 505-604-8769.

Sincerely,

Dennis Gonzales
Operations Manager, Jacobs

cc: Steve Gallegos, CORR
Damon McElroy, USEPA
Jason Herman, NMED
Jason Martinez, NMED
Patrck Chavez, AMAFCA
Xavier Pettis, CORR

City of Rio Rancho
Development Services Department

Construction Site Stormwater Runoff Control Program Report

Reporting Period: July 1, 2024 to June 30, 2025

Executive Summary

The Construction General Permit (CGP) program remains a vital regulatory mechanism for safeguarding water quality from construction-related stormwater pollution. During the reporting period of July 1, 2024, through June 30, 2025, the program processed activities for 96 distinct construction sites, demonstrating robust oversight of development activities across the City of Rio Rancho.

Program Overview and Regulatory Framework

The 2022 Construction General Permit, effective February 17, 2022, through February 16, 2027, establishes comprehensive requirements for construction operators disturbing one or more acres of land. The permit implements technology-based and water quality-based effluent limitations designed to minimize pollutant discharges through erosion and sediment controls, pollution prevention measures, and site stabilization requirements.

The regulatory framework requires operators to develop site-specific Stormwater Pollution Prevention Plans (SWPPPs) that address site conditions, potential pollutant sources, and appropriate control measures. Key permit requirements include pre-construction planning, installation of perimeter controls, sediment management, vehicle tracking controls, and progressive site stabilization as each construction phase is completed.

Permit Activity Analysis

Site Volume and Distribution

The program managed 96 construction sites during the reporting period, representing a diverse portfolio of development projects. This volume demonstrates active regional growth while showcasing the program's capacity to manage and oversee multiple simultaneous construction activities.

Action Type Breakdown

- **New Authorizations**: 63 sites (66%) received initial permit coverage, reflecting ongoing development pressure in the region

- **Permit Terminations**: 31 sites (32%) completed construction and achieved final stabilization requirements
- **Permit Modifications**: 4 sites (4%) required changes to existing coverage, typically due to project scope adjustments or phasing modifications

The high percentage of new authorizations relative to terminations suggests either an expansion of development activity or projects with extended construction timelines. The low modification rate indicates generally stable project planning and execution.

Coverage Type Distribution

- **General Permit Coverage**: 82 sites (85%) operated under complete CGP requirements
- **Low Erosivity Waivers**: 14 sites (15%) qualified for reduced requirements based on rainfall patterns and site-specific erosion potential

The predominance of general permit coverage demonstrates that most construction activities in the region require comprehensive stormwater management due to total earth disturbance, local climatic and soil conditions.

Project Categories and Regional Development Patterns

Residential Development

Residential subdivision activity dominated the permit portfolio, with major projects including multiple phases of the Lomas Encantadas, Melon Ridge, and Mountain Hawk developments, as well as various minor subdivisions. This pattern reflects suburban expansion and housing demand in the Rio Rancho area.

Commercial and Industrial Projects

Commercial construction included automotive service facilities (Mister Car Wash locations), retail developments (such as Walmart Fuel Centers), and industrial facilities. These projects typically involved smaller footprints but required specialized pollution prevention measures due to potential chemical exposures.

Infrastructure and Utility Projects

Municipal and utility infrastructure projects represented a substantial portion of permitted activities, including road reconstructions, culvert installations, detention pond construction, and water system improvements. These projects often required coordination with ongoing municipal services and presented unique challenges for sediment control in linear construction areas.

Educational and Institutional Development

The CNM Rio Rancho Applied Technology facility represents significant institutional investment in the region, requiring comprehensive stormwater management due to its scale and proximity to arroyos and sensitive receiving waters.

Integration with Municipal Stormwater Programs

The Municipal Separate Storm Sewer System (MS4) permit requirements establish a complementary regulatory framework that enhances oversight of construction sites. Municipal requirements include:

- Annual inspection of 100% of construction sites disturbing one or more acres
- Local ordinance enforcement for erosion and sediment control
- Site plan review incorporating water quality considerations
- Public education and contractor training programs

This dual-level oversight provides both federal baseline requirements and local implementation tailored to specific community needs and watershed characteristics.

Regional Considerations and Challenges

Climatic Factors

The semi-arid climate of the Rio Rancho region presents both challenges and opportunities for stormwater management in construction. Limited precipitation reduces the water erosion potential during dry periods but intensifies aeolian deposition during wind events. The permit's provisions for seasonally dry periods acknowledge these conditions while maintaining protection during vulnerable periods.

Soil and Topographic Conditions

Local soil types and topographic conditions significantly influence the potential for erosion and the effectiveness of control measures. The permit's design flexibility enables operators to select appropriate measures tailored to site-specific conditions while meeting performance standards.

Growth Management

The concentration of permitted activities in the Rio Rancho area reflects regional growth patterns that require coordinated planning to protect water quality at the watershed scale. Integration between construction site controls and long-term stormwater management becomes increasingly important as development intensity increases.

Conclusions and Recommendations

The Construction General Permit program demonstrates effective regulatory oversight of construction-related water quality impacts through a comprehensive framework that balances environmental protection with development needs. The program's performance during the reporting period demonstrates active engagement in diverse construction activities while maintaining a consistent application of water quality protection measures.

Key observations for continued program effectiveness include:

The high volume of new permits relative to terminations warrants monitoring to ensure adequate program resources and timely permit processing. Extended construction timelines indicate opportunities for enhanced project coordination or phased development approaches that minimize cumulative environmental impacts.

The predominance of general permit coverage over low-erosivity waivers reflects the appropriate application of risk-based permitting criteria. However, continued monitoring of local precipitation patterns may inform future decisions on waiver eligibility.

Integration with municipal stormwater programs provides enhanced oversight and local implementation capacity, thereby strengthening the overall program effectiveness.

The program's continued success depends on maintaining adequate oversight capacity, supporting operator compliance through training and technical assistance, and adapting requirements to evolving construction practices and environmental conditions.

USEPA 2022 Construction General Permit (CGP) - July 1, 2024-June 30, 2025

Notice of Intent (NOI), Notice of Termination (NOT) and Low Erosivity Waiver (LEW)

#	ISSUER	REGULATED ENTITY NAME	PROGRAM ID	PROGRAM	COVERAGE TYPE	PROGRAM AREA	ACTION TYPE	ACTION STATUS	COVERAGE STATUS	CERTIFIED DATE	EFFECTIVE DATE
1	EPA	Mountain Hawk 40 Subdivision	NMR1003WG	NPDES	General Permit	Construction Stormwater	Termination	Approved	Terminated	6/16/2025	5/24/2021
2	EPA	Lomas Encantadas 1G Phase 1	NMR10041S	NPDES	General Permit	Construction Stormwater	Termination	Approved	Terminated	3/27/2025	7/16/2021
3	EPA	Phase 1 Melon Ridge Subdivision	NMR10046P	NPDES	General Permit	Construction Stormwater	Termination	Approved	Terminated	7/8/2024	9/15/2021
4	EPA	The Village at Cabezon	NMR1004G9	NPDES	General Permit	Construction Stormwater	Termination	Approved	Terminated	4/8/2025	1/28/2022
5	EPA	LOMAS ENCANTADAS	NMR1004S6	NPDES	General Permit	Construction Stormwater	Termination	Approved	Terminated	9/30/2024	6/1/2022
6	EPA	Slim Chickens - Wellspring	NMR10050X	NPDES	General Permit	Construction Stormwater	Termination	Approved	Terminated	7/12/2024	8/24/2022
7	EPA	MELON RIDGE PHASE 1 & 2	NMR10051Y	NPDES	General Permit	Construction Stormwater	Change	Approved	Active	10/9/2024	9/7/2022
8	EPA	Lomas Encantadas 1G Phase 2 & 3	NMR100544	NPDES	General Permit	Construction Stormwater	Change	Approved	Terminated	7/18/2024	10/5/2022
9	EPA	Lomas Encantadas 1G Phase 2 & 3	NMR100544	NPDES	General Permit	Construction Stormwater	Termination	Approved	Terminated	6/16/2025	10/5/2022
10	EPA	Lomas Encantadas 1G Phase 2 & 3	NMR100544	NPDES	General Permit	Construction Stormwater	Change	Approved	Terminated	8/22/2024	10/5/2022
11	EPA	Lower Ivory Channel	NMR10056H	NPDES	General Permit	Construction Stormwater	Termination	Approved	Terminated	11/1/2024	11/4/2022
12	EPA	VISTA GRANDE SUBDIVISION	NMR10059K	NPDES	General Permit	Construction Stormwater	Change	Approved	Active	9/5/2024	12/19/2022
13	EPA	Mister Carwash	NMR1005AQ	NPDES	General Permit	Construction Stormwater	Termination	Approved	Terminated	12/10/2024	1/3/2023
14	EPA	CJ & WN Transmission	NMR1005B8	NPDES	General Permit	Construction Stormwater	Termination	Approved	Terminated	8/7/2024	1/10/2023
15	EPA	Siesta Hills II - Baltic Park Subdivision	NMR1005HH	NPDES	General Permit	Construction Stormwater	Termination	Approved	Terminated	9/6/2024	3/31/2023
16	EPA	SSCAFCA High Range Detention Pond	NMR1005VJ	NPDES	General Permit	Construction Stormwater	Termination	Approved	Terminated	9/27/2024	9/20/2023
17	EPA	Enchanted Hills Blvd Reconstruction	NMR1005VL	NPDES	General Permit	Construction Stormwater	Termination	Approved	Terminated	12/11/2024	9/20/2023
18	EPA	High Range Pond	NMR1005ZG	NPDES	General Permit	Construction Stormwater	Termination	Approved	Terminated	11/1/2024	11/8/2023
19	EPA	LOS DIAMANTES	NMR100602	NPDES	General Permit	Construction Stormwater	Termination	Approved	Terminated	9/24/2024	11/15/2023
20	EPA	CARRIAGE COVE	NMR100604	NPDES	General Permit	Construction Stormwater	Termination	Approved	Terminated	12/2/2024	11/16/2023
21	EPA	VCG Concrete Plant 1	NMR10060G	NPDES	General Permit	Construction Stormwater	Termination	Approved	Terminated	5/2/2025	11/20/2023

USEPA 2022 Construction General Permit (CGP) - July 1, 2024-June 30, 2025

Notice of Intent (NOI), Notice of Termination (NOT) and Low Erosivity Waiver (LEW)

#	ISSUER	REGULATED ENTITY NAME	PROGRAM ID	PROGRAM	COVERAGE TYPE	PROGRAM AREA	ACTION TYPE	ACTION STATUS	COVERAGE STATUS	CERTIFIED DATE	EFFECTIVE DATE
22	EPA	Quantum Road Reconstruction	NMR10061Q	NPDES	General Permit	Construction Stormwater	Termination	Approved	Terminated	12/11/2024	12/1/2023
23	EPA	Phase 2 Melon Ridge Subdivision	NMR10062J	NPDES	General Permit	Construction Stormwater	Termination	Approved	Terminated	4/14/2025	12/15/2023
24	EPA	TAG	NMR10062Q	NPDES	General Permit	Construction Stormwater	Change	Approved	Active	9/12/2024	12/19/2023
25	EPA	PW2249 Northern Boulevard Waterline Replacement	NMR10063Z	NPDES	General Permit	Construction Stormwater	Termination	Approved	Terminated	4/8/2025	1/3/2024
26	EPA	BLAKES 65	NMR10064B	NPDES	General Permit	Construction Stormwater	Termination	Approved	Terminated	7/9/2024	1/10/2024
27	EPA	Phase 2 Melon Ridge Subdivision	NMR10064R	NPDES	General Permit	Construction Stormwater	Termination	Approved	Terminated	6/26/2025	1/18/2024
28	EPA	Northern Blvd. Reconstruction	NMR10065H	NPDES	General Permit	Construction Stormwater	Termination	Approved	Terminated	1/10/2025	1/26/2024
29	EPA	MARKET STREET #921	NMR10065P	NPDES	General Permit	Construction Stormwater	Termination	Approved	Terminated	2/18/2025	1/29/2024
30	EPA	CORR Well 13R Equipping and Site Improvements	NMR10065Q	NPDES	General Permit	Construction Stormwater	Termination	Approved	Terminated	6/3/2025	1/29/2024
31	EPA	Phase 2 Melon Ridge Subdivision	NMR10066E	NPDES	General Permit	Construction Stormwater	Termination	Approved	Terminated	4/8/2025	2/6/2024
32	EPA	RRPS CTE (SKILLED TRADES FACILITY)	NMR10067K	NPDES	General Permit	Construction Stormwater	Termination	Approved	Terminated	6/23/2025	2/15/2024
33	EPA	Scottish Isle	NMR100695	NPDES	General Permit	Construction Stormwater	Termination	Approved	Terminated	4/8/2025	3/8/2024
34	EPA	District 5 Residential Hybrid Mill and Inlay	NMR1006BG	NPDES	General Permit	Construction Stormwater	Termination	Approved	Terminated	12/11/2024	4/4/2024
35	EPA	Mister Car Wash Montoya	NMR1006EM	NPDES	General Permit	Construction Stormwater	Termination	Approved	Terminated	12/4/2024	5/13/2024
36	EPA	STONE MOUNTAIN SUBDIVISION	NMR1006I8	NPDES	General Permit	Construction Stormwater	Termination	Approved	Terminated	4/21/2025	6/21/2024
37	EPA	Mountain Hawk 30 Tract- A Park	NMR1006K4	NPDES	General Permit	Construction Stormwater	New	Approved	Terminated	7/9/2024	7/23/2024
38	EPA	Mountain Hawk 30 Tract- A Park	NMR1006K4	NPDES	General Permit	Construction Stormwater	Termination	Approved	Terminated	12/19/2024	7/23/2024
39	EPA	District 1 Residential Hybrid Mill and Inlay Unit 3	NMR1006KN	NPDES	General Permit	Construction Stormwater	New	Approved	Active	7/15/2024	7/29/2024
40	EPA	Mountain Hawk 30 Tract-A, Park	NMR1006KO	NPDES	General Permit	Construction Stormwater	New	Approved	Active	7/16/2024	7/30/2024
41	EPA	Sunset Channel	NMR1006M1	NPDES	General Permit	Construction Stormwater	New	Approved	Terminated	7/30/2024	8/13/2024
42	EPA	Sunset Channel	NMR1006M1	NPDES	General Permit	Construction Stormwater	Termination	Approved	Terminated	2/10/2025	8/13/2024

USEPA 2022 Construction General Permit (CGP) - July 1, 2024-June 30, 2025

Notice of Intent (NOI), Notice of Termination (NOT) and Low Erosivity Waiver (LEW)

#	ISSUER	REGULATED ENTITY NAME	PROGRAM ID	PROGRAM	COVERAGE TYPE	PROGRAM AREA	ACTION TYPE	ACTION STATUS	COVERAGE STATUS	CERTIFIED DATE	EFFECTIVE DATE
43	EPA	College Boulevard Extension	NMR1006MO	NPDES	General Permit	Construction Stormwater	Termination	Approved	Terminated	6/2/2025	8/20/2024
44	EPA	College Boulevard Extension	NMR1006MO	NPDES	General Permit	Construction Stormwater	New	Approved	Terminated	8/6/2024	8/20/2024
45	EPA	College Boulevard Extension	NMR1006N1	NPDES	General Permit	Construction Stormwater	New	Approved	Active	8/12/2024	8/26/2024
46	EPA	District 1 Residential Hybrid Ph2 (Unit 1 and 2)	NMR1006NN	NPDES	General Permit	Construction Stormwater	New	Approved	Active	8/16/2024	8/30/2024
47	EPA	RR Mesa East and West Lakes Remediation	NMR1006NV	NPDES	General Permit	Construction Stormwater	New	Approved	Active	8/20/2024	9/3/2024
48	EPA	District 1 Residential Hybrid Phase 2 (Unit 1 and 2)	NMR1006O9	NPDES	General Permit	Construction Stormwater	New	Approved	Active	8/26/2024	9/9/2024
49	EPA	Cielo Azul Subdivision	NMR1006OA	NPDES	General Permit	Construction Stormwater	New	Approved	Active	8/27/2024	9/10/2024
50	EPA	Cielo Azul Subdivision	NMR1006OB	NPDES	General Permit	Construction Stormwater	New	Approved	Active	8/27/2024	9/10/2024
51	EPA	Campus Park Phase 2	NMR1006OG	NPDES	Low Erosivity Waiver	Construction Stormwater	New	Approved	Expired	8/30/2024	8/30/2024
52	EPA	Campus Park Phase 2	NMR1006OG	NPDES	Low Erosivity Waiver	Construction Stormwater	Change	Approved	Expired	1/10/2025	8/30/2024
53	EPA	Safelite Blvd	NMR1006OI	NPDES	Low Erosivity Waiver	Construction Stormwater	New	Approved	Expired	8/30/2024	8/30/2024
54	EPA	RR Mesa East and West Lakes Remediation	NMR1006OP	NPDES	General Permit	Construction Stormwater	New	Approved	Active	9/3/2024	9/17/2024
55	EPA	Lomas Encantadas 1G Phase 3A	NMR1006OQ	NPDES	General Permit	Construction Stormwater	New	Approved	Active	9/3/2024	9/17/2024
56	EPA	Campus Park, Phase II	NMR1006P1	NPDES	Low Erosivity Waiver	Construction Stormwater	New	Approved	Expired	9/6/2024	9/6/2024
57	EPA	Quail Ranch	NMR1006PQ	NPDES	General Permit	Construction Stormwater	New	Approved	Active	9/13/2024	9/27/2024
58	EPA	3508 Northern Blvd RV Storage Park	NMR1006RG	NPDES	Low Erosivity Waiver	Construction Stormwater	New	Approved	Expired	10/3/2024	10/3/2024
59	EPA	Riparia Ponds	NMR1006T4	NPDES	General Permit	Construction Stormwater	New	Approved	Active	10/25/2024	11/8/2024
60	EPA	Riparia Ponds	NMR1006TN	NPDES	General Permit	Construction Stormwater	New	Approved	Active	11/1/2024	11/15/2024
61	EPA	Idalia Road Culvert Crossing	NMR1006VE	NPDES	General Permit	Construction Stormwater	New	Approved	Active	11/21/2024	12/5/2024
62	EPA	Idalia Culvert Crossing	NMR1006VL	NPDES	General Permit	Construction Stormwater	New	Approved	Active	11/22/2024	12/6/2024
63	EPA	SANDSTONE BLUFFS	NMR1006VO	NPDES	General Permit	Construction Stormwater	New	Approved	Active	11/25/2024	12/9/2024

USEPA 2022 Construction General Permit (CGP) - July 1, 2024-June 30, 2025

Notice of Intent (NOI), Notice of Termination (NOT) and Low Erosivity Waiver (LEW)

#	ISSUER	REGULATED ENTITY NAME	PROGRAM ID	PROGRAM	COVERAGE TYPE	PROGRAM AREA	ACTION TYPE	ACTION STATUS	COVERAGE STATUS	CERTIFIED DATE	EFFECTIVE DATE
64	EPA	Scottish Isle Subdivision	NMR1006VT	NPDES	General Permit	Construction Stormwater	New	Approved	Active	11/26/2024	12/10/2024
65	EPA	BROADMOOR HEIGHTS UNIT 5	NMR1006WG	NPDES	General Permit	Construction Stormwater	New	Approved	Active	12/10/2024	12/24/2024
66	EPA	LOS DIAMANTES PHASE 3	NMR1006X2	NPDES	General Permit	Construction Stormwater	New	Approved	Active	12/17/2024	12/31/2024
67	EPA	Sandoval Flats Apartments	NMR1006X6	NPDES	General Permit	Construction Stormwater	New	Approved	Active	12/19/2024	1/2/2025
68	EPA	District 4 Phase 3 Hybrid	NMR1006XU	NPDES	Low Erosivity Waiver	Construction Stormwater	New	Approved	Expired	1/7/2025	1/7/2025
69	EPA	Broadmoor BLVD Mill and Inlay	NMR1006XX	NPDES	General Permit	Construction Stormwater	New	Approved	Active	1/8/2025	1/22/2025
70	EPA	District 4 Residential Mill and Inlay Hybrid, Phase 3	NMR1006Y6	NPDES	Low Erosivity Waiver	Construction Stormwater	New	Approved	Expired	1/10/2025	1/10/2025
71	EPA	Broadmoor Blvd Mill and Inlay Project	NMR1006Y7	NPDES	General Permit	Construction Stormwater	New	Approved	Active	1/10/2025	1/24/2025
72	EPA	Middle Venada Arroyo Water Quality Facility	NMR1006Z9	NPDES	General Permit	Construction Stormwater	New	Approved	Active	1/22/2025	2/5/2025
73	EPA	Inca Apartments	NMR1006ZD	NPDES	General Permit	Construction Stormwater	New	Approved	Active	1/24/2025	2/7/2025
74	EPA	Broadmoor Heights Unit 4	NMR1006ZM	NPDES	General Permit	Construction Stormwater	New	Approved	Active	1/27/2025	2/10/2025
75	EPA	Middle Venada Arroyo Water Quality Facility	NMR10070H	NPDES	General Permit	Construction Stormwater	New	Approved	Active	2/10/2025	2/24/2025
76	EPA	Jaxson RV & Marine Storage 2	NMR10071M	NPDES	General Permit	Construction Stormwater	New	Approved	Active	2/20/2025	3/6/2025
77	EPA	District 5 Hybrid - Phase 3 Unit 1 - 38th St SE	NMR10073B	NPDES	Low Erosivity Waiver	Construction Stormwater	New	Approved	Expired	3/13/2025	3/13/2025
78	EPA	03732-1001 - Rio Rancho, NM - Walmart Fuel Center	NMR10073G	NPDES	General Permit	Construction Stormwater	New	Approved	Active	3/17/2025	3/31/2025
79	EPA	District 4 Residential Hybrid Ph 3 Unit 1	NMR10073T	NPDES	General Permit	Construction Stormwater	New	Approved	Active	3/21/2025	4/4/2025
80	EPA	District 4, Phase 3, Unit 1 - Hybrid Mill & Inlay Rehabilitation	NMR10074A	NPDES	General Permit	Construction Stormwater	New	Approved	Active	3/27/2025	4/10/2025
81	EPA	D5 Hybrid Phase III_La Casa de Prasa	NMR10074V	NPDES	Low Erosivity Waiver	Construction Stormwater	New	Approved	Expired	4/7/2025	4/7/2025
82	EPA	BOX LAKE LOTS	NMR100754	NPDES	General Permit	Construction Stormwater	New	Approved	Active	4/9/2025	4/23/2025
83	EPA	ONTARIO PLACE LOTS	NMR100755	NPDES	General Permit	Construction Stormwater	New	Approved	Active	4/9/2025	4/23/2025
84	EPA	03732-1001 - Rio Rancho, NM - Walmart Fuel Center	NMR100756	NPDES	General Permit	Construction Stormwater	New	Approved	Active	4/11/2025	4/25/2025

USEPA 2022 Construction General Permit (CGP) - July 1, 2024-June 30, 2025

Notice of Intent (NOI), Notice of Termination (NOT) and Low Erosivity Waiver (LEW)

#	ISSUER	REGULATED ENTITY NAME	PROGRAM ID	PROGRAM	COVERAGE TYPE	PROGRAM AREA	ACTION TYPE	ACTION STATUS	COVERAGE STATUS	CERTIFIED DATE	EFFECTIVE DATE
85	EPA	Well 3 Site Improvements and Santiago Way PRV replacement	NMR10075H	NPDES	Low Erosivity Waiver	Construction Stormwater	New	Approved	Expired	4/17/2025	4/17/2025
86	EPA	SANDSTONE BLUFFS	NMR10075T	NPDES	General Permit	Construction Stormwater	Termination	Approved	Terminated	5/21/2025	5/6/2025
87	EPA	SANDSTONE BLUFFS	NMR10075T	NPDES	General Permit	Construction Stormwater	New	Approved	Terminated	4/22/2025	5/6/2025
88	EPA	LOMAS ENCANTADAS 1D PHASE 1A	NMR10075U	NPDES	General Permit	Construction Stormwater	New	Approved	Active	4/22/2025	5/6/2025
89	EPA	Stone Mountain Subdivision	NMR100774	NPDES	General Permit	Construction Stormwater	New	Approved	Active	5/6/2025	5/20/2025
90	EPA	AMARE RIO RANCHO	NMR10077C	NPDES	General Permit	Construction Stormwater	New	Approved	Active	5/9/2025	5/23/2025
91	EPA	AMARE RIO RANCHO	NMR10077E	NPDES	General Permit	Construction Stormwater	New	Approved	Active	5/9/2025	5/23/2025
92	EPA	LOMAS ENCANTADAS EXTENSION	NMR10077H	NPDES	General Permit	Construction Stormwater	New	Approved	Active	5/12/2025	5/26/2025
93	EPA	The Locker 505 Community Solar Project ASG2	NMR100790	NPDES	General Permit	Construction Stormwater	New	Approved	Active	6/4/2025	6/18/2025
94	EPA	D4 Hybrid Phase III - Unit 2	NMR10079S	NPDES	Low Erosivity Waiver	Construction Stormwater	New	Approved	Expired	6/17/2025	6/17/2025
95	EPA	CNM RIO RANCHO APPLIED TECHNOLOGY	NMR10079X	NPDES	General Permit	Construction Stormwater	New	Approved	Active	6/18/2025	7/2/2025
96	EPA	CNM RIO RANCHO APPLIED TECHNOLOGY	NMR1007AF	NPDES	General Permit	Construction Stormwater	New	Approved	Active	6/25/2025	7/9/2025

City of Rio Rancho
Development Services Department

Dry Weather Discharge Screening Report

Reporting Period: July 1, 2024 to June 30, 2025

Executive Summary

On May 5, 2025, the City of Rio Rancho conducted comprehensive dry weather discharge screening along the Rivers Edge Subdivision stormwater outfall system. The investigation, performed by Xavier Pettes, NPDES Project Manager, examined seven outfall locations and found no active dry weather flows at any of the inspection points. All outfalls exhibited dry conditions, with only residual ponded water present, indicating proper system performance and no evidence of illicit discharges into the Municipal Separate Storm Sewer System (MS4).

Background and Regulatory Context

The investigation was conducted in accordance with NPDES Permit No. NMR04A000 requirements for dry weather discharge screening of MS4 systems. The permit requires permittees to identify, investigate, and address areas within their jurisdiction that may contribute excessive levels of pollutants to the storm sewer system through dry weather discharges, including illicit discharges, allowable non-stormwater discharges, and groundwater infiltration.

Given the arid and semi-arid conditions of the Rio Rancho area, a dry weather screening program can be carried out during both the wet season (July 1 through October 31) and the dry season (November 1 through June 30). Screening must include monitoring for BOD_5, sediment parameters (TSS or turbidity), E. coli, oil and grease, nutrients, and any pollutants identified as causes of impairment in receiving waters.

Site Description

The investigated area encompasses Rivers Edge I, II, and III Subdivisions, characterized by concrete curb and gutter, asphalt roadway surfaces, and storm drainage infrastructure serving this residential neighborhood. The system features multiple outfall points that discharge into concretelined and natural arroyos, eventually connecting to the Rio Grande River.

Investigation Findings

Outfall Locations Inspected:

Outfall ID: Rivers Edge #1 (2:08 AM)

- **Location:** 35°17'56"N, 106°34'50"W
- **Conveyance:** MS4 Outfall, concrete circular pipe (24" diameter)
- **Flow Status:** Dry with ponded water present
- **Water Quality Observations:**
  - Color: None observed
  - Odor: None detected
  - Turbidity: Some cloudiness noted
  - Oil and Grease: None visible
- **Visual Conditions:** Concrete outfall structure with blue spray paint markings visible on infrastructure

Outfall ID: Rivers Edge #2 (2:15 PM)

- **Location:** 35°17'27"N, 106°35'20"W
- **Conveyance:** MS4 Outfall, steel circular pipe (18" diameter)
- **Flow Status:** Dry with ponded water
- **Water Quality Observations:**
  - Color: None
  - Odor: None detected
  - Turbidity: Some cloudiness
  - Oil and Grease: None visible
- **Visual Conditions:** Steel pipe outfall with evidence of recent flow patterns

Outfall ID: Rivers Edge #3 (2:21 PM)

- **Location:** 35°17'22"N, 106°35'30"W
- **Conveyance:** MS4 Outfall, RCP (Reinforced Concrete Pipe), 60" diameter
- **Flow Status:** Dry conditions observed
- **Water Quality Observations:**
  - No flow present for sampling
  - The channel appeared dry with some sediment accumulation
- **Visual Conditions:** Large-diameter concrete pipe serving as a major conveyance

Outfall ID: Rivers Edge #4 (2:30 PM)

- **Location:** 35°17'23"N, 106°35'35"W
- **Conveyance:** MS4 Outfall, other material, 30" diameter
- **Flow Status:** Ponded water with no active flow
- **Water Quality Observations:**
  - Color: None observed
  - Odor: None detected
  - Turbidity: None observed
  - Oil and Grease: None visible
- **Visual Conditions:** Outfall structure in a natural setting with vegetation growth

Outfall ID: Rivers Edge #5 (2:39 PM)

- **Location:** 35°17'13"N, 106°35'42"W
- **Conveyance:** MS4 Outfall, RCP, 48" diameter
- **Flow Status:** Ponded water, no active flow
- **Water Quality Observations:**
  - No water quality issues observed
  - Clear ponded water present
- **Visual Conditions:** Large concrete structure with surrounding riprap and engineered channel

Outfall ID: Rivers Edge #6 (2:42 PM)

- **Location:** 35°17'06"N, 106°36'48"W
- **Conveyance:** MS4 Outfall, RCP, 48" diameter
- **Flow Status:** Ponded water present
- **Water Quality Observations:**
  - Water appeared clear in ponded areas
  - No obvious contamination observed
- **Visual Conditions:** Well-maintained concrete infrastructure with proper drainage patterns

Outfall ID: Rivers Edge #7 (2:50 PM)

- **Location:** 35°17'34"N, 106°35'60"W
- **Conveyance:** MS4 Outfall, earthen/riprap channel
- **Flow Status:** Dry conditions with ponded water in the channel
- **Water Quality Observations:**
  - Clear water in ponded areas
  - No contamination indicators observed
- **Visual Conditions:** Natural channel with riprap protection and concrete weir structure

Key Observations

Infrastructure Conditions

The inspection revealed generally well-maintained stormwater infrastructure, with properly constructed outfalls and energy dissipation structures in place. The concrete channels and pipes appeared to be in good structural condition with appropriate sizing for the drainage area.

Water Quality Indicators

No obvious signs of contamination were observed during the visual inspection, including:

- No unusual odors detected
- No visible oil sheens or grease

- No abnormal coloration of water
- No excessive turbidity beyond normal levels

Vegetation and Wildlife

Several locations exhibited healthy riparian vegetation and wildlife activity, including ducks observed in ponded areas, which suggests that the water quality may not be severely impacted.

Compliance Assessment

The dry weather screening was conducted in accordance with NPDES permit requirements, including:

- ✓ Sufficient screening points to assess pollutant levels from MS4 areas
- ✓ Visual assessment for required parameters (sediment, oil/grease, general water quality)
- ✓ Documentation of sampling and non-sampling techniques
- ✓ Antecedent dry period requirements met (72+ hours after rain events >0.1")

Program Recommendations

Long-term Monitoring

1. **Establish Monitoring Schedule:** Continue annual dry weather screening at these locations as part of the ongoing SWMP
2. **Seasonal Comparison:** Consider comparing dry season and wet season results to understand flow patterns better
3. **Coordination with IDDE Program:** Integrate findings with illicit discharge detection and elimination program activities

Public Outreach

1. **Residential Education:** Educate Rivers Edge residents about proper disposal of household chemicals and landscaping practices
2. **Contractor Oversight:** Ensure construction activities in the area include proper erosion control and waste management best management practices

Conclusion

The dry weather discharge screening of the Rivers Edge area revealed a stormwater system that appears to be functioning properly visually. While some locations showed ponded water during dry conditions, no apparent signs of illicit discharge or contamination were observed. The investigation provides a baseline for ongoing monitoring and demonstrates compliance with NPDES permit requirements for dry weather screening.

Continued monitoring and analytical sampling will help determine if the observed conditions represent normal groundwater infiltration or require further investigation under the city's illicit discharge detection and elimination program.

CITY OF RIO RANCHO
IDDE INSPECTION FIELD FORM

PROJECT/SURVEY NAME (i.e., Wet, Dry, Incident Tracking, Outfall Recon Inventory)	DATE	TIME	INVESTIGATOR(S)
DRY WEATHER SCREENING	5/5/2025	2:08 PM	XAVIER PETTES
OUTFALL ID	**SUBWATERSHED**	**LATITUDE** 15°17'54"N	**OBSERVER INFO. (Reported by Citizens)**
RIVERS EDGE #1	BARRANCAS	**LONGITUDE** 106°34'50"W	ANNUAL SCREENING
LAND USE IN DRAINAGE AREA (i.e., Commercial, Industrial, Residential)	**WEATHER**	**LAST RAIN (>72 hours or < 72 hours)**	
RESIDENTIAL	60°F	0.13"-0.61" COCORAHS	

Conveyance (Check one only)	☒ MS4 Outfall	☐ Other MS4 Structure	☐ Concrete Channel	☐ Earthen Channel	☐ Arroyo/Natural Creek	Comments:			
Material	☒ Concrete	☐ Earthen	☐ Rip-Rap	☐ RCP	☐ CMP	☐ PVC	☐ HDPE	☐ Steel	☐ Other_____
Shape	☒ Circular	☐ Eliptical	☐ Box	☐ Trapezoid	☐ Parabolic	☐ Other_____	☐ Single	☐ Double	☐ Triple ☐ Other_____
Dimensions	☒ Diameter/Dimensions: 24"		☐ Depth: _____	☐ Bottom Width: _____		☐ Top Width: _____			
Submerged	In Water: ☒ No	☐ Partially	☐ Fully		With Sediment: ☒ No	☐ Partially	☐ Fully		
Ownership	☐ SSCAFCA	☒ City	☐ Private	☐ Unknown	☐ Other_____				
Discharges to	☐ Pond/Depressional Feature	☐ Natural Conveyance	☐ Storm Drain Channel	☐ Open Space	☒ Rio Grande (WOTUS	☐ Other_____			
Flow Status	☐ Flowing	☒ Dry	☐ Ponded		**Flow Reaches Receiving Water?**	☐ Yes	☐ No		

WATER QUALITY APPEARANCE							
ODOR	☐ HYDROGEN SULFIDE	☐ MUSTY	☐ SEWAGE	☐ AMMONIA	☐ GASOLINE	☐ OTHER	
	☐ SOAP	☐ CHLORINE	☒ NONE	☐ EARTHY	☐ PESTICIDE		
COLOR	☐ YELLOW	☐ GREEN	☐ BLUE	☐ BROWN	☐ BLACK	☐ OTHER	
	☐ GRAY	☐ WHITE	☐ COLORLESS	☒ NONE			
FLOATING MATERIALS	☐ TRASH OR DEBRIS	☐ OILY SHEEN	☐ ORGANIC	☐ SCUM	☐ SUDS	☐ OTHER	
	☐ OBJECTS (DESCRIBE)	☐ FECAL MATTER	☐ BIOFILM	☒ NONE			
OIL AND GREASE	☒ NONE	☐ DEPOSIT	☐ EMULSION	☐ SHEEN	☐ HEAVY FLOATING CONCENTRATION		
TURBIDITY	☐ HEAVY CLOUDINESS, OPAQUE		☐ CLOUDY	☐ SOME CLOUDINESS	☒ NONE		

POTENTIAL SOURCES OF FLOW OBSERVED NEAR SITE	☐ Pool/Spa Discharge	☐ Illicit Connection	☐ Restaurant Washing write restaurant name in comments	☐ Illegal Dumping	☐ Sewage	☐ Groundwater
	☐ Irrigation Runoff	☐ Vehicle Washing	☐ Water Line Break	☐ Permitted Discharge	☐ Power Washing	☐ Other
	DESCRIBE ALL SOURCES: NONE					

OTHER VISUAL OBSERVATIONS

Outfall Damage	☐ Cracking or Chipping	☐ Corrosion	☐ Peeling Paint	☒ Undermined Structure	☐ None	☐ Other_____
Deposits/Stains	☐ Flow Line	☐ Oily	☐ Paint	☒ None	☐ Other_____	
Abnormal Vegetation	☒ Excessive	☐ Inhibited				
Pipe benthic growth	☐ Brown	☐ Orange	☐ Green	☒ None	☐ Other_____	

FIELD MEASUREMENTS (Taken in duplicate)	TEMP (degree C)	pH	CONDUCTIVITY (uS/cm)
	TEMP (degree C)	pH	CONDUCTIVITY (uS/cm)

GRAB COLLECTION TIME:	**Grab samples collected:** (Circle all that apply) **Ammonia, Bacteria, Boron, Chlorine, Color, Detergents, Fluoride, Hardness, Potassium, Surfactants**

QA/QC SAMPLES:	☐ Field Duplicate	☐ Field Blank	

FLOW ESTIMATION **Flow** Yes / No / Ponded **Evidence of overland flow near sampling location?** Yes / No

Marsh-McBirney used for flow measurements? Yes / No

Flowing Creek (Marsh-McBirney or leaf method)	**Filling a Bottle**	**Flowing Pipe**
1. Width (ft or in) _____	1. Volume (mL or L) _____	1. Pipe Diameter (ft or in) _____
2. Depth (ft or in) _____	2. Time to fill (sec) _____	2. Depth (ft or in) _____
3. Velocity (ft or in / sec) _____		3. Velocity (ft or in / sec) _____
Flow _____	Flow _____	Flow _____

PHOTOS TAKEN: ☒ YES ☐ NO	**COMMENTS:** PIPE OUTFALL WAS DRY DURING THIS FIELD VISIT.

INVESTIGATOR SIGNATURE _____ NPDES PROJECT MANAGER





CITY OF RIO RANCHO
IDDE INSPECTION FIELD FORM

PROJECT/SURVEY NAME (i.e., Wet, Dry, Incident Tracking, Outfall Recon Inventory)	DATE	TIME	INVESTIGATOR(S)
DRY WEATHER SCREENING	5/5/2025	2:15 pm	XAVIER PETTES
OUTFALL ID	**SUBWATERSHED**	**LATITUDE** 15° 17' 27" N	**OBSERVER INFO. (Reported by Citizens)**
RIVERS EDGE # 2	BARRANCAS	**LONGITUDE** 106° 35' 20" W	ANNUAL SCREENING
LAND USE IN DRAINAGE AREA (i.e., Commercial, Industrial, Residential)	**WEATHER**	**LAST RAIN (>72 hours or < 72 hours)**	
RESIDENTIAL	60. F	0.13" - 0.61" COLORADO	

Conveyance (Check one only)	☒ MS4 Outfall	☐ Other MS4 Structure	☐ Concrete Channel	☐ Earthen Channel	☐ Arroyo/Natural Creek	Comments:		
Material	☐ Concrete	☐ Earthen	☐ Rip-Rap	☐ RCP	☐ CMP	☐ PVC	☐ HDPE	☒ Steel ☐ Other_____
Shape	☒ Circular	☐ Eliptical	☐ Box	☐ Trapezoid	☐ Parabolic	☐ Other_____	☐ Single	☐ Double ☐ Triple ☐ Other_____
Dimensions	☒ Diameter/Dimensions: 18"		☐ Depth: _____	☐ Bottom Width: _____		☐ Top Width: _____		
Submerged	In Water: ☒ No	☐ Partially	☐ Fully		With Sediment: ☒ No	☐ Partially	☐ Fully	
Ownership	☐ SSCAFCA	☒ City	☐ Private	☐ Unknown	☐ Other_____			
Discharges to	☐ Pond/Depressional Feature	☐ Natural Conveyance	☐ Storm Drain Channel	☒ Open Space	☐ Rio Grande (WOTUS	☐ Other_____		
Flow Status	☐ Flowing	☒ Dry	☐ Ponded		**Flow Reaches Receiving Water?**	☐ Yes	☐ No	

WATER QUALITY APPEARANCE						
ODOR	☐ HYDROGEN SULFIDE	☐ MUSTY	☐ SEWAGE	☐ AMMONIA	☐ GASOLINE	☐ OTHER
	☐ SOAP	☐ CHLORINE	☒ NONE	☐ EARTHY	☐ PESTICIDE	
COLOR	☐ YELLOW	☐ GREEN	☐ BLUE	☐ BROWN	☐ BLACK	☐ OTHER
	☐ GRAY	☐ WHITE	☐ COLORLESS	☒ NONE		
FLOATING MATERIALS	☐ TRASH OR DEBRIS	☐ OILY SHEEN	☐ ORGANIC	☐ SCUM	☐ SUDS	☐ OTHER
	☐ OBJECTS (DESCRIBE)	☐ FECAL MATTER	☐ BIOFILM	☒ NONE		
OIL AND GREASE	☒ NONE	☐ DEPOSIT	☐ EMULSION	☐ SHEEN	☐ HEAVY FLOATING CONCENTRATION	
TURBIDITY	☐ HEAVY CLOUDINESS, OPAQUE		☐ CLOUDY	☐ SOME CLOUDINESS	☒ NONE	

POTENTIAL SOURCES OF FLOW OBSERVED NEAR SITE	☐ Pool/Spa Discharge	☐ Illicit Connection	☐ Restaurant Washing write restaurant name in comments	☐ Illegal Dumping	☐ Sewage	☐ Groundwater
	☐ Irrigation Runoff	☐ Vehicle Washing	☐ Water Line Break	☐ Permitted Discharge	☐ Power Washing	☐ Other
	DESCRIBE ALL SOURCES: N/A					

OTHER VISUAL OBSERVATIONS

Outfall Damage	☐ Cracking or Chipping	☐ Corrosion	☐ Peeling Paint	☐ Undermined Structure	☒ None	☐ Other_____
Deposits/Stains	☐ Flow Line	☐ Oily	☐ Paint	☒ None	☐ Other_____	
Abnormal Vegetation	☒ Excessive	☐ Inhibited				
Pipe benthic growth	☐ Brown	☐ Orange	☐ Green	☒ None	☐ Other_____	

FIELD MEASUREMENTS (Taken in duplicate)	TEMP (degree C)	pH	CONDUCTIVITY (uS/cm)
	TEMP (degree C)	pH	CONDUCTIVITY (uS/cm)

GRAB COLLECTION TIME:	**Grab samples collected:** (Circle all that apply) **Ammonia, Bacteria, Boron, Chlorine, Color, Detergents, Fluoride, Hardness, Potassium, Surfactants**	
QA/QC SAMPLES:	☐ Field Duplicate	☐ Field Blank

FLOW ESTIMATION **Flow** Yes / No / Ponded **Evidence of overland flow near sampling location?** Yes / No

Marsh-McBirney used for flow measurements? Yes / No

Flowing Creek (Marsh-McBirney or leaf method)	Filling a Bottle	Flowing Pipe
1. Width (ft or in) _____	1. Volume (mL or L) _____	1. Pipe Diameter (ft or in) _____
2. Depth (ft or in) _____	2. Time to fill (sec) _____	2. Depth (ft or in) _____
3. Velocity (ft or in / sec) _____		3. Velocity (ft or in / sec) _____
Flow _____	Flow _____	Flow _____

PHOTOS TAKEN: ☒ YES ☐ NO	**COMMENTS:** OUTFALL SITE WAS DRY DURING THIS SITE VISIT.
INVESTIGATOR SIGNATURE X _____	NPDES PROJECT MANAGER



CITY OF RIO RANCHO
IDDE INSPECTION FIELD FORM

PROJECT/SURVEY NAME (i.e., Wet, Dry, Incident Tracking, Outfall Recon Inventory)	DATE	TIME	INVESTIGATOR(S)
DRY WEATHER SCREENING	5/5/2025	2:21 pm	XAVIER PETTES
OUTFALL ID	**SUBWATERSHED**	**LATITUDE** 15°17'22"N	**OBSERVER INFO. (Reported by Citizens)**
RIVERS EDGE #3	BARRANCAS	**LONGITUDE** 106°35'30"W	ANNUAL SCREENING
LAND USE IN DRAINAGE AREA (i.e., Commercial, Industrial, Residential)	**WEATHER**	**LAST RAIN (>72 hours or ~~< 72 hours~~)**	
RESIDENTIAL	60°F	0.13"-0.61" COLORADO	

Conveyance (Check one only)	☒ MS4 Outfall	☐ Other MS4 Structure	☐ Concrete Channel	☐ Earthen Channel	☐ Arroyo/Natural Creek	Comments:		
Material	☐ Concrete	☐ Earthen	☐ Rip-Rap	☒ RCP	☐ CMP	☐ PVC	☐ HDPE	☐ Steel ☐ Other_____
Shape	☒ Circular	☐ Eliptical	☐ Box	☐ Trapezoid	☐ Parabolic	☐ Other_____	☐ Single	☐ Double ☐ Triple ☐ Other_____
Dimensions	☒ Diameter/Dimensions: 60"		☐ Depth: _____	☐ Bottom Width: _____		☐ Top Width: _____		
Submerged	In Water: ☒ No	☐ Partially	☐ Fully		With Sediment: ☒ No	☐ Partially	☐ Fully	
Ownership	☐ SSCAFCA	☒ City	☐ Private	☐ Unknown	☐ Other_____			
Discharges to	☐ Pond/Depressional Feature	☐ Natural Conveyance	☐ Storm Drain Channel	☒ Open Space	☐ Rio Grande (WOTUS	☐ Other_____		
Flow Status	☐ Flowing	☒ Dry	☐ Ponded		**Flow Reaches Receiving Water?**	☐ Yes	☐ No	

WATER QUALITY APPEARANCE							
ODOR	☐ HYDROGEN SULFIDE	☐ MUSTY	☐ SEWAGE	☐ AMMONIA	☐ GASOLINE	☐ OTHER	
	☐ SOAP	☐ CHLORINE	☒ NONE	☐ EARTHY	☐ PESTICIDE		
COLOR	☐ YELLOW	☐ GREEN	☐ BLUE	☐ BROWN	☐ BLACK	☐ OTHER	
	☐ GRAY	☐ WHITE	☐ COLORLESS	☒ NONE			
FLOATING MATERIALS	☐ TRASH OR DEBRIS	☐ OILY SHEEN	☐ ORGANIC	☐ SCUM	☐ SUDS	☐ OTHER	
	☐ OBJECTS (DESCRIBE)	☐ FECAL MATTER	☐ BIOFILM	☒ NONE			
OIL AND GREASE	☒ NONE	☐ DEPOSIT	☐ EMULSION	☐ SHEEN	☐ HEAVY FLOATING CONCENTRATION		
TURBIDITY	☐ HEAVY CLOUDINESS, OPAQUE		☐ CLOUDY	☐ SOME CLOUDINESS	☒ NONE		

POTENTIAL SOURCES OF FLOW OBSERVED NEAR SITE	☐ Pool/Spa Discharge	☐ Illicit Connection	☐ Restaurant Washing write restaurant name in comments	☐ Illegal Dumping	☐ Sewage	☐ Groundwater
	☐ Irrigation Runoff	☐ Vehicle Washing	☐ Water Line Break	☐ Permitted Discharge	☐ Power Washing	☐ Other
	DESCRIBE ALL SOURCES: N/A					

OTHER VISUAL OBSERVATIONS

Outfall Damage	☐ Cracking or Chipping	☐ Corrosion	☐ Peeling Paint	☐ Undermined Structure	☐ None	☐ Other_____
Deposits/Stains	☐ Flow Line	☐ Oily	☐ Paint	☐ None	☐ Other_____	
Abnormal Vegetation	☐ Excessive	☐ Inhibited				
Pipe benthic growth	☐ Brown	☐ Orange	☐ Green	☐ None	☐ Other_____	

FIELD MEASUREMENTS (Taken in duplicate)	TEMP (degree C)	pH	CONDUCTIVITY (uS/cm)
	TEMP (degree C)	pH	CONDUCTIVITY (uS/cm)

GRAB COLLECTION TIME:

Grab samples collected: (Circle all that apply)
Ammonia, Bacteria, Boron, Chlorine, Color, Detergents, Fluoride, Hardness, Potassium, Surfactants

QA/QC SAMPLES: ☐ Field Duplicate ☐ Field Blank

FLOW ESTIMATION

Flow Yes / No Ponded

Evidence of overland flow near sampling location? Yes / No

Marsh-McBirney used for flow measurements? Yes / No

Flowing Creek (Marsh-McBirney or leaf method)

1. Width (ft or in) _____
2. Depth (ft or in) _____
3. Velocity (ft or in / sec) _____

Flow _____

Filling a Bottle

1. Volume (mL or L) _____
2. Time to fill (sec) _____

Flow _____

Flowing Pipe

1. Pipe Diameter (ft or in) _____
2. Depth (ft or in) _____
3. Velocity (ft or in / sec) _____

Flow _____

PHOTOS TAKEN: ☐ YES ☒ NO

COMMENTS: OUTFALL WAS DRY DURING THIS FIELD VISIT.

INVESTIGATOR SIGNATURE _____ NPDES PROJECT MANAGER

CITY OF RIO RANCHO
IDDE INSPECTION FIELD FORM

PROJECT/SURVEY NAME (i.e., Wet, Dry, Incident Tracking, Outfall Recon Inventory)	DATE	TIME	INVESTIGATOR(S)
DRY WEATHER SCREENING	5/5/2025	2:30 pm	XAVIER PETTUS
OUTFALL ID	**SUBWATERSHED**	**LATITUDE** 15° 17' 21" N	**OBSERVER INFO. (Reported by Citizens)**
RIVERS EDGE #4	BARRANCAS	**LONGITUDE** 106° 35' 35" W	ANNUAL SCREENING
LAND USE IN DRAINAGE AREA (i.e., Commercial, Industrial, Residential)	**WEATHER**	**LAST RAIN (>72 hours or < 72 hours)**	
RESIDENTIAL	60°F	0.13"-0.61" COCORAHS	

Conveyance (Check one only)	☒ MS4 Outfall	☐ Other MS4 Structure	☐ Concrete Channel	☐ Earthen Channel	☐ Arroyo/Natural Creek	Comments:		
Material	☐ Concrete	☐ Earthen	☐ Rip-Rap	☒ RCP	☐ CMP	☐ PVC	☐ HDPE	☐ Steel ☐ Other_____
Shape	☒ Circular	☐ Eliptical	☐ Box	☐ Trapezoid	☐ Parabolic	☐ Other_____	☐ Single	☐ Double ☐ Triple ☐ Other_____
Dimensions	☒ Diameter/Dimensions: 30"		☐ Depth: _____	☐ Bottom Width: _____		☐ Top Width: _____		
Submerged	In Water: ☒ No	☐ Partially	☐ Fully		With Sediment: ☒ No	☐ Partially	☐ Fully	
Ownership	☐ SSCAFCA	☒ City	☐ Private	☐ Unknown	☐ Other_____			
Discharges to	☐ Pond/Depressional Feature	☐ Natural Conveyance	☐ Storm Drain Channel	☒ Open Space	☐ Rio Grande (WOTUS	☐ Other_____		
Flow Status	☐ Flowing	☐ Dry	☒ Ponded		**Flow Reaches Receiving Water?**	☐ Yes	☒ No	

WATER QUALITY APPEARANCE							
ODOR	☐ HYDROGEN SULFIDE	☐ MUSTY	☐ SEWAGE	☐ AMMONIA	☐ GASOLINE	☐ OTHER	
	☐ SOAP	☐ CHLORINE	☒ NONE	☐ EARTHY	☐ PESTICIDE		
COLOR	☐ YELLOW	☐ GREEN	☐ BLUE	☐ BROWN	☐ BLACK	☐ OTHER	
	☐ GRAY	☐ WHITE	☐ COLORLESS	☒ NONE			
FLOATING MATERIALS	☐ TRASH OR DEBRIS	☐ OILY SHEEN	☐ ORGANIC	☐ SCUM	☐ SUDS	☐ OTHER	
	☐ OBJECTS (DESCRIBE)	☐ FECAL MATTER	☐ BIOFILM	☒ NONE			
OIL AND GREASE	☒ NONE	☐ DEPOSIT	☐ EMULSION	☐ SHEEN	☐ HEAVY FLOATING CONCENTRATION		
TURBIDITY	☐ HEAVY CLOUDINESS, OPAQUE		☐ CLOUDY	☐ SOME CLOUDINESS	☒ NONE		

POTENTIAL SOURCES OF FLOW OBSERVED NEAR SITE	☐ Pool/Spa Discharge	☐ Illicit Connection	☐ Restaurant Washing write restaurant name in comments	☐ Illegal Dumping	☐ Sewage	☐ Groundwater
	☐ Irrigation Runoff	☐ Vehicle Washing	☐ Water Line Break	☒ Permitted Discharge	☐ Power Washing	☐ Other
	DESCRIBE ALL SOURCES:					

OTHER VISUAL OBSERVATIONS

Outfall Damage	☐ Cracking or Chipping	☐ Corrosion	☐ Peeling Paint	☐ Undermined Structure	☒ None	☐ Other_____
Deposits/Stains	☐ Flow Line	☐ Oily	☐ Paint	☒ None	☐ Other_____	
Abnormal Vegetation	☒ Excessive	☐ Inhibited				
Pipe benthic growth	☐ Brown	☐ Orange	☐ Green	☒ None	☐ Other_____	

FIELD MEASUREMENTS (Taken in duplicate)	TEMP (degree C)	pH	CONDUCTIVITY (uS/cm)
	TEMP (degree C)	pH	CONDUCTIVITY (uS/cm)

GRAB COLLECTION TIME: **Grab samples collected:** (Circle all that apply)
Ammonia, Bacteria, Boron, Chlorine, Color, Detergents, Fluoride, Hardness, Potassium, Surfactants

QA/QC SAMPLES: ☐ Field Duplicate ☐ Field Blank

FLOW ESTIMATION **Flow** Yes / No (Ponded) **Evidence of overland flow near sampling location?** (Yes) No

Marsh-McBirney used for flow measurements? Yes / No

Flowing Creek (Marsh-McBirney or leaf method)	Filling a Bottle	Flowing Pipe
1. Width (ft or in) _____	1. Volume (mL or L) _____	1. Pipe Diameter (ft or in) _____
2. Depth (ft or in) _____	2. Time to fill (sec) _____	2. Depth (ft or in) _____
3. Velocity (ft or in / sec) _____		3. Velocity (ft or in / sec) _____
Flow _____	Flow _____	Flow _____

PHOTOS TAKEN: ☒ YES ☐ NO

COMMENTS: PONDING WAS OBSERVED DURING THIS FIELD

INVESTIGATOR SIGNATURE _____ NPDES PROJECT MANAGER VISIT.







CITY OF RIO RANCHO
IDDE INSPECTION FIELD FORM

PROJECT/SURVEY NAME (i.e., Wet, Dry, Incident Tracking, Outfall Recon Inventory)	DATE	TIME	INVESTIGATOR(S)
DRY WEATHER SCREENING	5/5/2025	2:39 pm	XAVIER PETTES
OUTFALL ID	**SUBWATERSHED**	**LATITUDE** 35° 17' 13" N	**OBSERVER INFO. (Reported by Citizens)**
RIVERS EDGE # 5	BARRANCA	**LONGITUDE** 106° 35' 42" W	ANNUAL SCREENING
LAND USE IN DRAINAGE AREA (i.e., Commercial, Industrial, Residential)	**WEATHER**	**LAST RAIN (>72 hours or < 72 hours)**	
RESIDENTIAL	60 °F	0.13" - 0.61" COCoRaHS	

Conveyance (Check one only)	☒ MS4 Outfall	☐ Other MS4 Structure	☐ Concrete Channel	☐ Earthen Channel	☐ Arroyo/Natural Creek	Comments:		
Material	☐ Concrete	☐ Earthen	☐ Rip-Rap	☒ RCP	☐ CMP	☐ PVC	☐ HDPE	☐ Steel ☐ Other_____
Shape	☒ Circular	☐ Eliptical	☐ Box	☐ Trapezoid	☐ Parabolic	☐ Other_____	☐ Single	☐ Double ☐ Triple ☐ Other_____
Dimensions	☒ Diameter/Dimensions: 48"		☐ Depth: _____	☐ Bottom Width: _____		☐ Top Width: _____		
Submerged	In Water: ☒ No	☐ Partially	☐ Fully		With Sediment:	☐ No	☐ Partially	☐ Fully
Ownership	☐ SSCAFCA	☒ City	☐ Private	☐ Unknown	☐ Other_____			
Discharges to	☐ Pond/Depressional Feature	☐ Natural Conveyance	☐ Storm Drain Channel	☒ Open Space	☐ Rio Grande (WOTUS	☐ Other_____		
Flow Status	☐ Flowing	☐ Dry	☒ Ponded		**Flow Reaches Receiving Water?**	☐ Yes	☒ No	

WATER QUALITY APPEARANCE							
ODOR	☐ HYDROGEN SULFIDE	☐ MUSTY	☐ SEWAGE	☐ AMMONIA	☐ GASOLINE	☐ OTHER	
	☐ SOAP	☐ CHLORINE	☒ NONE	☐ EARTHY	☐ PESTICIDE		
COLOR	☐ YELLOW	☐ GREEN	☐ BLUE	☐ BROWN	☐ BLACK	☐ OTHER	
	☐ GRAY	☐ WHITE	☐ COLORLESS	☒ NONE			
FLOATING MATERIALS	☐ TRASH OR DEBRIS	☐ OILY SHEEN	☐ ORGANIC	☐ SCUM	☐ SUDS	☐ OTHER	
	☐ OBJECTS (DESCRIBE)	☐ FECAL MATTER	☐ BIOFILM	☒ NONE			
OIL AND GREASE	☒ NONE	☐ DEPOSIT	☐ EMULSION	☐ SHEEN	☐ HEAVY FLOATING CONCENTRATION		
TURBIDITY	☐ HEAVY CLOUDINESS, OPAQUE		☐ CLOUDY	☐ SOME CLOUDINESS	☒ NONE		

POTENTIAL SOURCES OF FLOW OBSERVED NEAR SITE	☐ Pool/Spa Discharge	☐ Illicit Connection	☐ Restaurant Washing write restaurant name in comments	☐ Illegal Dumping	☐ Sewage	☐ Groundwater
	☐ Irrigation Runoff	☐ Vehicle Washing	☐ Water Line Break	☒ Permitted Discharge	☐ Power Washing	☐ Other
	DESCRIBE ALL SOURCES:					

OTHER VISUAL OBSERVATIONS

Outfall Damage	☐ Cracking or Chipping	☐ Corrosion	☐ Peeling Paint	☐ Undermined Structure	☒ None	☐ Other_____
Deposits/Stains	☐ Flow Line	☐ Oily	☐ Paint	☒ None	☐ Other_____	
Abnormal Vegetation	☒ Excessive	☐ Inhibited				
Pipe benthic growth	☐ Brown	☐ Orange	☐ Green	☒ None	☐ Other_____	

FIELD MEASUREMENTS (Taken in duplicate)	TEMP (degree C)	pH	CONDUCTIVITY (uS/cm)
	TEMP (degree C)	pH	CONDUCTIVITY (uS/cm)

GRAB COLLECTION TIME:

Grab samples collected: (Circle all that apply)
Ammonia, Bacteria, Boron, Chlorine, Color, Detergents, Fluoride, Hardness, Potassium, Surfactants

QA/QC SAMPLES: ☐ Field Duplicate ☐ Field Blank

FLOW ESTIMATION

Flow Yes / No (Ponded)

Evidence of overland flow near sampling location? (Yes) / No

Marsh-McBirney used for flow measurements? Yes / No

Flowing Creek (Marsh-McBirney or leaf method)

1. Width (ft or in) _____
2. Depth (ft or in) _____
3. Velocity (ft or in / sec) _____

Flow _____

Filling a Bottle

1. Volume (mL or L) _____
2. Time to fill (sec) _____

Flow _____

Flowing Pipe

1. Pipe Diameter (ft or in) _____
2. Depth (ft or in) _____
3. Velocity (ft or in / sec) _____

Flow _____

PHOTOS TAKEN: ☒ YES ☐ NO

COMMENTS: PONDING WAS OBSERVED DURING THIS FIELD VISIT.

INVESTIGATOR SIGNATURE _____ NPDES PROJECT MANAGER



CITY OF RIO RANCHO
IDDE INSPECTION FIELD FORM

PROJECT/SURVEY NAME (i.e., Wet, Dry, Incident Tracking, Outfall Recon Inventory)	DATE	TIME	INVESTIGATOR(S)
DRY WEATHER SCREENING	5/5/2025	2:42 pm	XAVIER PETTES
OUTFALL ID	**SUBWATERSHED**	**LATITUDE** 15° 17' 06" N	**OBSERVER INFO. (Reported by Citizens)**
RIVERS EDGE #6	BARRANCA	**LONGITUDE** 106° 35' 48" W	ANNUAL SCREENING
LAND USE IN DRAINAGE AREA (i.e., Commercial, Industrial, Residential)	**WEATHER**	**LAST RAIN (>72 hours or < 72 hours)**	
RESIDENTIAL	60 °F	0.13"-0.61" COCORAHS	

Conveyance (Check one only)	☒ MS4 Outfall	☐ Other MS4 Structure	☐ Concrete Channel	☐ Earthen Channel	☐ Arroyo/Natural Creek	Comments:		
Material	☐ Concrete	☐ Earthen	☐ Rip-Rap	☒ RCP	☐ CMP	☐ PVC	☐ HDPE	☐ Steel ☐ Other_____
Shape	☒ Circular	☐ Eliptical	☐ Box	☐ Trapezoid	☐ Parabolic	☐ Other_____	☐ Single	☐ Double ☐ Triple ☐ Other_____
Dimensions	☒ Diameter/Dimensions: 48			☐ Depth: _____	☐ Bottom Width: _____		☐ Top Width: _____	
Submerged	In Water:	☒ No	☐ Partially	☐ Fully		With Sediment:	☐ No	☐ Partially ☐ Fully
Ownership	☐ SSCAFCA	☒ City	☐ Private	☐ Unknown	☐ Other_____			
Discharges to	☐ Pond/Depressional Feature	☐ Natural Conveyance	☐ Storm Drain Channel	☒ Open Space	☐ Rio Grande (WOTUS	☐ Other_____		
Flow Status	☐ Flowing	☐ Dry	☒ Ponded		**Flow Reaches Receiving Water?**	☐ Yes	☒ No	

WATER QUALITY APPEARANCE							
ODOR	☐ HYDROGEN SULFIDE	☐ MUSTY	☐ SEWAGE	☐ AMMONIA	☐ GASOLINE	☐ OTHER	
	☐ SOAP	☐ CHLORINE	☒ NONE	☐ EARTHY	☐ PESTICIDE		
COLOR	☐ YELLOW	☐ GREEN	☐ BLUE	☐ BROWN	☐ BLACK	☐ OTHER	
	☐ GRAY	☐ WHITE	☐ COLORLESS	☒ NONE			
FLOATING MATERIALS	☐ TRASH OR DEBRIS	☐ OILY SHEEN	☐ ORGANIC	☐ SCUM	☐ SUDS	☐ OTHER	
	☐ OBJECTS (DESCRIBE)	☐ FECAL MATTER	☐ BIOFILM	☒ NONE			
OIL AND GREASE	☒ NONE	☐ DEPOSIT	☐ EMULSION	☐ SHEEN	☐ HEAVY FLOATING CONCENTRATION		
TURBIDITY	☐ HEAVY CLOUDINESS, OPAQUE		☒ CLOUDY	☐ SOME CLOUDINESS	☐ NONE		

POTENTIAL SOURCES OF FLOW OBSERVED NEAR SITE	☐ Pool/Spa Discharge	☐ Illicit Connection	☐ Restaurant Washing write restaurant name in comments	☐ Illegal Dumping	☐ Sewage	☐ Groundwater
	☐ Irrigation Runoff	☐ Vehicle Washing	☐ Water Line Break	☒ Permitted Discharge	☐ Power Washing	☐ Other
	DESCRIBE ALL SOURCES:					

OTHER VISUAL OBSERVATIONS						
Outfall Damage	☒ Cracking or Chipping	☐ Corrosion	☐ Peeling Paint	☒ Undermined Structure	☐ None	☐ Other_____
Deposits/Stains	☐ Flow Line	☐ Oily	☐ Paint	☒ None	☐ Other_____	
Abnormal Vegetation	☐ Excessive	☐ Inhibited				
Pipe benthic growth	☐ Brown	☐ Orange	☐ Green	☒ None	☐ Other_____	

FIELD MEASUREMENTS (Taken in duplicate)	TEMP (degree C)	pH	CONDUCTIVITY (uS/cm)
	TEMP (degree C)	pH	CONDUCTIVITY (uS/cm)

GRAB COLLECTION TIME:	**Grab samples collected:** (Circle all that apply) **Ammonia, Bacteria, Boron, Chlorine, Color, Detergents, Fluoride, Hardness, Potassium, Surfactants**
QA/QC SAMPLES:	☐ Field Duplicate ☐ Field Blank

FLOW ESTIMATION — **Flow** Yes / No / Ponded — **Evidence of overland flow near sampling location?** Yes / No

Marsh-McBirney used for flow measurements? Yes / No

Flowing Creek (Marsh-McBirney or leaf method)	**Filling a Bottle**	**Flowing Pipe**
1. Width (ft or in) _____	1. Volume (mL or L) _____	1. Pipe Diameter (ft or in) _____
2. Depth (ft or in) _____	2. Time to fill (sec) _____	2. Depth (ft or in) _____
3. Velocity (ft or in / sec) _____		3. Velocity (ft or in / sec) _____
Flow _____	Flow _____	Flow _____

PHOTOS TAKEN: ☒ YES ☐ NO	**COMMENTS:** PONDING WAS OBSERVED DURING THIS SITE VISIT.
INVESTIGATOR SIGNATURE _____	NPDES PROJECT MANAGER







CITY OF RIO RANCHO
IDDE INSPECTION FIELD FORM

PROJECT/SURVEY NAME (i.e., Wet, Dry, Incident Tracking, Outfall Recon Inventory)	DATE	TIME	INVESTIGATOR(S)
DRY WEATHER SCREENING	5/5/2025	2:50 pm	XAVIER PEREZ
OUTFALL ID	**SUBWATERSHED**	**LATITUDE** 15° 17' 54" N	**OBSERVER INFO. (Reported by Citizens)**
RIVERS EDGE #7	BARRANCA	**LONGITUDE** 106° 35' 50" W	ANNUAL SCREENING
LAND USE IN DRAINAGE AREA (i.e., Commercial, Industrial, Residential)	**WEATHER**	**LAST RAIN (>72 hours or < 72 hours)**	
RESIDENTIAL	60. F	0.13"-0.61" CoCoRaHS	

Conveyance (Check one only)	☒ MS4 Outfall	☐ Other MS4 Structure	☐ Concrete Channel	☐ Earthen Channel	☐ Arroyo/Natural Creek	Comments:			
Material	☐ Concrete	☒ Earthen	☒ Rip-Rap	☐ RCP	☐ CMP	☐ PVC	☐ HDPE	☐ Steel	☐ Other_____
Shape	☐ Circular	☐ Eliptical	☐ Box	☒ Trapezoid	☐ Parabolic	☐ Other_____	☐ Single	☐ Double	☐ Triple ☐ Other_____
Dimensions	☐ Diameter/Dimensions: _____		☐ Depth: _____	☐ Bottom Width: _____		☐ Top Width: _____			
Submerged	In Water: ☒ No	☐ Partially	☐ Fully		With Sediment:	☐ No	☐ Partially	☐ Fully	
Ownership	☐ SSCAFCA	☒ City	☐ Private	☐ Unknown	☐ Other_____				
Discharges to	☐ Pond/Depressional Feature	☐ Natural Conveyance	☐ Storm Drain Channel	☒ Open Space	☐ Rio Grande (WOTUS	☐ Other_____			
Flow Status	☐ Flowing	☒ Dry	☐ Ponded		**Flow Reaches Receiving Water?**	☐ Yes	☐ No		

WATER QUALITY APPEARANCE							
ODOR	☐ HYDROGEN SULFIDE	☐ MUSTY	☐ SEWAGE	☐ AMMONIA	☐ GASOLINE	☐ OTHER	
	☐ SOAP	☐ CHLORINE	☒ NONE	☐ EARTHY	☐ PESTICIDE		
COLOR	☐ YELLOW	☐ GREEN	☐ BLUE	☐ BROWN	☐ BLACK	☐ OTHER	
	☐ GRAY	☐ WHITE	☐ COLORLESS	☒ NONE			
FLOATING MATERIALS	☐ TRASH OR DEBRIS	☐ OILY SHEEN	☐ ORGANIC	☐ SCUM	☐ SUDS	☐ OTHER	
	☐ OBJECTS (DESCRIBE)	☐ FECAL MATTER	☐ BIOFILM	☒ NONE			
OIL AND GREASE	☒ NONE	☐ DEPOSIT	☐ EMULSION	☐ SHEEN	☐ HEAVY FLOATING CONCENTRATION		
TURBIDITY	☐ HEAVY CLOUDINESS, OPAQUE		☐ CLOUDY	☐ SOME CLOUDINESS	☒ NONE		

POTENTIAL SOURCES OF FLOW OBSERVED NEAR SITE	☐ Pool/Spa Discharge	☐ Illicit Connection	☐ Restaurant Washing write restaurant name in comments	☐ Illegal Dumping	☐ Sewage	☐ Groundwater
	☐ Irrigation Runoff	☐ Vehicle Washing	☐ Water Line Break	☐ Permitted Discharge	☐ Power Washing	☐ Other
	DESCRIBE ALL SOURCES: N/A					

OTHER VISUAL OBSERVATIONS						
Outfall Damage	☐ Cracking or Chipping	☐ Corrosion	☐ Peeling Paint	☐ Undermined Structure	☒ None	☐ Other_____
Deposits/Stains	☐ Flow Line	☐ Oily	☐ Paint	☒ None	☐ Other_____	
Abnormal Vegetation	☐ Excessive	☐ Inhibited				
Pipe benthic growth	☐ Brown	☐ Orange	☐ Green	☒ None	☐ Other_____	

FIELD MEASUREMENTS (Taken in duplicate)	TEMP (degree C)	pH	CONDUCTIVITY (uS/cm)
	TEMP (degree C)	pH	CONDUCTIVITY (uS/cm)

GRAB COLLECTION TIME:	**Grab samples collected:** (Circle all that apply) **Ammonia, Bacteria, Boron, Chlorine, Color, Detergents, Fluoride, Hardness, Potassium, Surfactants**
QA/QC SAMPLES: ☐ Field Duplicate	☐ Field Blank

FLOW ESTIMATION **Flow** Yes / No / Ponded **Evidence of overland flow near sampling location?** Yes / No

Marsh-McBirney used for flow measurements? Yes / No

Flowing Creek (Marsh-McBirney or leaf method)	**Filling a Bottle**	**Flowing Pipe**
1. Width (ft or in) _____	1. Volume (mL or L) _____	1. Pipe Diameter (ft or in) _____
2. Depth (ft or in) _____	2. Time to fill (sec) _____	2. Depth (ft or in) _____
3. Velocity (ft or in / sec) _____		3. Velocity (ft or in / sec) _____
Flow _____	Flow _____	Flow _____

PHOTOS TAKEN: ☒ YES ☐ NO	**COMMENTS:** OUTFALL WAS DRY DURING THIS FIELD VISIT.
INVESTIGATOR SIGNATURE _____	NDPES PROJECT MANAGER





City of Rio Rancho
Public Works Department/Streets & ROW

Drainage Facility Inspection and Maintenance Program Report

Reporting Period: July 1, 2024 to June 30, 2025

Program Overview

The City of Rio Rancho Public Works Department/Streets & ROW Division operates a comprehensive drainage facility inspection and maintenance program responsible for managing approximately 129 drainage facilities dedicated to the city. These critical infrastructure assets serve a vital function by minimizing flooding and protecting water quality, removing trash, sediment, debris, and other solids from stormwater runoff throughout the community.

Program Structure and Operations

Inspection Protocol

The Streets & ROW Division conducts systematic inspections of all drainage facilities on an annual basis, with primary inspections occurring in October and additional inspections following any significant rainfall events. These inspections provide comprehensive assessments of current facility conditions, evaluating trash and weed accumulation, sediment buildup levels, and determining specific maintenance requirements for each location.

Maintenance Schedule

The program follows a strategic seasonal maintenance approach, with cleanup and maintenance activities concentrated during the winter months of December, January, and February. This timing is specifically chosen to optimize operational efficiency, taking advantage of dormant vegetation periods, reduced landscape impact, and firmer ground conditions that facilitate equipment access on otherwise challenging terrain.

Data Management

All inspection data, including accumulation records, last inspection dates, following scheduled inspection dates, and service history, are maintained through an integrated Geographic Information System (GIS) platform, ensuring comprehensive tracking and accountability for each facility.

Current Status During Reporting Period

As of the July 1, 2024, to June 30, 2025 reporting period, the program is operating in its post-winter maintenance phase. The most recent comprehensive maintenance cycle was completed during the winter months of 2024-2025, with facilities showing various conditions based on their scheduled cleanup completion dates.

Facility Condition Assessment

Review of the maintenance schedule reveals a systematic approach to addressing facility needs based on condition assessments. Facilities are categorized into condition levels ranging from "Good" to "Poor," with maintenance priorities established accordingly:

- Good Condition Facilities: Typically require minimal intervention, with trace amounts of trash, few juvenile trees, and 0-6 inch sediment depths
- Fair Condition Facilities: Show moderate maintenance needs, often including mature tree growth, slope erosion issues, and 6-12 inch sediment accumulation
- Poor Condition Facilities: Require comprehensive intervention, characterized by excessive trash accumulation (more than three cubic yards), mature tree overgrowth, and significant sediment buildup

Geographic Distribution

The facilities under management span multiple districts within Rio Rancho, with representation in Council Districts 1 through 6, ensuring comprehensive stormwater management coverage throughout the city's various neighborhoods and commercial areas.

Equipment and Resource Management

The program operates on a flexible equipment rental model, securing necessary machinery as needed during cleanup and maintenance seasons. This approach enables cost-effective resource allocation while ensuring the availability of appropriate equipment for the diverse maintenance tasks required across the 129 facilities.

Compliance and Environmental Protection

The program maintains strong compliance protocols, with photographic documentation of facility conditions and systematic tracking of resolution activities. This comprehensive approach ensures that drainage facilities continue to function as designed, protecting both public safety through flood mitigation and environmental quality through effective stormwater treatment.

Looking Forward

As the program transitions from the recent winter maintenance cycle into the upcoming inspection season, preparations are underway for the October 2025 annual inspection cycle. This systematic approach ensures continuous monitoring and proactive maintenance of Rio Rancho's critical stormwater infrastructure, maintaining the community's resilience against flooding while protecting local water quality.

The program's structured methodology, combining regular inspections, strategic seasonal maintenance, and comprehensive data management, demonstrates the City of Rio Rancho's commitment to maintaining essential public infrastructure for the safety and well-being of its residents.

Drainage Facility Clean-up Schedule

Cleanup takes place during December, January, and February every year.
Schedule is based on a 5 day work week (Monday thru Friday), schedule also accounts for City Observed Holidays.

ID	District	Name	Location	Current Condition	Date of Last Inspection	Photos	Compliance Resolution	Est. Start	Est. Completion	Actual Start	Actual Completion	Additional Comments
82	3	CCCEH, Blk E, PAR D Shop	3791 NM Highway 528 NE	Poor; More than 3cu yards of trash; excessive mature trees; 6-12in depth of sediment buildup; partially submerged with sediment.	6/14/2022	Y	Remove Trees, trash and debris	12/16/2024	12/31/2024	12/16/2024	1/17/2025	
663	6	OH, Blk3, PAR E Pond	2933 Kiva View NE	Good; Less than 1 large garbage bag of trash; a few juvenile trees; 0-6in depth of sediment buildup.	6/22/2022	Y	Remove Trees, trash and debris	1/2/2025	1/6/2025	12/20/2024	12/20/2024	
662	6	OH, Blk 3, PAR D Pond	601 Tiwa Ln NE	Good; Less than 1 large garbage bag of trash; a few juvenile trees; 0-6in depth of sediment buildup.	6/22/2022	Y	Remove Trees, trash and debris	1/6/2025	1/7/2025	12/20/2024	12/20/2024	
84	3	CCCEH, Blk E, PAR A Walgreen	3791 NM Highway 528 NE	Poor; More than 3cu of trash; excessive trees; approx. 0-6in depth of sediment buildup.	6/14/2022	Y	Remove Trees, trash and debris	12/29/2023	1/12/2024	12/27/2024	1/5/2025	
627	6	U17, Blk 132, Lot 6 Pond	1401 Monterrey Rd NE	Fair; Trace amounts of trash; Mature trees; slope erosion; 0-6in depth of sediment buildup.	6/27/2022	Y	Remove Trees, trash and debris, backfill.	1/13/2025	1/27/2025	1/17/2025	2/7/2025	
670	2	SN, PAR D Ponding	1618 Costilla Rd NE	Fair; Less than 1 garbage large bag of trash; excessive brushes; 6-12in depth of sediment buildup; partially submerged with sediment.	6/22/2022	Y	Remove bushes, trash and litter	1/27/2025	1/28/2025	1/22/2025	2/10/2025	
636	6	Loma Colorado Library Pond	745 Loma Colorado Blvd NE	Good; Trace amounts of trash; approx. 6 mature trees; 0-6in depth of sediment buildup; partially submerged with sediment.	6/21/2022	Y	Remove Trees, trash and debris	1/28/2025	1/30/2025	1/29/2025	2/4/2025	
57	2	NMED,PAR A2 at King Pond	3557 Camino De Los Montoyas Rd NE	Less than 1 large garbage bag of trash; a few trees ;0-6in depth of sediment buildup; partially submerged with sediment.	6/13/2022	Y	Remove Trees, trash and debris	1/7/2025	1/13/2025	1/30/2025	2/4/2025	
32	6	VHW1, Blk 12, PAR D Pond	9999 Pumice Loop NE	Poor; Less than 1 large garbage bag of trash; a few trees in flow zone; 0-6in depth of sediment buildup; partially submerged with sediment.	6/9/2022	Y	Remove Trees, trash and debris	1/30/2025	2/5/2025	2/3/2025	2/14/2025	
34	4	CHR, Blk 1, PAR B Broadmoor	9999 Cascades Trl SE	Fair; Less than 1 large garbage bag of trash; a few trees at basin; 0-6in depth of sediment buildup; partially submerged with sediment.	6/9/2022	Y	Remove Trees, trash and debris	2/5/2025	2/18/2025	2/11/2025	2/18/2025	
1101	6	U13, Blk 117, Lot 24A1 Pond	808 Broadmoor Blvd NE	Fair; Trace amounts of trash; partially submerged in water.	6/24/2022	Y	Remove Trees, trash and debris	2/24/2025	2/28/2025	2/14/2025	2/19/2025	
169	2	MDS, Blk 3, PAR A Pond	1151 Mirador Loop NE	Fair; Trace amounts of trash; a few juvenile trees; 6-12in depth of sediment buildup; partially submerged with sediment.	6/21/2022	Y	Remove Trees, trash and debris	2/18/2025	2/20/2025	2/18/2025	2/20/2025	
675	1	TDS, Blk 2, PAR A Pond	823 Redwood St SW	Good; Trace amounts of trash; a few bushes; 0-6in depth of sediment buildup.	6/22/2022	Y	Remove Bushes, trash and debris	2/20/2025	2/21/2025	2/19/2025	2/19/2025	

City of Rio Rancho
Parks, Recreation and Community Services Department

Keep Rio Rancho Beautiful Program Report

Reporting Period: July 1, 2024 to June 30, 2025

Program Overview

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 Scouting America 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 KRRB 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**

Bohannan Huston
great people supporting great communities

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

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.

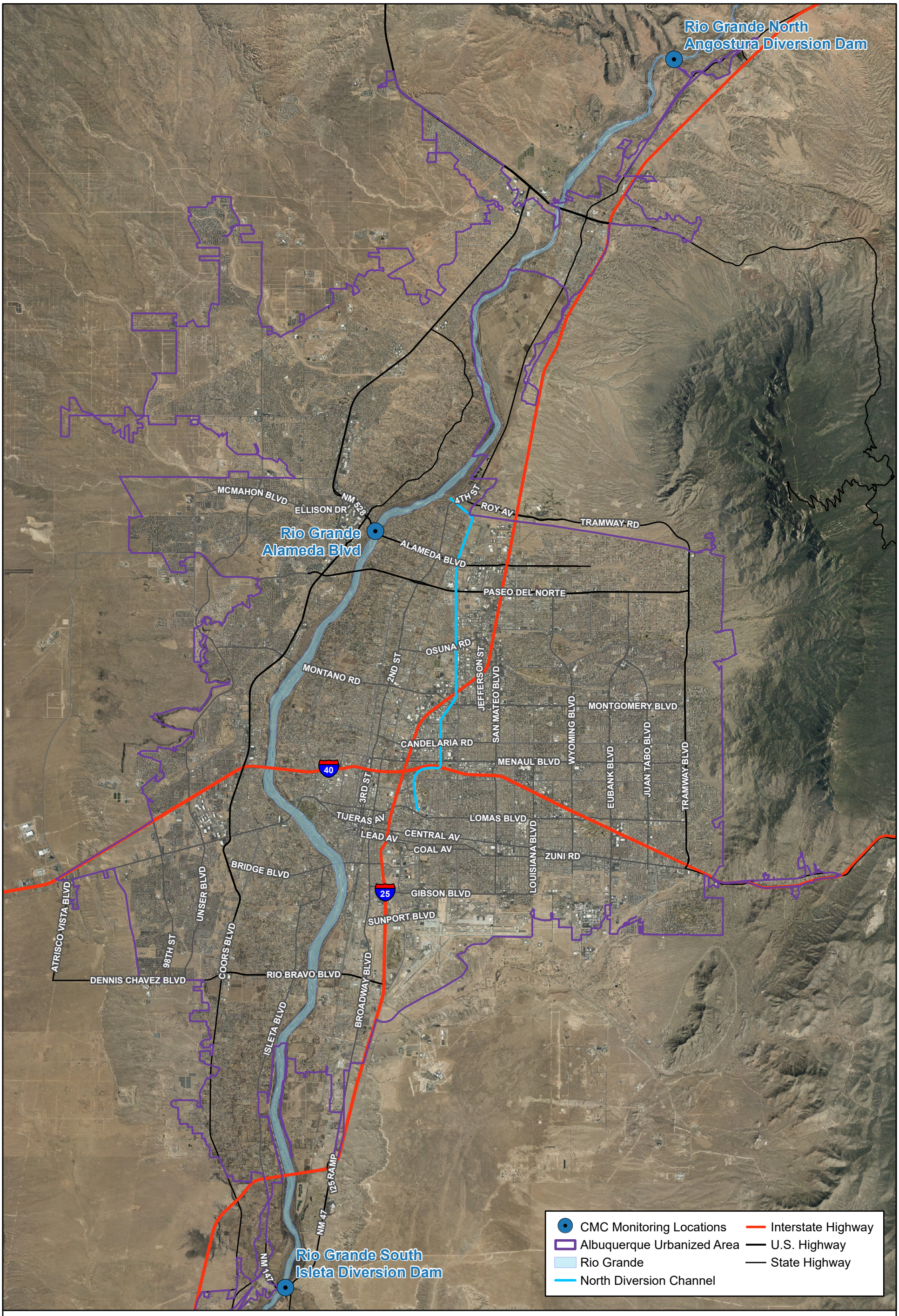
Table 1: Parameters Detected Above Applicable Water Quality Standards
CMC FY 2025 Dry Season Monitoring

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

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www.bhinc.com
800.877.5332

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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

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.

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

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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.

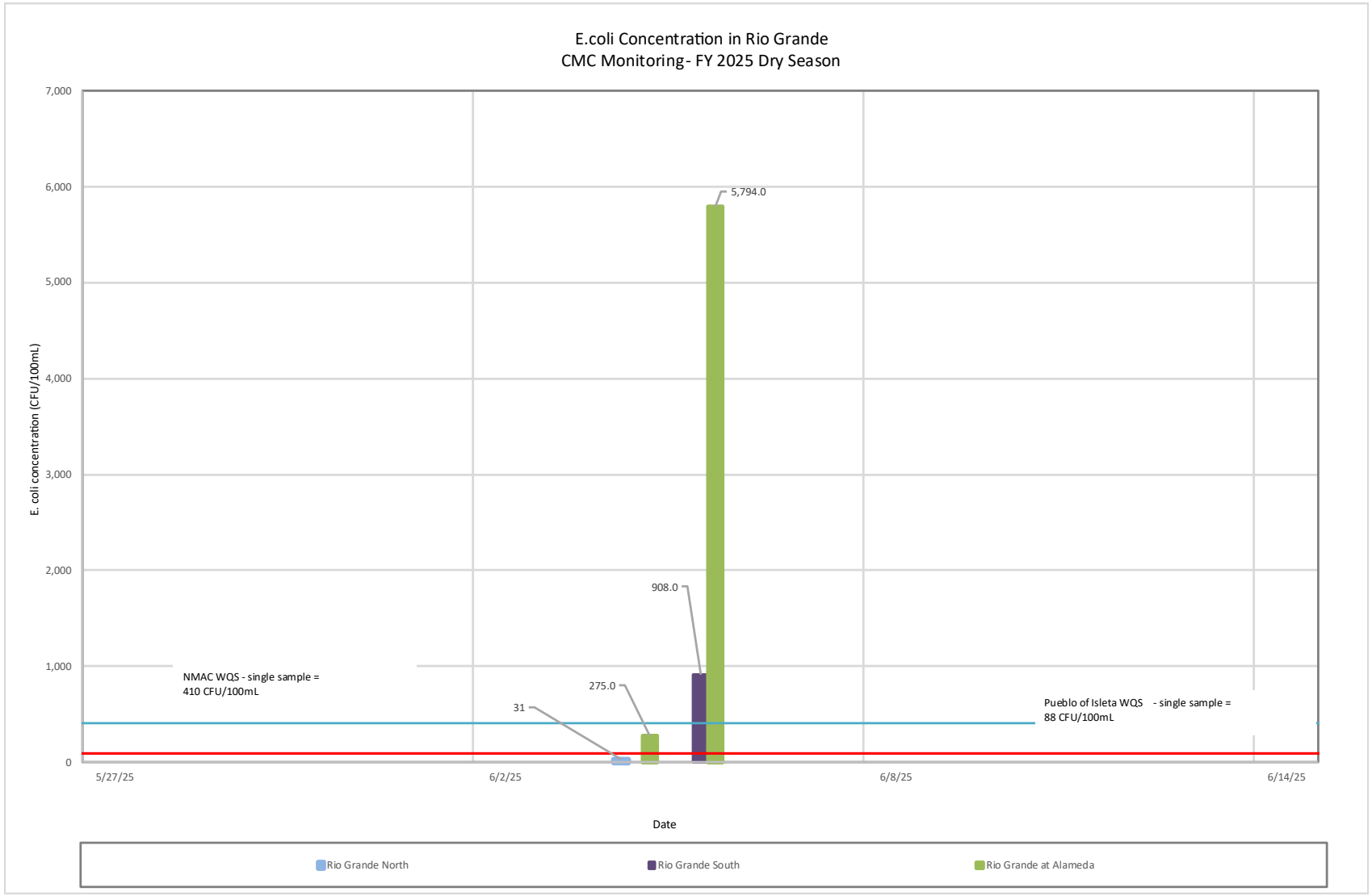


Figure 3: E. coli Monitoring Results in Rio Grande
CMC Monitoring – FY 2025 Dry Season

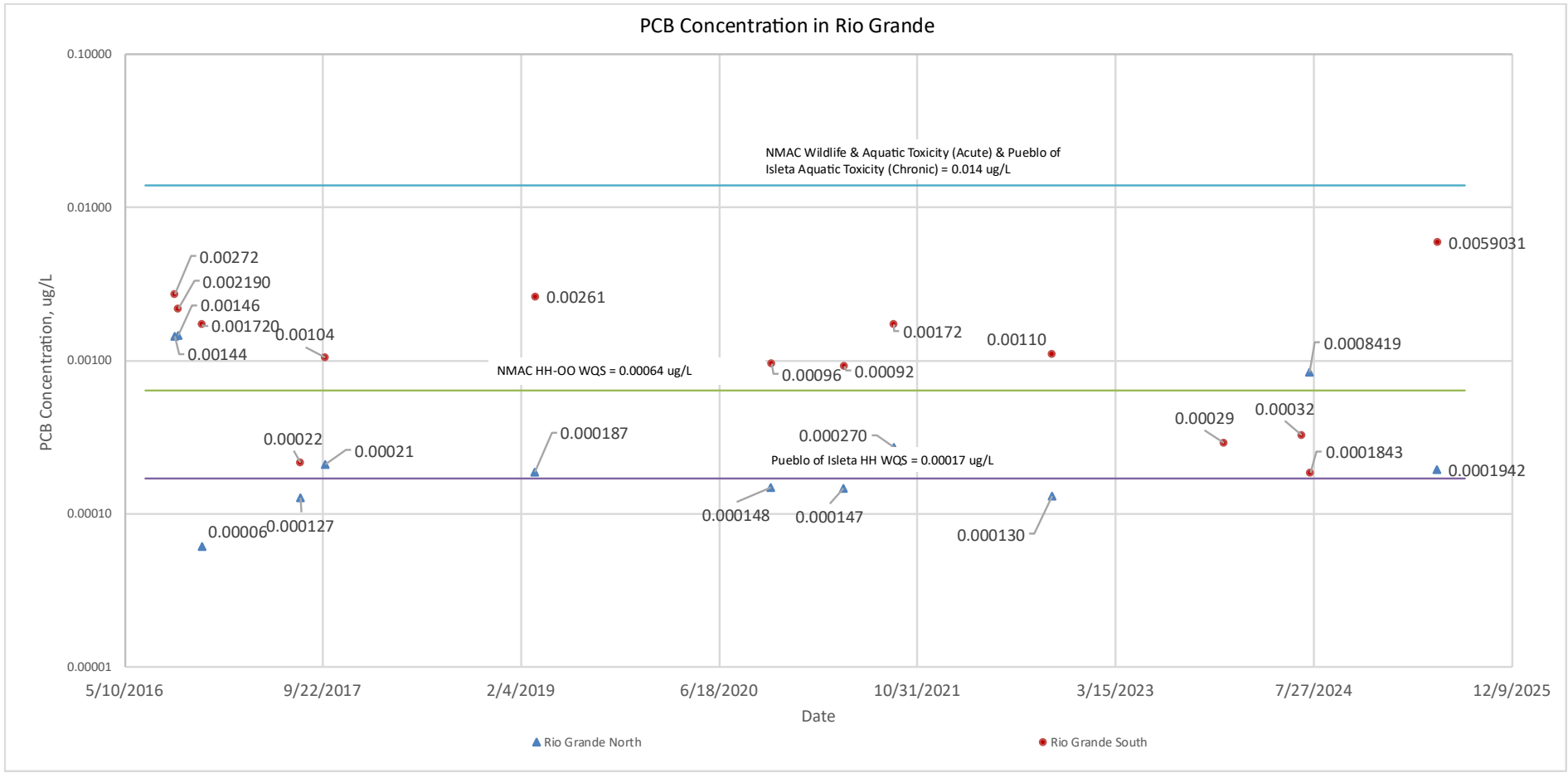


Figure 4: PCB Monitoring Results in Rio Grande
CMC Monitoring – 2016 - 2025

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.

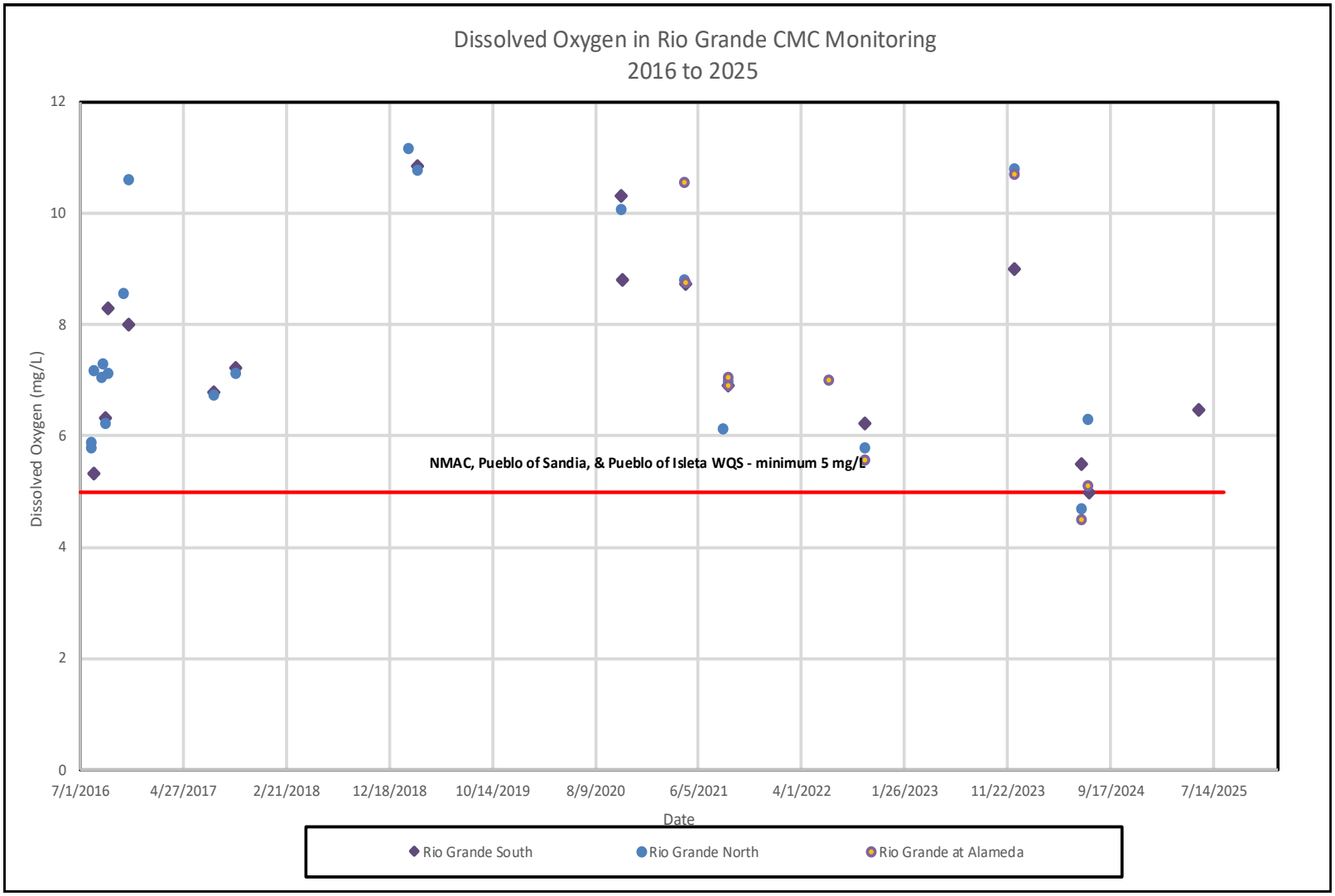


Figure 5: Dissolved Oxygen (DO) Monitoring Results in the Rio Grande CMC Monitoring – FY 2016 – FY 2025

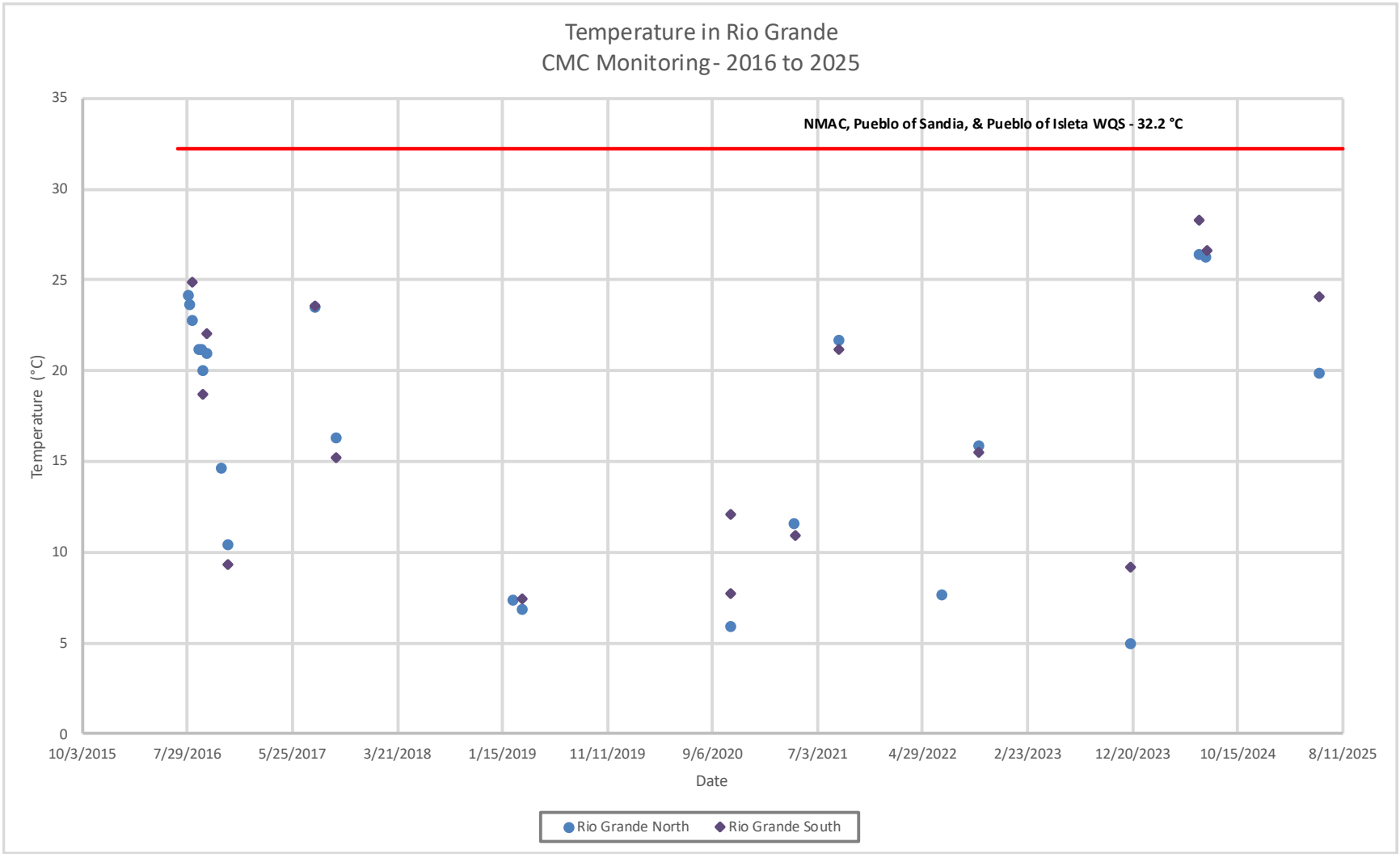


Figure 6: Temperature Monitoring Results in the Rio Grande
CMC Monitoring – FY 2016 – FY 2025

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 aids. 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	V	16		--	V	730		--									
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. 8 - Increase of more than 1/3 over naturally occurring levels is not permitted)	This spreadsheet is not addressing this narrative standard	Composite	SM2540C MOD	V	210		OK	V	260	H	OK									
Chemical Oxygen Demand (COD)	mg/L	--	--	--	--	--	--	--	Composite	EPA 410.4	V	ND		--	V	ND		--									
Biochemical Oxygen Demand (BOD 5)	mg/L	--	--	--	--	--	--	--	Composite	SM5210B	V	ND		--	V	2.9		--									
Dissolved Oxygen (DO)	mg/L	--	Marginal 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. 8)	5	Grab	FIELD	V	No Data		OK	V	6.48		OK	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	V	ND		OK	V	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 - WWL 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	V	10.5		OK	V	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	V	8.4575		OK	V	7.61		OK	V	No Data		--	V	No Data		--
Total Kjeldahl Nitrogen (TKN)	mg/L	--	--	--	--	--	--	--	Composite	SM 4500	V	ND		--	V	1.5		--									
Nitrate plus Nitrite	mg/L	--	Livestock watering (unfiltered sample)	132	--	--	--	--	Composite	EPA 300.0 Anions	V	0.13		OK	V	0.5		OK									
Dissolved Phosphorous	mg/L	--	--	--	--	--	--	--	Composite	EPA 365.1, Filtered sample	V	ND		--	V	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 B to determine WQS. Need to check WQ flag by hand- not automated with equation.	Composite	SM 4500 NH3	V	0.28	J	N/A	V	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	--	V	0.13	J	OK	V	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	V	0.061		--	V	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	V	0.0001942	J (I-)	>WQ Standard	V	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	V	1.24	U	OK	V	18.3		>WQ Standard									
Tetrahydrofuran	µg/L	--	--	--	--	--	--	--	Composite	EPA 8260 C	V	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	V	ND		OK	V	ND		OK									
Benzo(b)fluoranthene (other name: 3,4-Benzofluoranthene)	µg/L	10	DWS - Domestic Water Supply	0.048	--	--	--	--	Composite	EPA 625	V	ND		OK	V	ND		OK									
Benzo(k)fluoranthene	µg/L	5	DWS - Domestic Water Supply	0.048	--	--	--	--	Composite	EPA 625	V	ND		OK	V	ND		OK									
Chrysene	µg/L	5	DWS - Domestic Water Supply	0.048	--	--	--	--	Composite	EPA 625	V	ND		OK	V	ND		OK									
Indeno(1,2,3-cd)Pyrene	µg/L	5	DWS - Domestic Water Supply	0.048	Sandia, Appendix B, p. 5/8 - Human Health Criteria, fish consumption	0.018	--	--	Composite	EPA 625	V	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	V	ND		OK	V	ND	*+	OK									
Pentachlorophenol	µg/L	5	DWS - Domestic Water Supply Aquatic Life (acute/chronic)[7] HH-CH	1 19/15 10	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.G, pg. 7 and Appendix I)	10	Composite	EPA 625	V	ND		OK	V	ND		OK									
Bendrine	µg/L	50	DWS - Domestic Water Supply	0.0815	--	--	--	--	Composite	EPA 625	V	ND		OK	V	ND		OK									
Benz(a)anthracene	µg/L	5	DWS - Domestic Water Supply	0.048	--	--	--	--	Composite	EPA 625	V	ND		OK	V	ND		OK									
Dibenzofuran	µg/L	--	--	--	--	--	--	--	Composite	EPA 625	V	ND		--	V	ND		--									
Dibenz(a,h)anthracene	µg/L	5	DWS - Domestic Water Supply	0.048	Sandia, Appendix B, p. 5/8 - Human Health Criteria, fish consumption	0.018	--	--	Composite	EPA 625	V	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 = 15.71 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	V	0.071	J	OK	V	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	V	0.37		OK	V	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	V	ND		OK	V	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	V	ND		OK	V	ND	*+	OK									
Conductivity	umhos/cm	--	--	--	--	--	--	--	Grab	FIELD	V	No Data		--	V	140.75		--	V	No Data		--	V	No Data		--
Temperature	°C	--	Marginal 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. 8- Section IV.C. Warmwater Fishery Use, pg. 10)	32.2 max	Grab	FIELD	V	19.9		OK	V	24.1		OK	V	No Data		--	V	No Data		--
Hardness (as CaCO3)	mg/L	--	--	--	--	--	--	--	Grab	SM2340B	V	110		--	V	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	V	0.68	J1	OK	V	1.8	J	OK									
PFA (6) (Filtered)	ppt (ng/L)			20		20		20																			

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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.
(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 NM90A000.

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 1,500 mg/l or less, sulfate 500 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 9222B 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+
Storm Water Quality Engineer
Albuquerque **M**etropolitan **A**rroyo **F**lood **C**ontrol **A**uthority
2600 Prospect NE
Albuquerque, New Mexico 87107

Office (505) 884-2215 - Main
Office (505) 878-8942 - Direct
Mobile (505) 362-7342
Fax (505) 884-0214

www.amafca.org

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
INTERA Incorporated

505-832-3171 505-301-1134 www.INTERA.com

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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?

Patrick J. Chavez, MSCE, PE, LEED AP+
Storm Water Quality Engineer
Albuquerque **M**etropolitan **A**rroyo **F**lood **C**ontrol **A**uthority
2600 Prospect NE
Albuquerque, New Mexico 87107

Office (505) 884-2215 - Main
Office (505) 878-8942 - Direct
Mobile (505) 362-7342
Fax (505) 884-0214

www.amafca.org

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
INTERA Incorporated

Albuquerque, New Mexico, 87110
505-630-3388 www.INTERA.com

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
Erin.Munoz@et.eurofinsus.com
(505)345-3975

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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: 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 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 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 Sample Results

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)							
Lab Sample ID	Client Sample ID	PCB81L (25-150)	PCB104L (25-150)	PCB105L (25-150)	PCB114L (25-150)	PCB118L (25-150)	PCB123L (25-150)	PCB126L (25-150)	PCB155L (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)							
Lab Sample ID	Client Sample ID	PCB156L (25-150)	156157L (25-150)	PCB157L (25-150)	PCB167L (25-150)	PCB169L (25-150)	PCB188L (25-150)	PCB189L (25-150)	PCB202L (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)			
Lab Sample ID	Client Sample ID	PCB205L (25-150)	PCB206L (25-150)	PCB208L (25-150)	PCB209L (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)							
Lab Sample ID	Client Sample ID	PCB1L (15-140)	PCB3L (15-140)	PCB4L (30-140)	PCB15L (30-140)	PCB19L (30-140)	PCB37L (30-140)	PCB54L (30-140)	PCB77L (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
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 241542
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
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 241050
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
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 241050
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
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 241050
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 perfluorooctanesulfonamidoaceti c acid (NMeFOSAA)	40.0	42.4		ng/L		106	71 - 131
N-Ethyl perfluorooctanesulfonamidoaceti c 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
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 857654
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

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26070-1
Project/Site: CMC

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
Matrix: Water
Analysis Batch: 27647

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			06/05/25 09:03	1

Lab Sample ID: LCS 885-27647/2
Matrix: Water
Analysis Batch: 27647

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
HEM (Oil & Grease)	40.0	35.2		mg/L		88	78 - 114

Lab Sample ID: LCSD 885-27647/3
Matrix: Water
Analysis Batch: 27647

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	39.8		mg/L		100	78 - 114	12	20

Lab Sample ID: MRL 885-27647/16
Matrix: Water
Analysis Batch: 27647

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	8.80		mg/L		110	50 - 150

Lab Sample ID: MRL 885-27647/17
Matrix: Water
Analysis Batch: 27647

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 885-27647/18
Matrix: Water
Analysis Batch: 27647

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	8.80		mg/L		110	50 - 150

Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-28104/1
Matrix: Water
Analysis Batch: 28104

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			06/11/25 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	

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)	9223B E. COLI	SEE ATTACHED LIST				
6/4/25	1440	AQ	RG-NORTH20250604	100ml PLASTIC 1													X	X				
6/4/25	1540	AQ	RG-ALAMEDA20250604	100ml PLASTIC 1													X	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

Page 1 of 1
7/15/2025

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

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



885-26070 Waybill

ORIGIN ID:ABQA (505) 345-3975
SAMPLE RECEIVING
HALL ENVIRONMENTAL
4901 HAWKINS NE

ALBUQUERQUE, NM 87109
UNITED STATES US

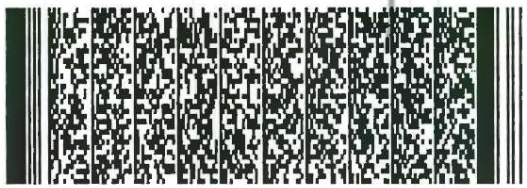
SHIP DATE: 05JUN25
ACTWGT: 20.00 LB
CAD: 1717027/INET4535

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

XW DTHA

92780
CA-US SNA



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			
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			

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)	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 *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		6/5/25 1545			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

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: 885-5218.1
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			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-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
Relinquished by: Fedex	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:
		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

eurofins | Environment Testing

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 # 881419864 60

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.

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

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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.

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 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: 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-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 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
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 241668

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
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 241668

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
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 241668

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
Client Sample ID: RG-SOUTH20250605
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 241668

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
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
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
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		
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
Matrix: Water
Analysis Batch: 858281

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

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

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
Matrix: Water
Analysis Batch: 29006

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
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
Matrix: Water
Analysis Batch: 29006

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	0.000500		mg/L		100	50 - 150		

Lab Sample ID: MRL 885-29006/41
Matrix: Water
Analysis Batch: 29006

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	0.000504		mg/L		101	50 - 150		

Lab Sample ID: MRL 885-29041/18
Matrix: Water
Analysis Batch: 29041

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	0.000477	J	mg/L		95	50 - 150		

Lab Sample ID: MRL 885-29041/19
Matrix: Water
Analysis Batch: 29041

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	0.000457	J	mg/L		91	50 - 150		

Lab Sample ID: MB 160-722346/1-A
Matrix: Water
Analysis Batch: 723568

Client Sample ID: Method Blank
Prep Type: Total/NA
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
Matrix: Water
Analysis Batch: 723568

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
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
Client Sample ID: RG-SOUTH20250605
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 723568
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
Client Sample ID: RG-SOUTH20250605
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 723568
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
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 27844

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
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 27844

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
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 27844

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
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 27844

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
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 27844

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

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

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 #:		Other: AA-CRG Acetone
Email: pchavez@amafca.org	WO #:		
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	D	D	D	D	D	D	S	D	A	S	N	N	N	S	D	D	N	Y	P	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	X		The only sample field filtered is the chromium sample.
RG-ALAMEDA20250605	6/5/25	12:20	G	W	N	N																							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
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

Ver: 01/16/2019



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.I50E74/59F2

FedEx Express

TUE - 10 JUN 10:30A
PRIORITY OVERNIGHT

TRK# 0201 8818 9317 5304

92780
XW DTHA CA-US SNA

885-26174 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: 885-5252.1
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

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)	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	

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

7/9/2025

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 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	*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 1700		Ron Stephens	6/6/25 857	
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: ∆ Yes ∆ 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	[illegible]
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

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 0745	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 Carney 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.

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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

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.

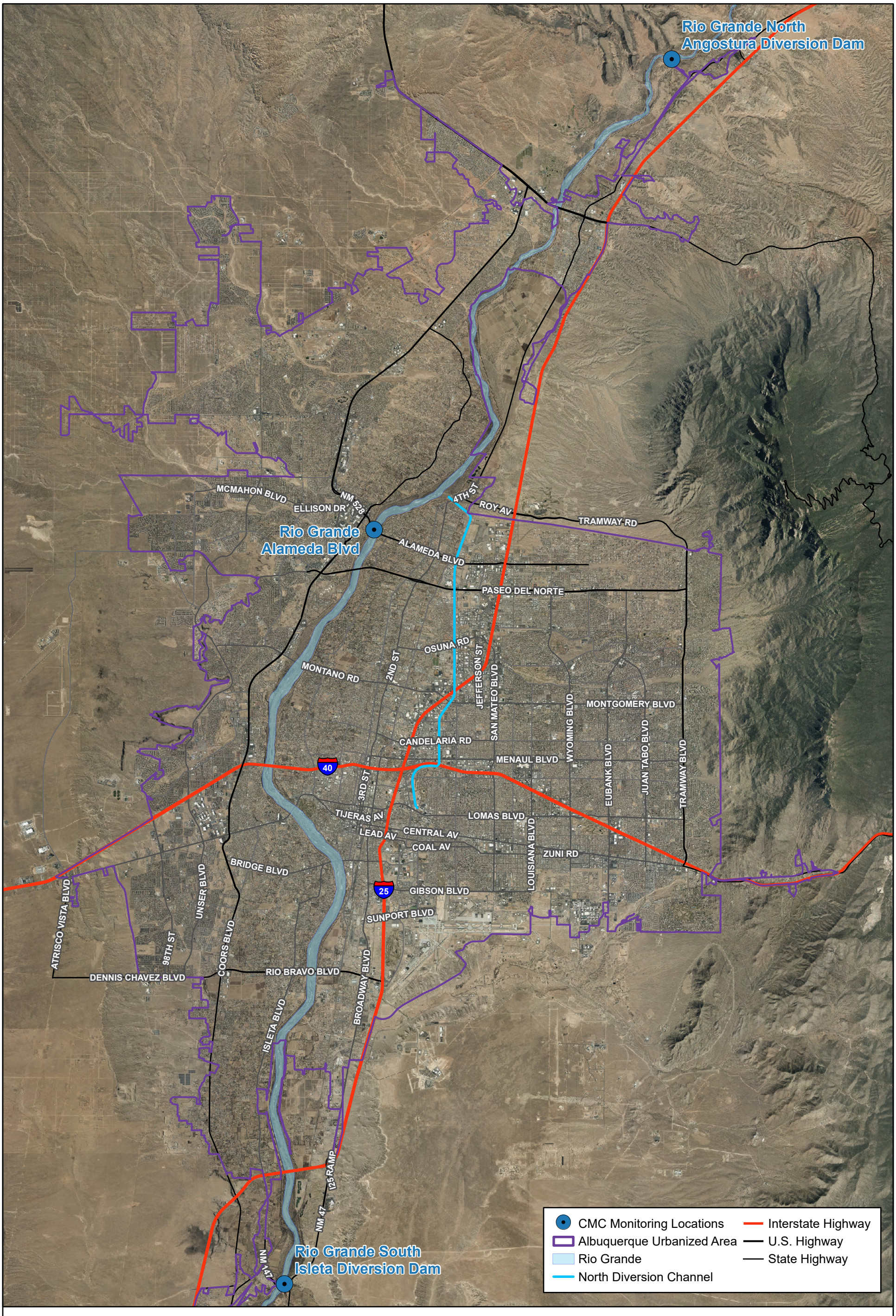
Table 1: Parameters Detected Above Applicable Water Quality Standards
CMC FY 2025 Wet Season Monitoring

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

P:\20240355\GIS\Projects\20240355_CMCMonitoring_Figures\20240355_CMCMonitoring_Figures.aprx
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.

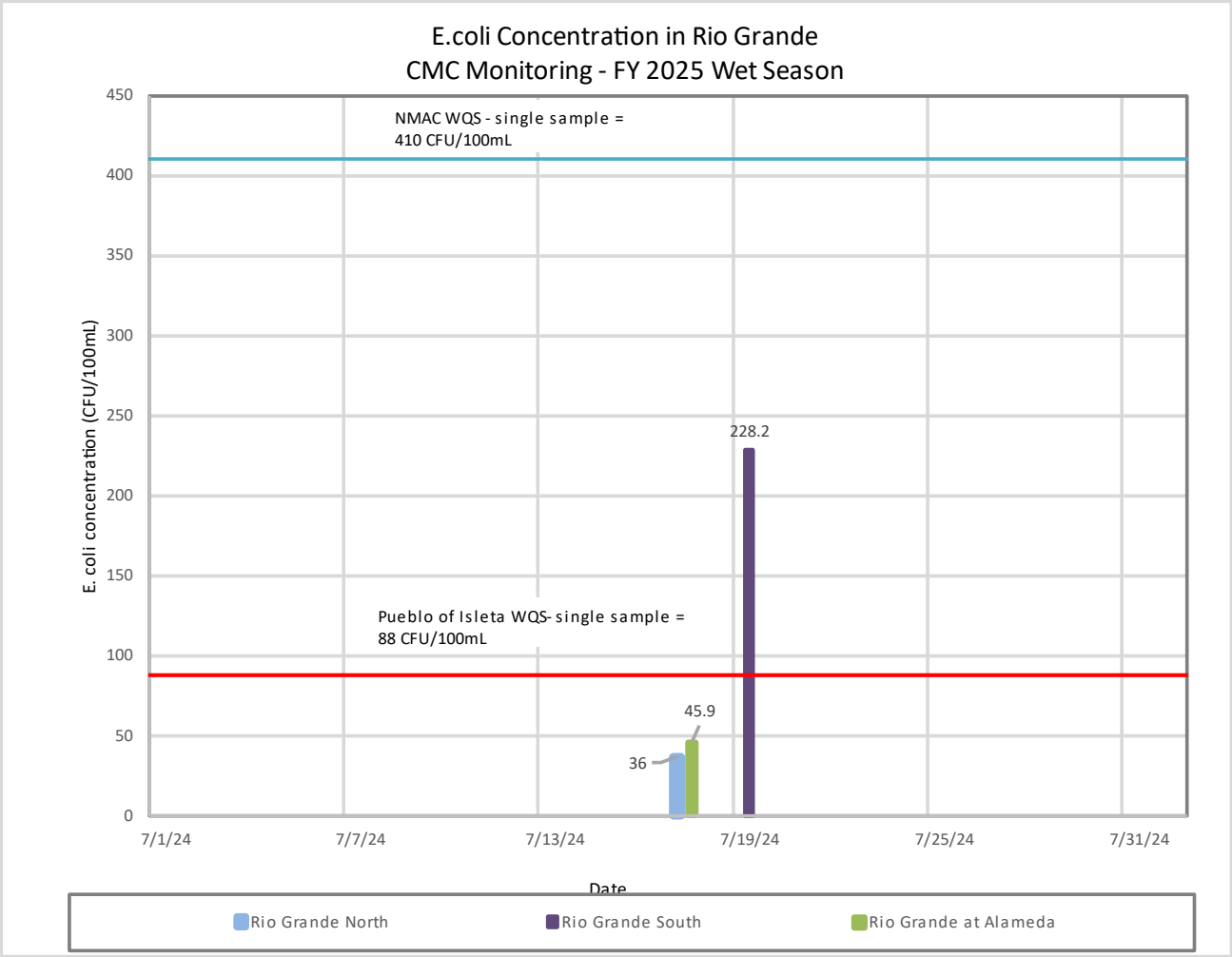


Figure 2: E. coli Monitoring Results in Rio Grande
CMC Monitoring – FY 2025 Wet Season

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.

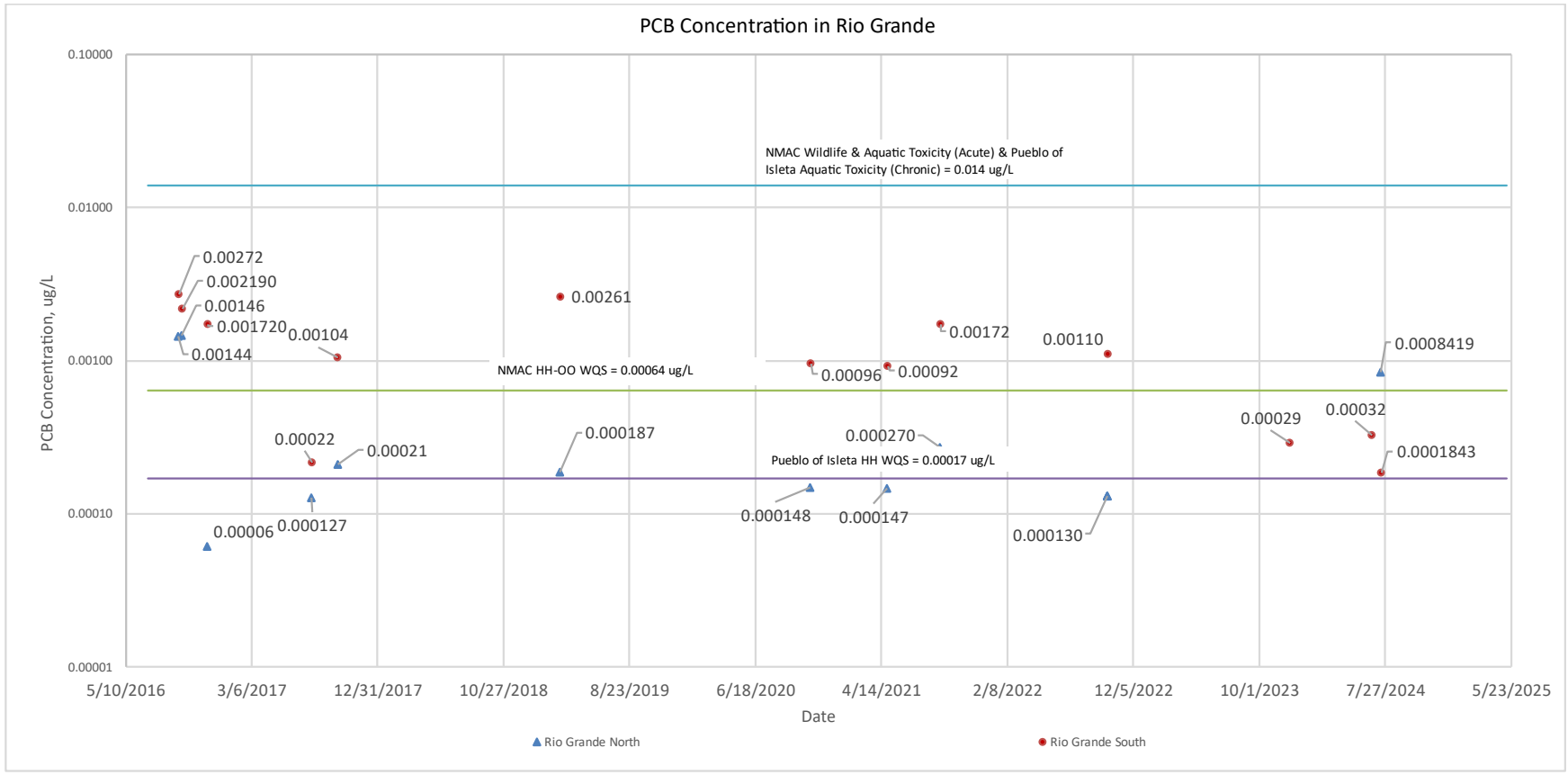


Figure 3: PCB Monitoring Results in Rio Grande
CMC Monitoring – 2016 - 2025

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.

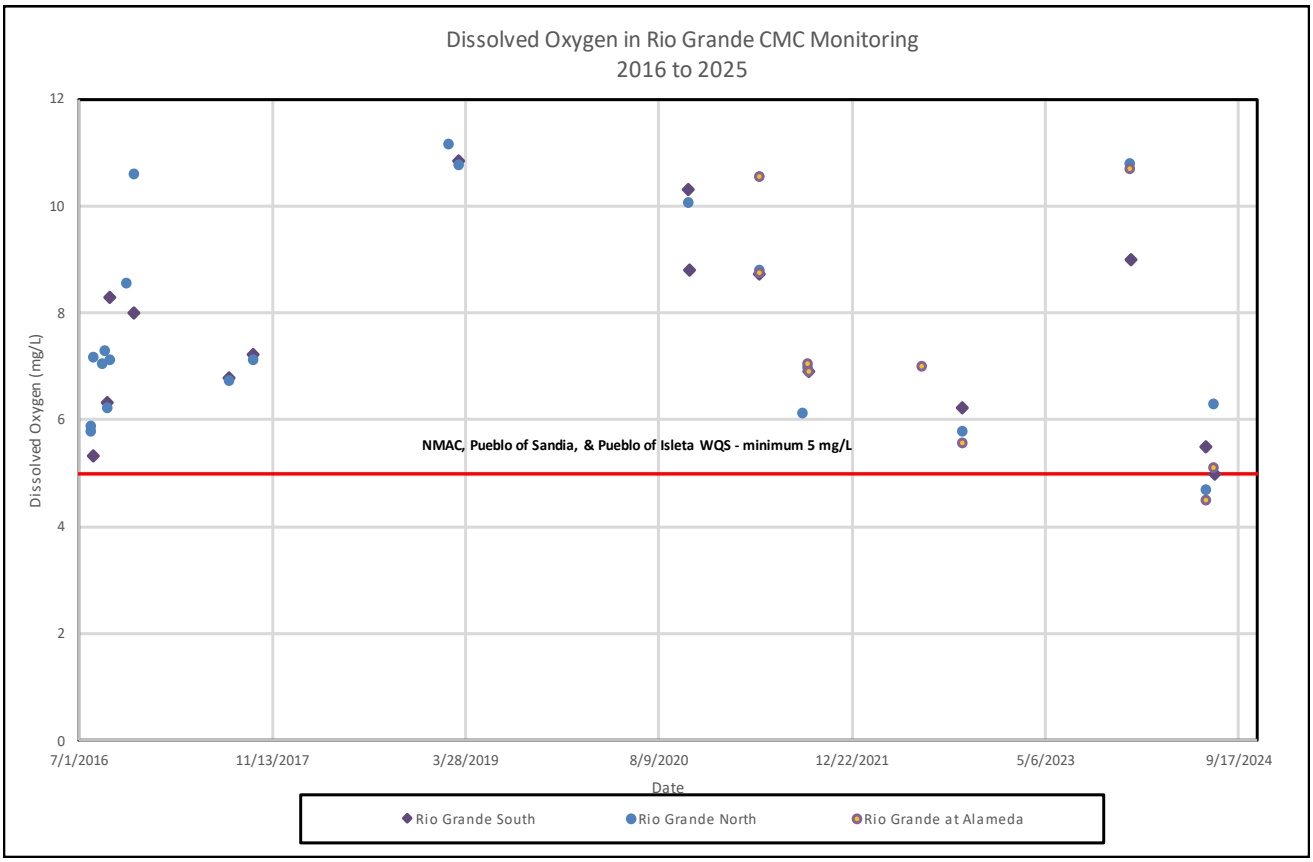


Figure 4: Dissolved Oxygen (DO) Monitoring Results in the Rio Grande CMC Monitoring – FY 2016 – FY 2025

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.

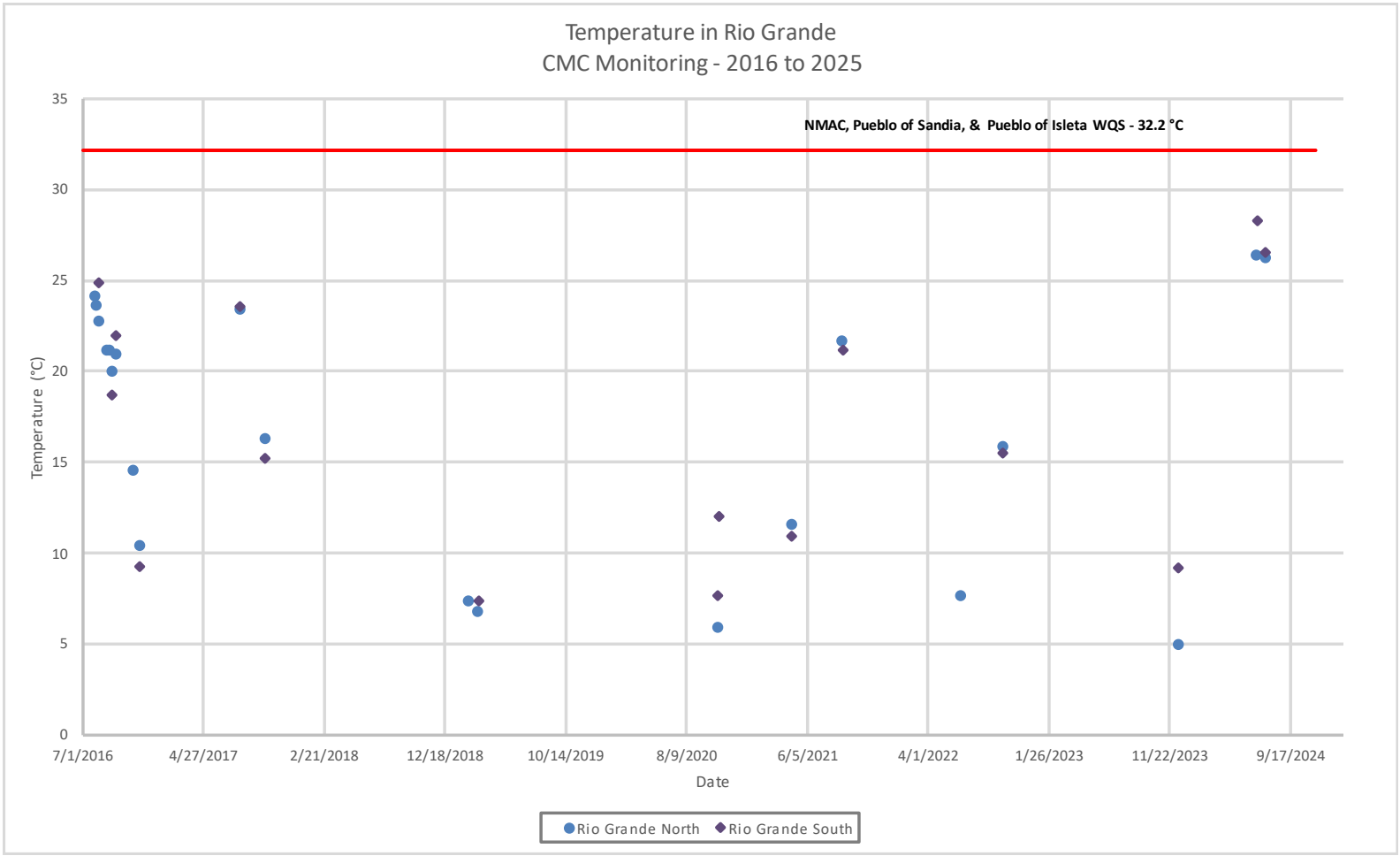


Figure 5: Temperature Monitoring Results in the Rio Grande
CMC Monitoring – FY 2016 – FY 2025

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	

MCMAHON BLVD
ELLISON DR
NM 528
4TH ST
ROY AV
ALAMEDA BLVD
PASEO DEL NORTE
Rio Grande
OSUNA RD
MONTANO RD
2ND ST
JEFFERSON ST
SAN MATEO BLVD
WYOMING BLVD
MONTGOMERY BLVD
TRAMWAY BLVD
CANDELARIA RD
MENAUL BLVD
EUBANK BLVD
JUAN TABO BLVD
3RD ST
LOMAS BLVD
LEAD AV
COAL AV
ZUNI RD
LOUISIANA BLVD
CENTRAL AV
98TH ST
UNSER BLVD
COORS BLVD
BRIDGE BLVD
GIBSON BLVD
ATRISCO VISTA BLVD
DENNIS CHAVEZ BLVD
RIO BRAVO BLVD
BROADWAY BLVD
Tijeras Arroyo
ISLETA BLVD
I25 RAMP
NM 47
NM 147
25
40
550

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 7/19/2024 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)																				

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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 Johannesson
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~~ Difect 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: 7/14/'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	~~7.5~~ 5.0	~~74~~ 5.0		≈2
1115 ~~1030~~	25.8	8.10	506	~~5.4~~ 5.6	~~5.0~~ 84		≈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

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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 7/19/2024 4:23:40 PM

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.

myEOL

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

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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 - Chad Johannesson

On Ice: ☑ Yes ☐ No

# of Coolers: 1

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

885-8170 COC

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

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)	Analysis Request: X + E coli - enumerate
7-17-25	1230	AQ	RG-North-20240717														
7-17-25	1400	AQ	RG-Alameda-20240717														X

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

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

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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
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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.
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Job ID: 885-8362-1

Client Sample ID: RG-South-20240719
Date Collected: 07/19/24 11:45
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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.
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-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 Sample Results

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.Coli (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 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

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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			
City: Mount Juliet	TAT Requested (days):			
State, Zip: TN, 37122				
Phone:	PO #:			
Email:	WO #:			
Project Name: CMC	Project #: 88501060			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

Other: L179177

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
	[signature]	7/22/24 1445				
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				[signature]	7-23-24 0900	
	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:

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 Suite 100 ABQ NM 87109

Phone #: 505-822-9400

email or Fax#: CJohannesen@dbstephens.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: Chad 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)	Standard PAHs	E. Coli	See Attached List			
7/19/24	~~1100~~ 1115	Water	RG-South-20240719														✓	✓	✓			
			~~RG-South-DUP-20240719~~																			
7/19/24	~~1100~~ 1115	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		CDO		13:27
Date	Time	Relinquished by:	Received by:	Via:	Date	Time
					7/19/24	

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	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 @ 1505		Richard Thornley	JUL 23 2024 0900	ETASTL
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: 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
1	Ben McLatchie	7/22/24 @ 1320			7/23/24 930	
2						
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks:
		Seal

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

EESNO1 7.26.24 930 2.9c

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

eurofins | Environment Testing

Sacramento Sample Receiving Notes (SSRN)

Tracking # 777545663754

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: 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): 0000279286

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

eurofins | Environment Testing

Sacramento Sample Receiving Notes (SSRN)

Tracking # 777605790315

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: 511 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 Source: Eurofins Sacramento

List Number: 5

Creator: Simmons, Jason C

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.

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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.

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3/4/2025

Data Verifier/Validator Signature Date

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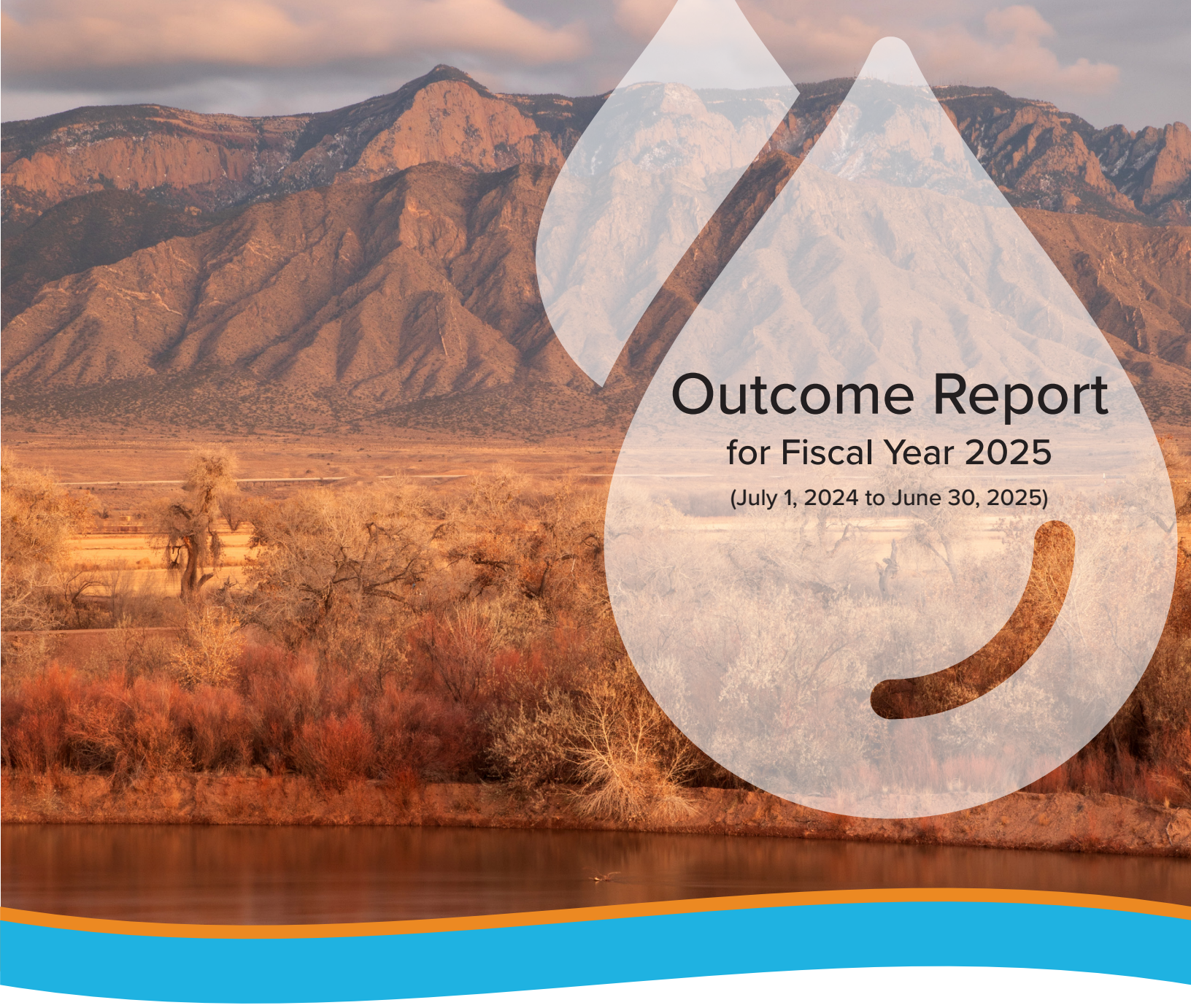
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R1	Rejected due to incorrect sample preservation	R
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D1	Spike recovery not within method acceptance limits	
F1	Sample filter time exceeded	
J1	Estimated: the analyte was positively identified and the 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	

Section 6	Annual Report Responsibilities for Cooperation Programs
	6.1 Middle Rio Grande Stormwater Quality Team Outcomes Report FY2024-25 6.2 Middle Rio Grande Stormwater Quality Team Membership 6.3 Middle Rio Grande Municipal Separate Storm Sewer System Technical Advisory Group – Cooperative Monitoring Plan 6.4 Delegation of Authority for Date Entry into NetDMR System



Outcome Report

for Fiscal Year 2025

(July 1, 2024 to June 30, 2025)

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)

PRESENTED BY

SUNNY505

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)

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Cuidad Soil and Water Conservation District
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BEMP School June Report . . . . . go to report

BEMP 2023 Annual Technical Report. . . . . go to report

2023_BEMPStormWaterQualityTeamData (1).xlsx need to link somewhere

to come when all copy is submitted

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)

AMAFCA

Albuquerque Metropolitan Arroyo Flood Control Authority

Educational and training opportunities provided to adult college students in the watershed.



NEED NEW INFO. FOR AMAFCA

March 27, 2024

Guest Presenter UNM Landscape Architecture
Bear Arroyo Studio

April 16, 2024

What: Happy Hou
passage of the Co
Where: Bow and A
McKnight Ave NW
When: TONIGHT 5:

April 17, 2024

UNM SASLA & APA U hosting a Lunch and Learn tomorrow from 12–1 pm in George Pearl Hall, Room 133. It will be Jon Pena, PE with NV5. He'll be discussing the importance of site drainage, collaboration and working across disciplines. This one is really oriented toward students and new professionals.

SUNDAY, April 21, 2024

What: Earth Day Festival
Where: Balloon Fiesta Park
When: Sunday April 21, 10am–4pm
Tickets: $5/person or you can volunteer for Arid LID and get in FREE!

Friday, April 26th, 2024

What: National Arbor Day Celebration
Where: Civic Plaza, Albuquerque
When: 9:30am–1pm
NOTE: Tree Giveaways at 10:30am!!!!

May 6th, 2024

Guest Reviewer UNM Landscape Architecture Studio Final Projects

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.

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

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

Intergovernmental Agreement Regarding the Operation, Function,

and Funding of the Storm Water Team

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

Lauro Silva, Chair

Approved as to Form:

Bernard P. Metzgar
SSCAFCA Attorney

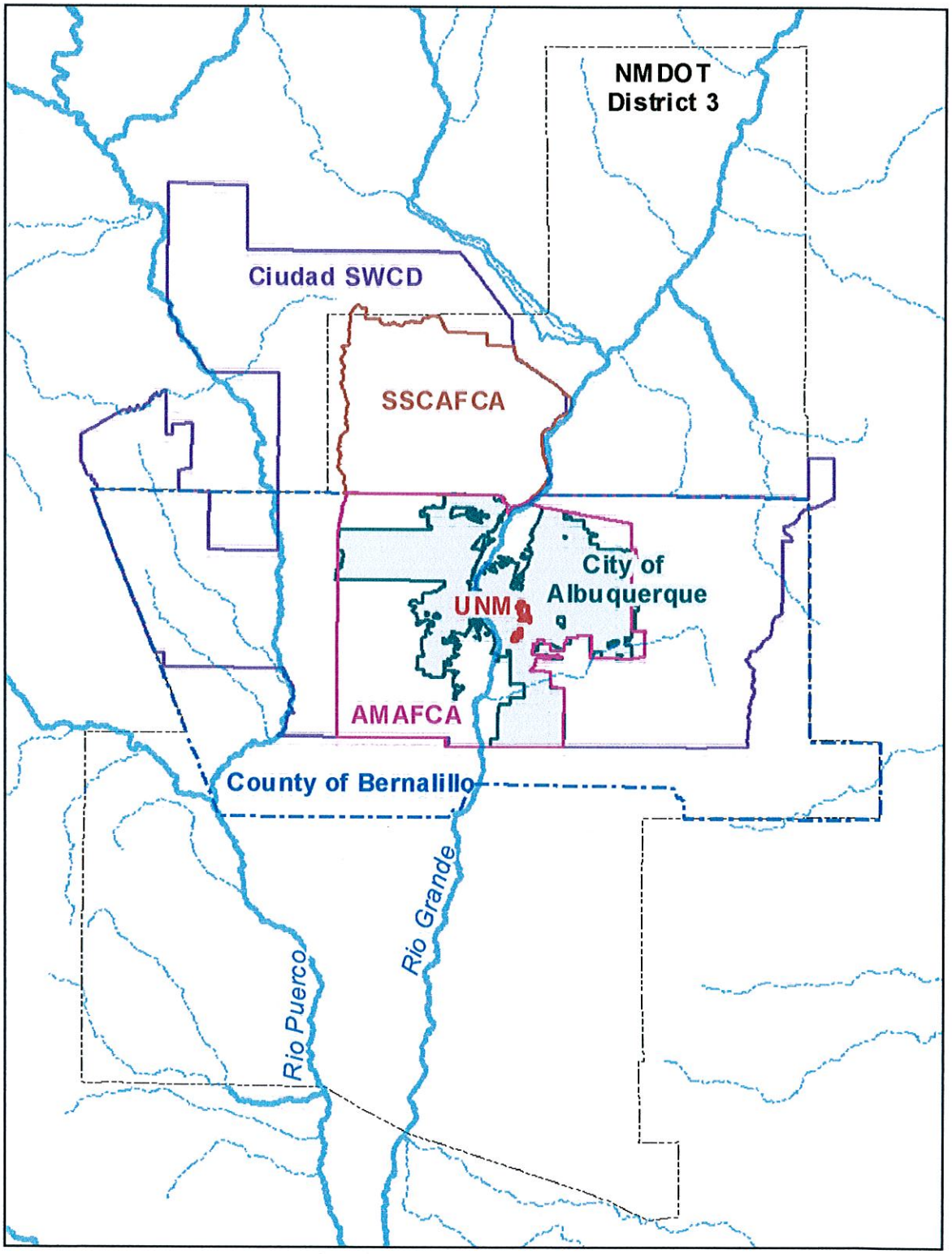
Date: 4/18/08

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

Accepted on behalf of:

U.S. DEPARTMENT OF ENERGY
NATIONAL NUCLEAR SECURITY ADMINISTRATION
SANDIA FIELD OFFICE

By: _____ 14 NOV 2013

Geoffrey L. Beausoleil
Manager

Date

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. Luce, 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
Elsa K. Cole, Esq.
University Counsel

7/15/2016
Date

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



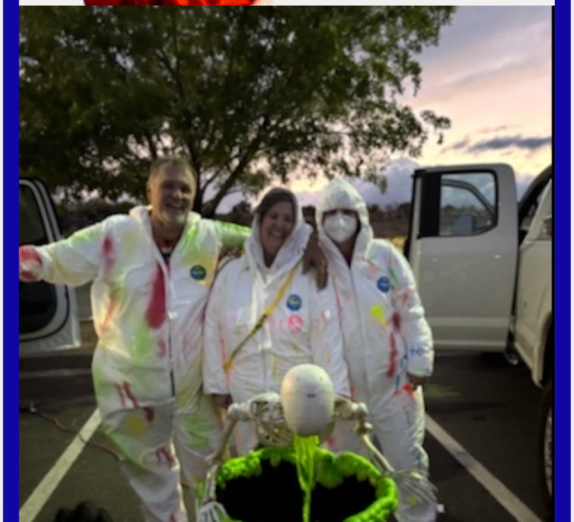



2024 2025

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

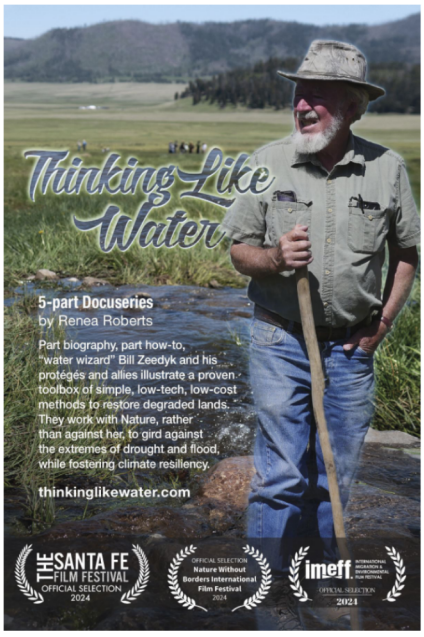
Sponsorships

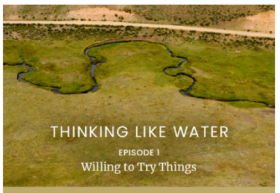
2025 Land and Water Summit
2024 Children's Water Festival
Thinking Like Water Film Screening

Children's Water Festival
IN RIO RANCHO

LAND AND WATER SUMMIT

SCREENING AND DISCUSSION





WEDNESDAY, MARCH 5

5:30-6:15 PM: RECEPTION

6:15-8:30 PM:
FILM SCREENING AND Q&A
with Bill Zeedyk, filmmaker Renea Roberts, and special guests

FUSION THEATER
708 1st St NW
Albuquerque, NM 87102

Thinking Like Water offers the pioneering work of 89-year-old "water wizard" Bill Zeedyk, and his protégés and allies, who have continually devised ways of transforming degraded wetlands and drylands into more resilient ecosystems that help gird against drought and climate change. Zeedyk soothes the watershed, coaxes straightened streams back on their natural meandering course, lifts the creek, raises the water table and recreates lost habitats, all while using simple nature-based restoration techniques he designed or innovated upon. Motivational and practical, *Thinking Like Water* gifts to the viewer practices that can be taken right out of the viewing realm and into their own landscapes.

I first met Bill in 2008 while documenting a workshop he was teaching focused on how to maintain dirt roads that were trodden by industry in the southwestern Four Corners region. Off the bat, I was impressed by his knowledge (living off a dirt road myself) as well as his humility. I also loved Bill's saying, "Fixing a road is like 2+2 = 7."

Out on that landscape, it was abundantly clear: our human-made waterways were dewatering ecosystems. Keeping the water in the watershed made lots of sense to me. In time, I learned more of Bill's stream and wetland work and almost a decade later began shooting Thinking Like Water to bring his philosophies to the world.

More than a few people thought I was ambitious (crazy) to do a series, but Zeedyk had covered quite a bit of ground so to speak and I felt the concepts and teachings would benefit from an approach that built over time – like learning from nature herself. And I believe there are folks who are hungry for more how-to dialogue and practices and not just a great story or entertainment.

With over 6 years invested in filming and editing, it feels like a big exhale to have the series getting out, thank you for supporting and being a part of that rippling out and percolating in.



Renea Roberts
Producer, Director, Editor | R3 Productions

TICKETS ARE FREE
SEATING IS LIMITED

SPONSORS

PARTNERS

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

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.

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.
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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

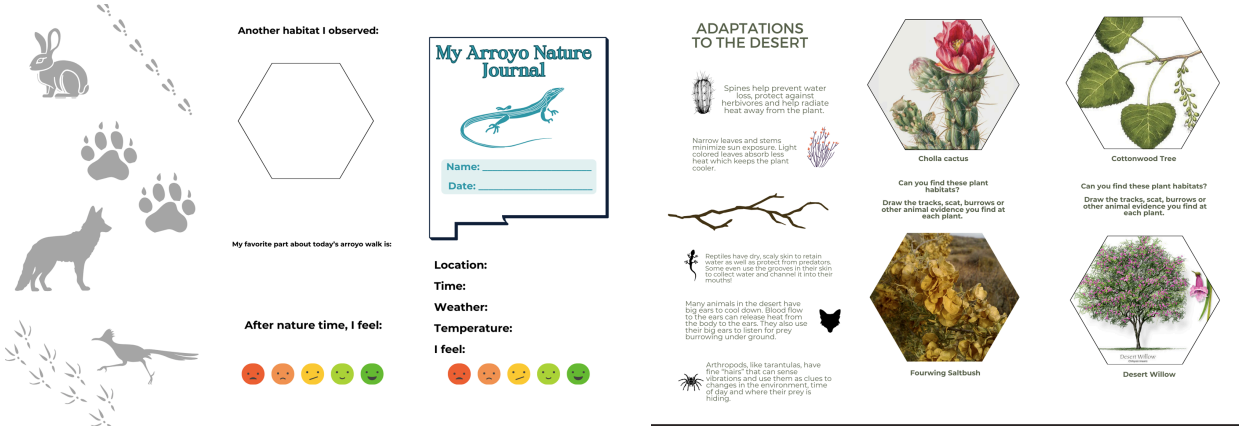
The combined arroyo walk and watershed lesson has proven to be successful in delivering both a hands-on approach to understanding watershed health and how it relates to wildlife and plants in arroyos with more outdoor time. The Arroyo Field Trip curriculum can be viewed here.

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?
WHAT PLANTS DO BUTTERFLIES NEED?

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.

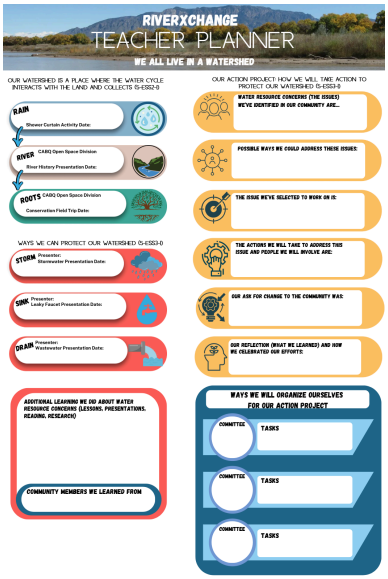
Complete by August 2024. **Status: completed.**

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**
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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.

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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**
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	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.





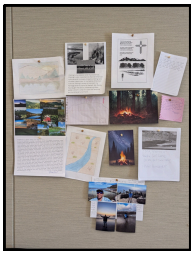


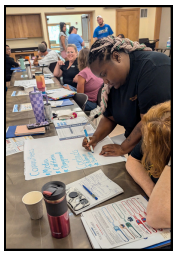
Top Left: Students get instruction on proper tool use for restoration activities. Bottom left: students spread native seeds. Top right: wildlife sightings are common in the Bosque.

RIVERXCHANGE® ENGAGEMENT & IMPACT

EDUCATION FOR UNDERSTANDING AND PROTECTING WATERSHED HEALTH







Teacher Professional Development

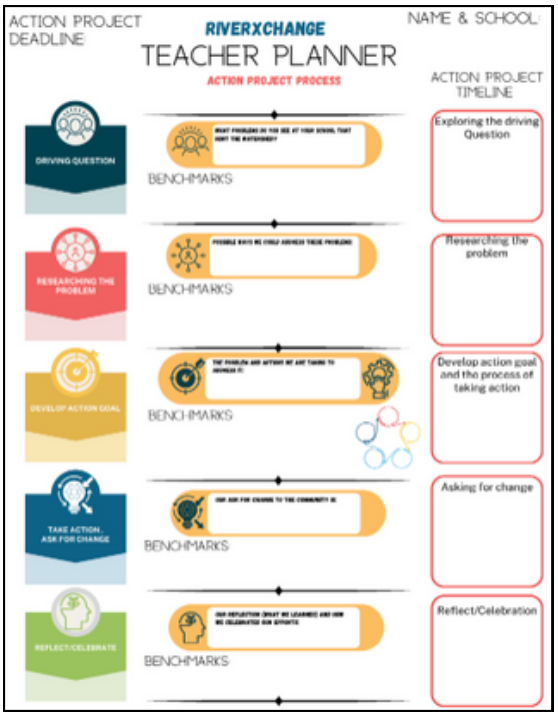
Teachers are an incredibly important part of RiverXchange! Throughout the program they build the bridge between RiverXchange activities and environmental action civics in the classroom while also increasing their own watershed stewardship skills. Each year RiverXchange hosts a teacher workshop in the 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

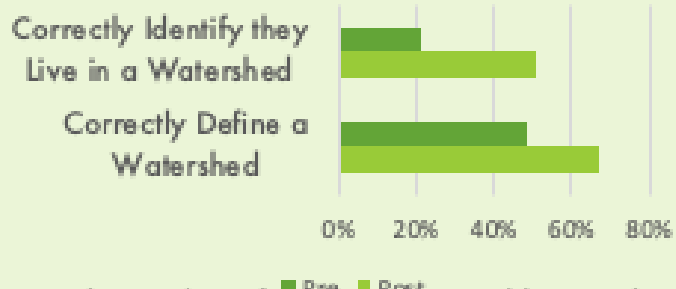
EDUCATION FOR UNDERSTANDING AND PROTECTING WATERSHED HEALTH

- 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

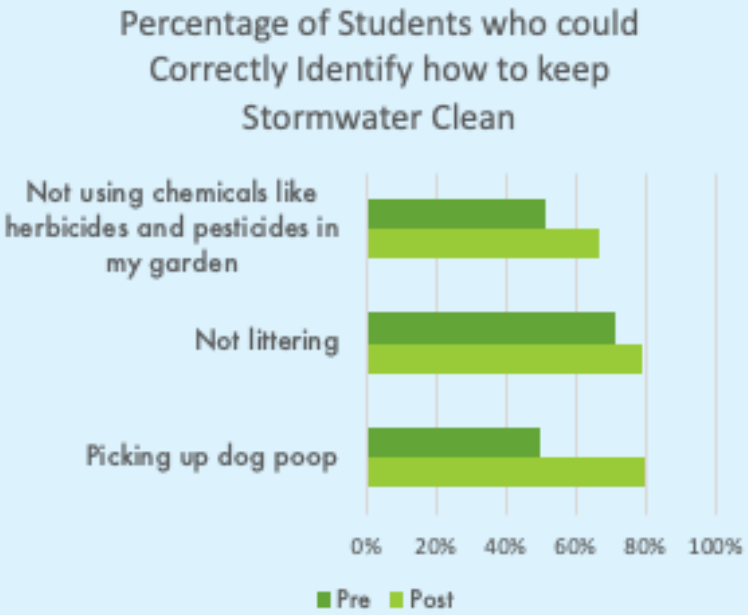
Student Watershed Knowledge



- The number of students who could correctly identify that they live in a watershed increased from 49% to 67%.

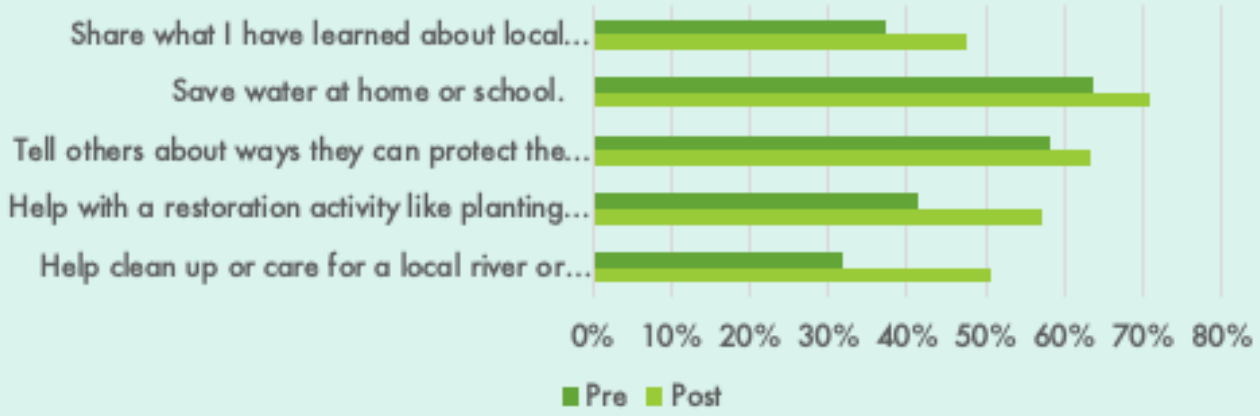
Student Stormwater Knowledge





- There was an increase in student knowledge across topics and questions from the pre to post assessment

Student Skills



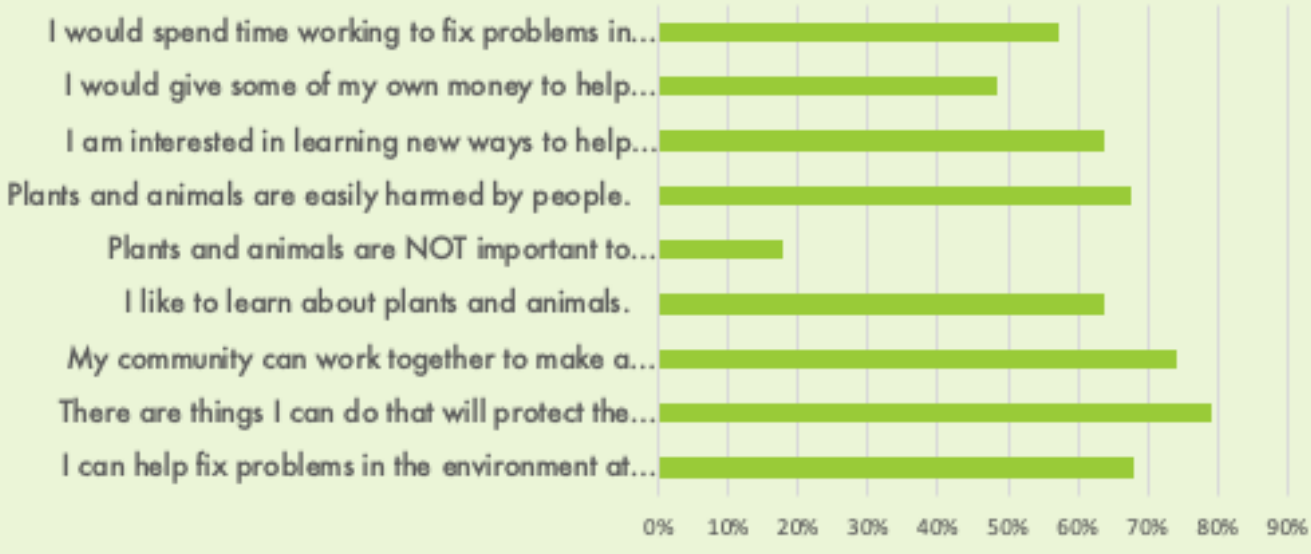
❖There was a substantial increase in students' self assessment of their skills across topics.

Field trip drawings:



At the end of their field trip students were asked to draw their favorite part of the day

Student Advocacy

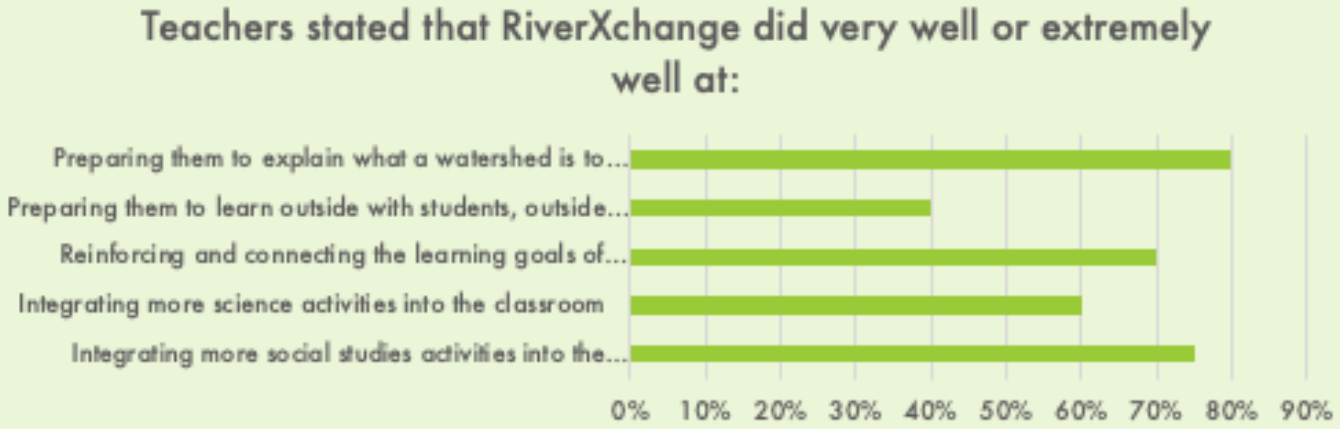


Class Time



- 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



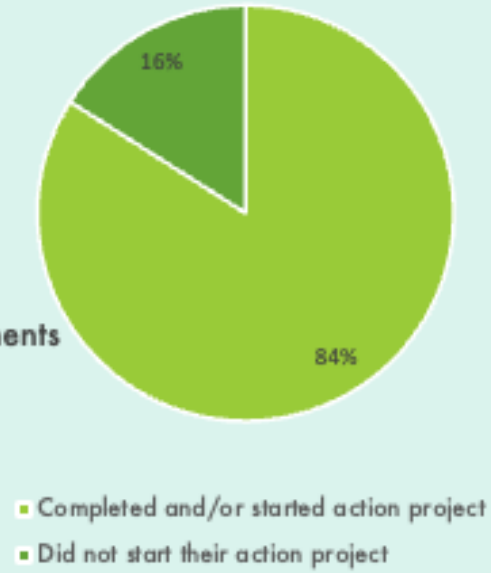
- All of the teachers who participated in the 2024-2025 school year have indicated they want to participate again in the coming year.

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

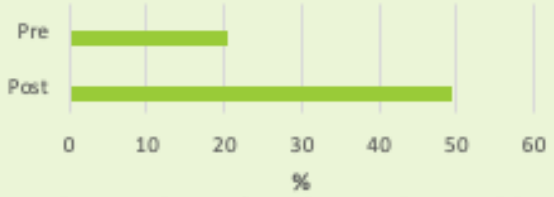
- The Arroyo Classroom program promotes safety and awareness of natural arroyos. As part of the educational standards, Ciudad SWCD educates students about habitats around their schools and neighborhoods and the animals that make their homes in arroyos. Students learn that simple activities can have a 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.

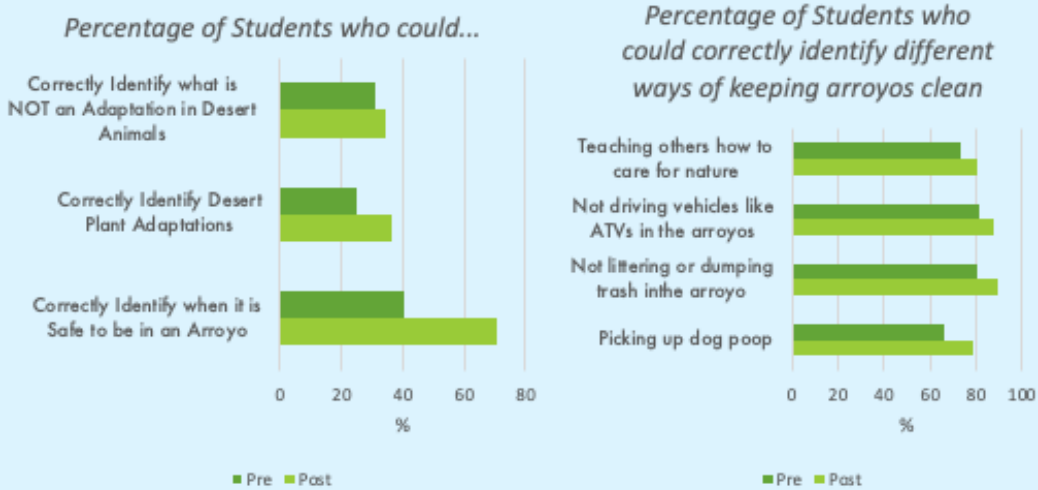
Students' Watershed Knowledge

Percentage of Students who could Correctly Define a Watershed



- The number of students who could correctly identify a watershed increased from 20.6% to 49.3%.

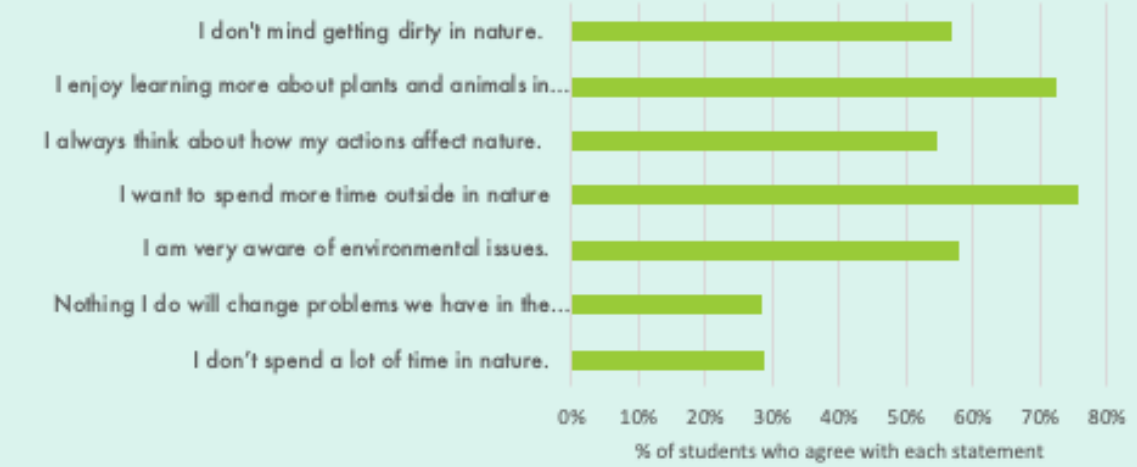
Students' Arroyo and Desert Knowledge:



- There was an increase in knowledge across topics and questions related to arroyo health

EVALUATION

Students' Reflections on their Connection to Nature (Post-Survey)



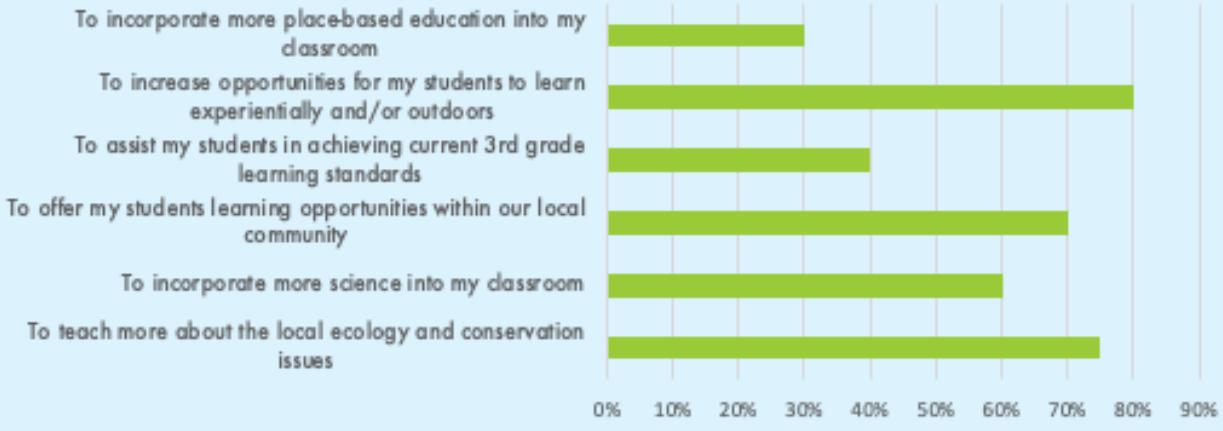
❖Students report having a positive connection to the natural world and environment

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.

Teachers share why they participated



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).

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)

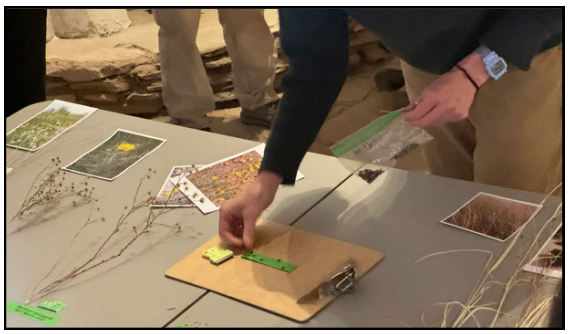
Ciudad SWCD, ABQ Backyard Refuge and Keep Rio Rancho Beautiful held a conservation resource fair with presentations, partner tabling and a special appearance by the Pollination Station by the Conservation Carnivale.

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

ERIN BLAZ,
EDUCATION MANAGER
erin@ciudadswcd.org
505-225-7487

THERESA ARAGON,
EDUCATION COORDINATOR
theresa@ciudadswcd.org

thank you!



CIUDAD SOIL & WATER CONSERVATION DISTRICT
PO BOX PO Box 93463, Albuquerque, NM 87199

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.





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**

Stormwater Quality

Digital Media Performance

Campaign:
4/18/2025 - 6/30/2025

SUNNY505

SUNNY505

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%

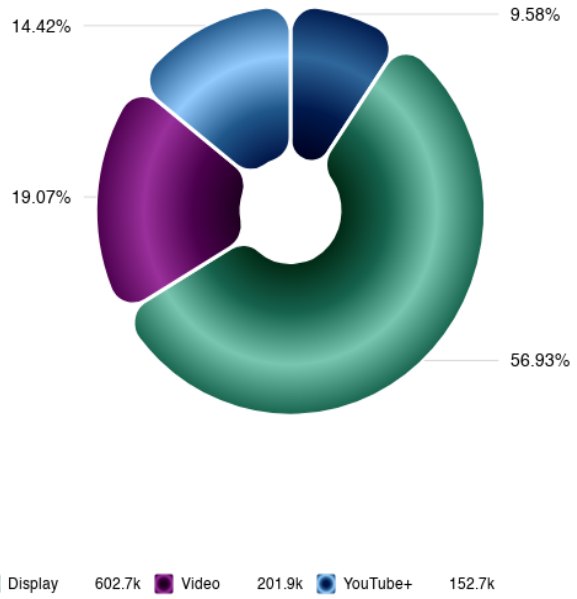
Percentage of users who watched the video from start to finish

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

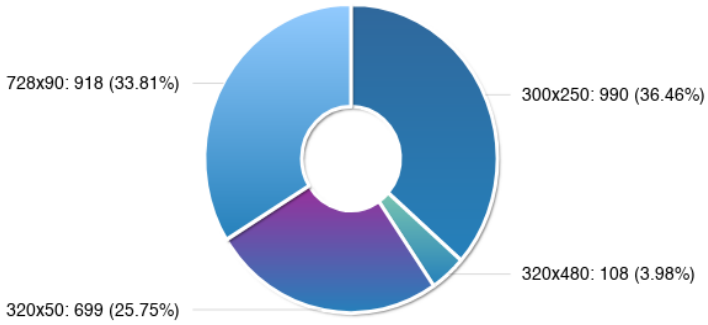
Line Item Name	Impressions	Clicks	CTR	X the National Avg (.07%)
Mid Rio Grande Stormwater Quality Team - Public Health/Educators/Families Behavioral Display	303,089	1,051	0.35%	4.95
Mid Rio Grande Stormwater Quality Team - AI Display	299,608	1,664	0.56%	7.93
Mid Rio Grande Stormwater Quality Team - Categories 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%

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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

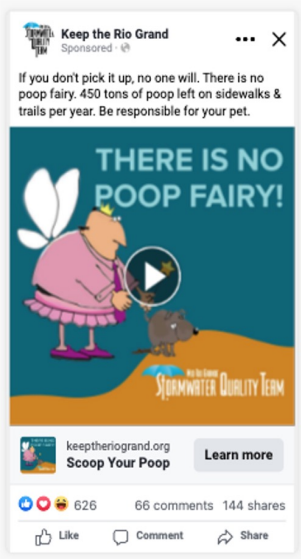
Publisher Image	Publisher Name	Impressions	Completion Rate
	The Roku Channel	31,451	99.20%
	Roku - Sling TV	7,092	98.82%
	Samsung TV	4,878	99.07%
	Roku Streaming	2,522	99.53%
	Google TV - Telly	1,862	98.80%

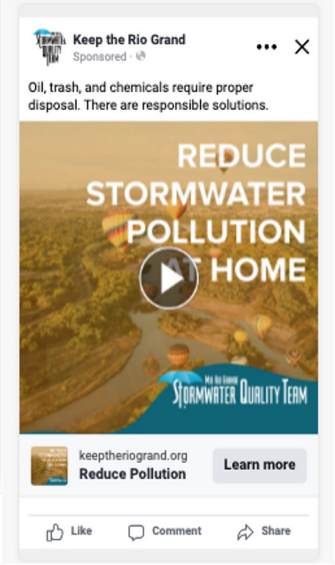
	Google TV - Plex	1,640	99.51%
	Roku - Pluto TV	1,461	99.77%
	Fire TV - Very Local: Free Local News, Original Series & More	1,436	98.30%
	Vizio	1,228	96.49%
	Fire TV - ESPN	1,158	99.55%

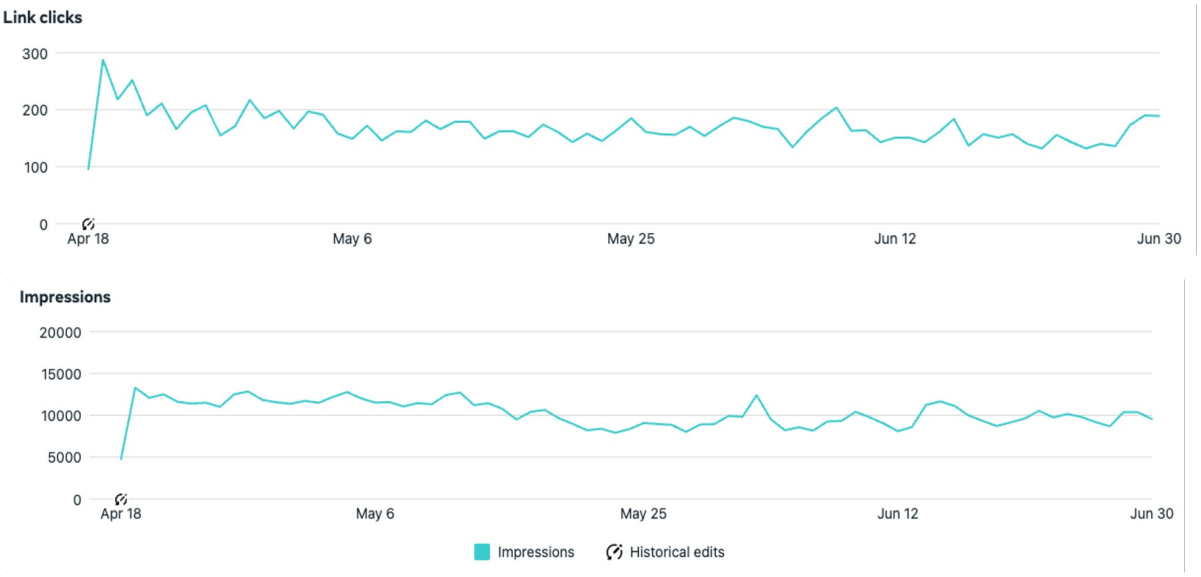
SUNNY505

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**

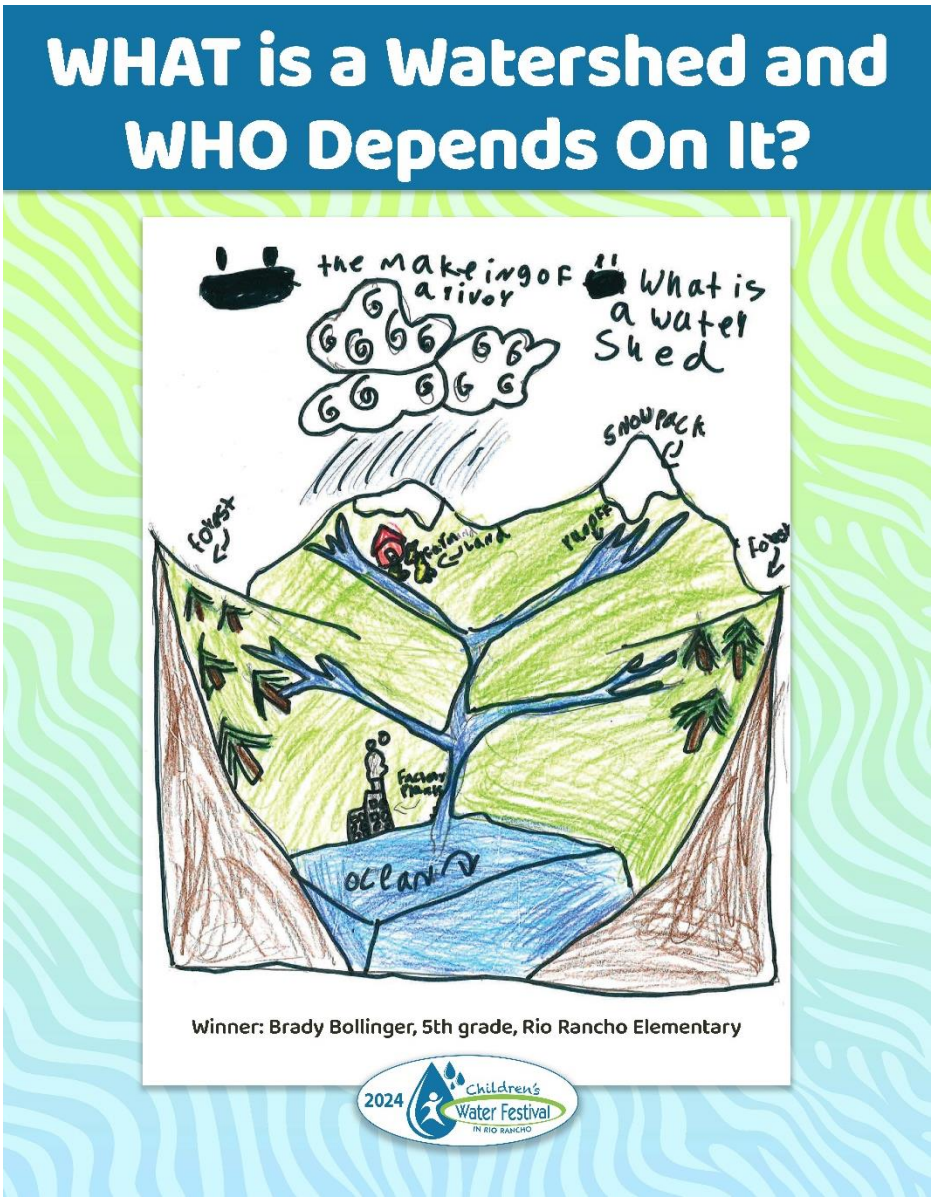
Graffiti Eradication and Prevention
Number of Graffiti Locations Reported
Number of Graffiti Locations Removed
Number of Community Murals Created
Number of Dumpsters Painted
Number of Receptacles Painted

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



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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

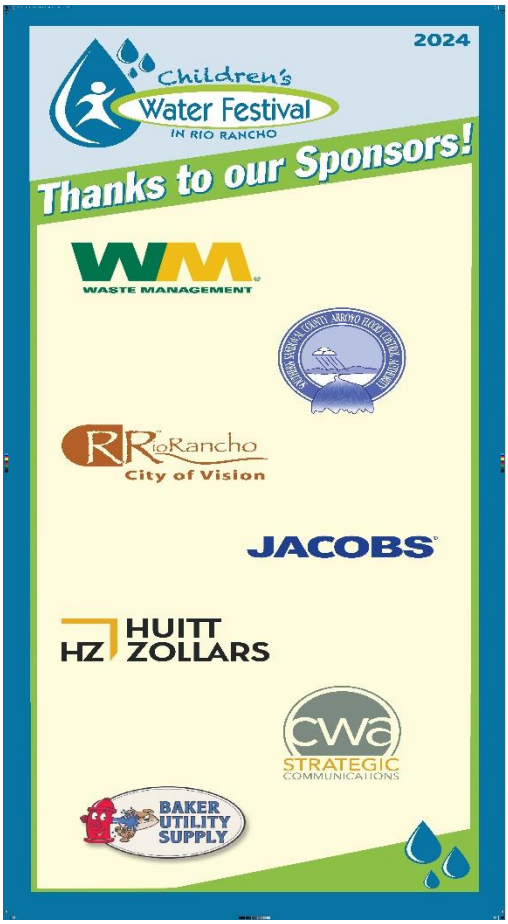
CWF Cost

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.

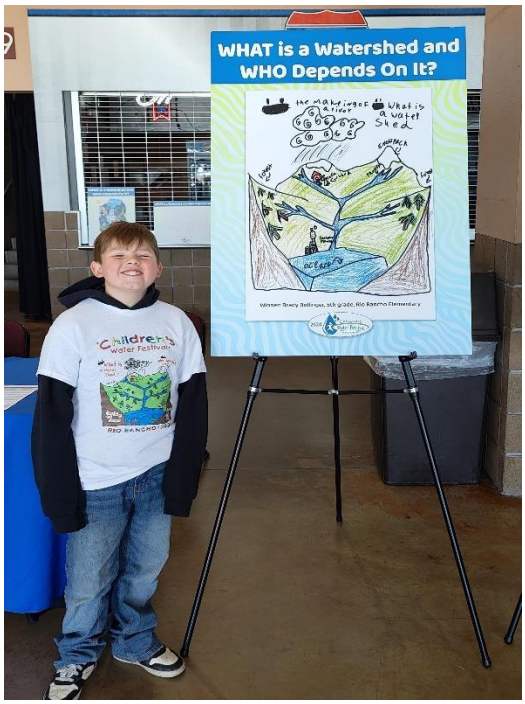


Swag bags

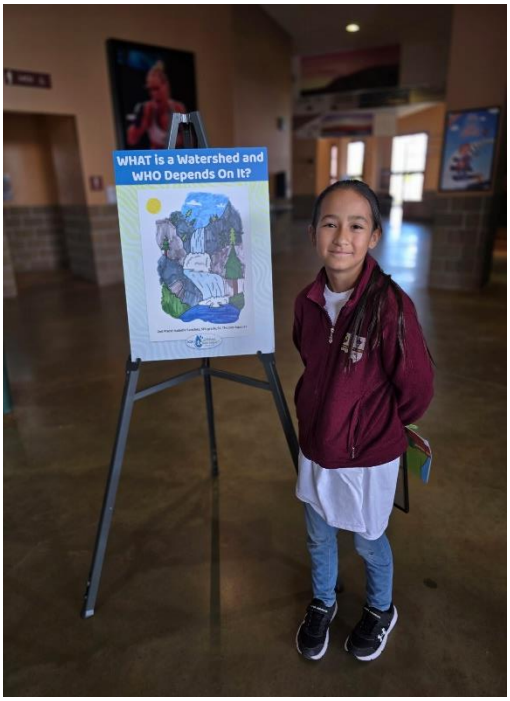
Rio Rancho Children's Water Festival Event

- 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

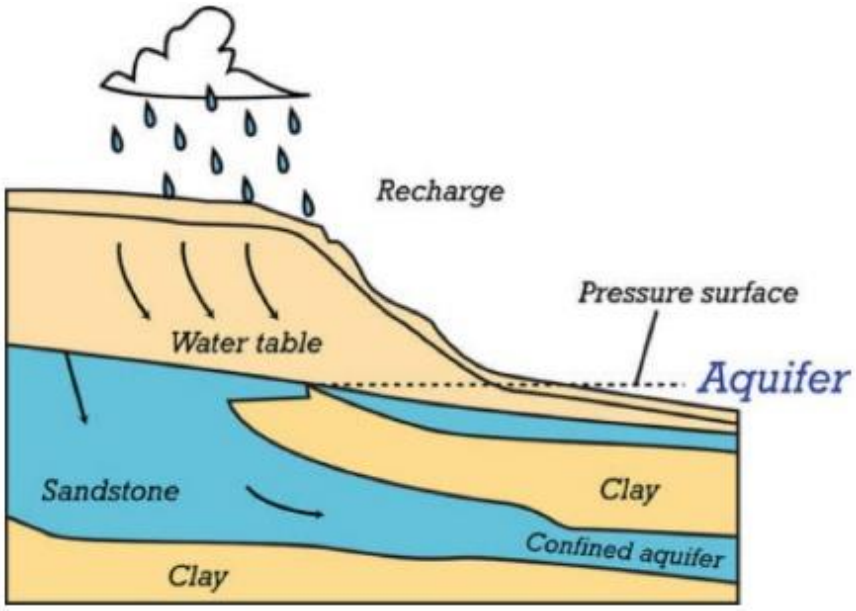
Appendix C

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

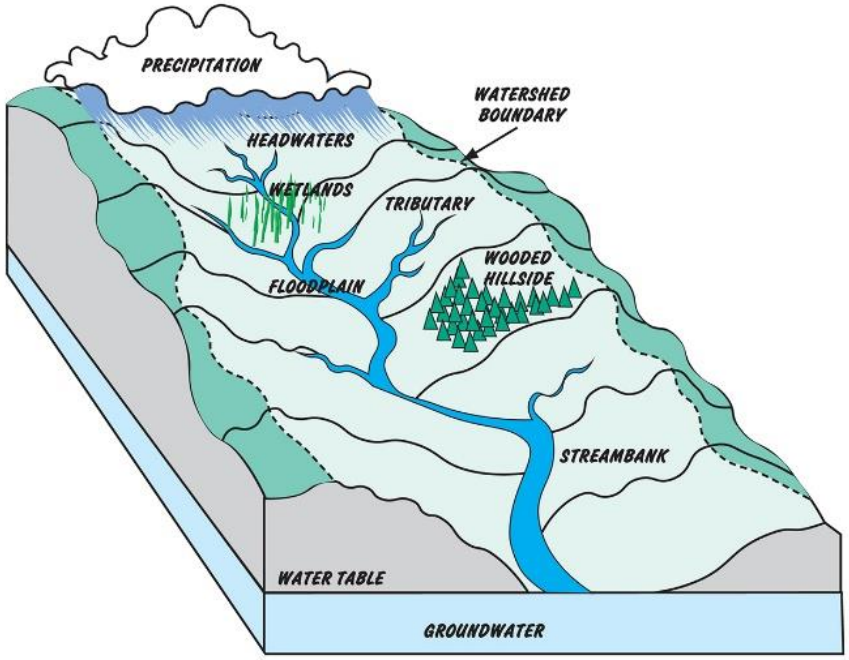
2. An **aquifer** is a layer of water-saturated porous rock. It lies below the water table. Most people who live in New Mexico get drinking water from a well drilled into an aquifer. If you live in Rio Rancho, is the water coming from your faucet from an aquifer?
   a) True
   b) False



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

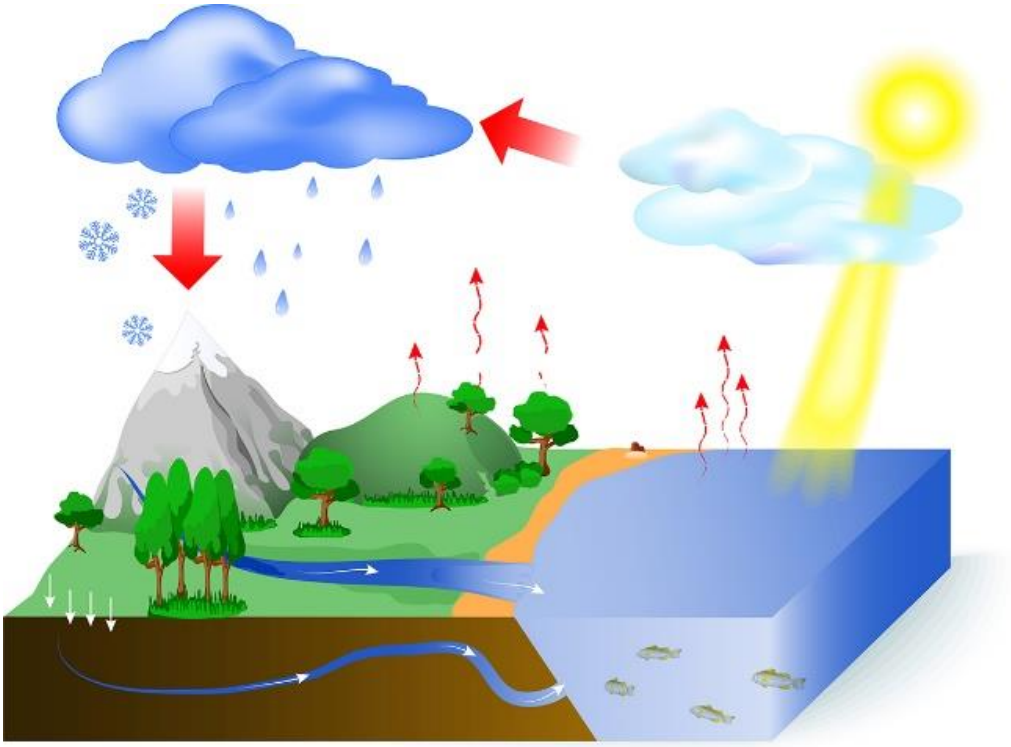
   d) All the above

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

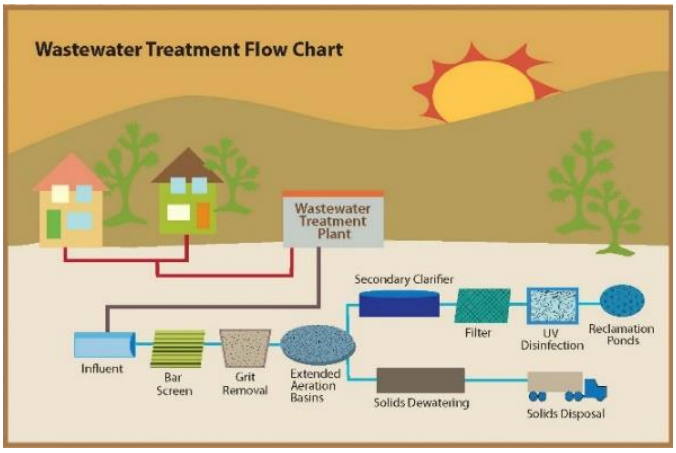
   b) Tell your parents when you see a leak

   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

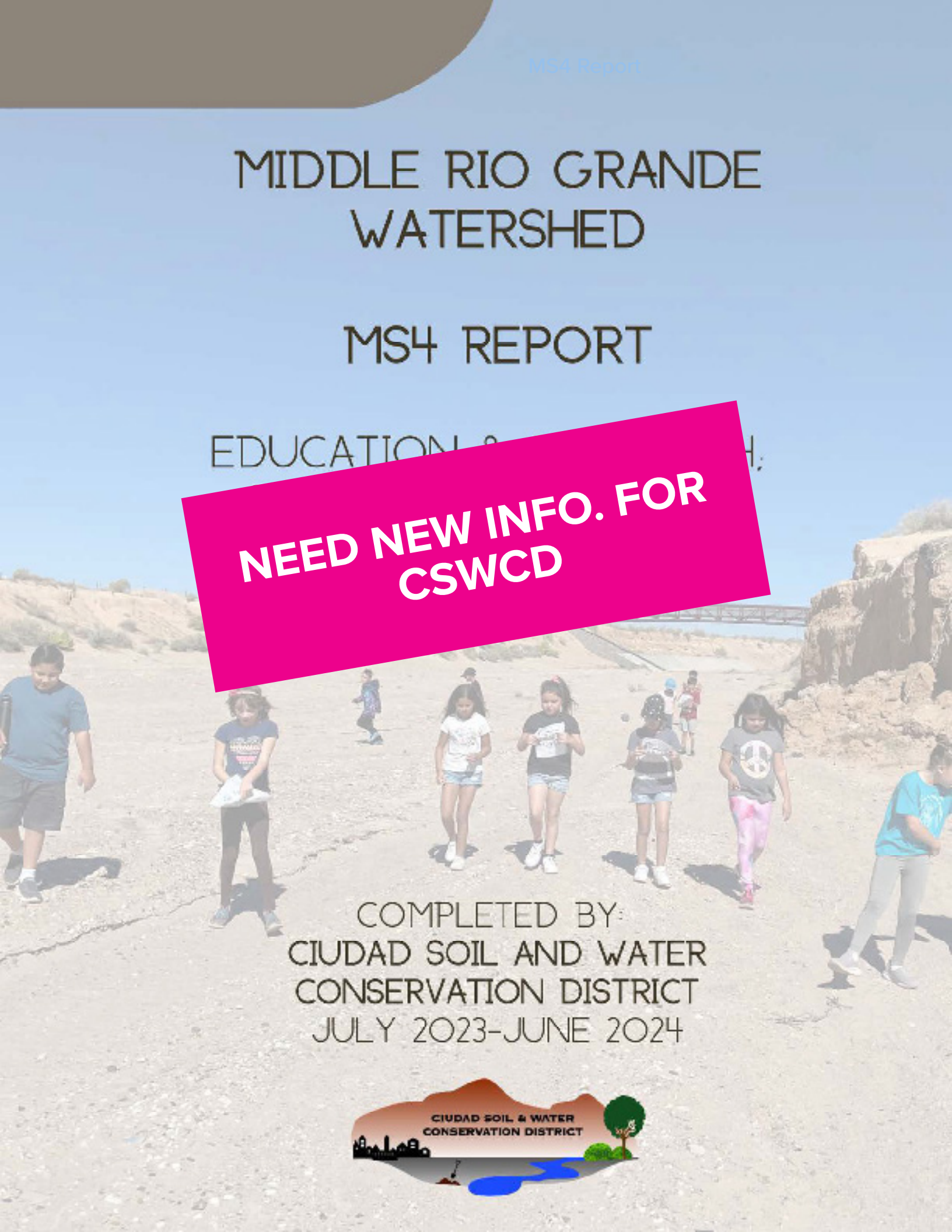
School	RRES	JHES	MCES	MLK		
Question	% of Correct Answers per School				% Average Correct Schools Combined	% Improvement
1	60%	72%	78%	76%	72%	**6%**
2	87%	72%	88%	100%	87%	**18%**
3	80%	67%	66%	82%	74%	**12%**
4	80%	63%	85%	94%	81%	**6%**
5	60%	81%	80%	100%	80%	**8%**
6	87%	74%	59%	82%	75%	**60%**
7	100%	95%	88%	100%	96%	**10%**
8	67%	70%	83%	76%	74%	**2%**

MIDDLE RIO GRANDE WATERSHED

MS4 REPORT

EDUCATION &

NEED NEW INFO. FOR CSWCD

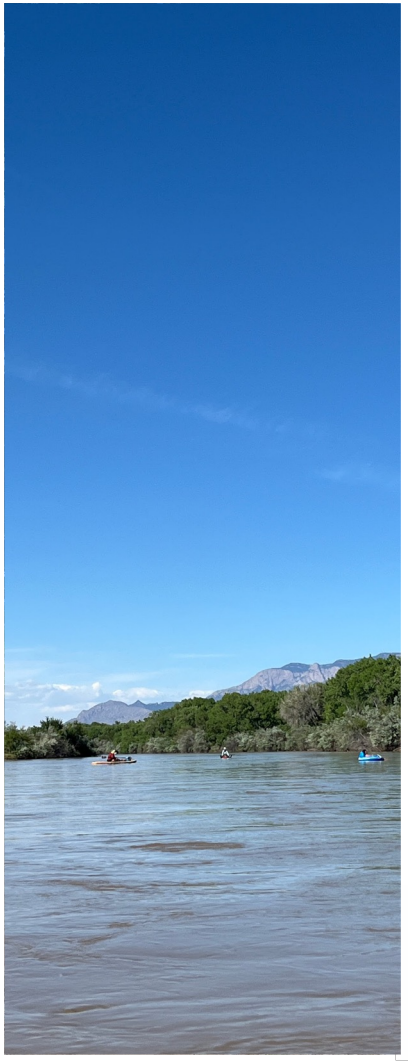


COMPLETED BY:
CIUDAD SOIL AND WATER CONSERVATION DISTRICT
JULY 2023-JUNE 2024

CIUDAD SOIL & WATER CONSERVATION DISTRICT







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

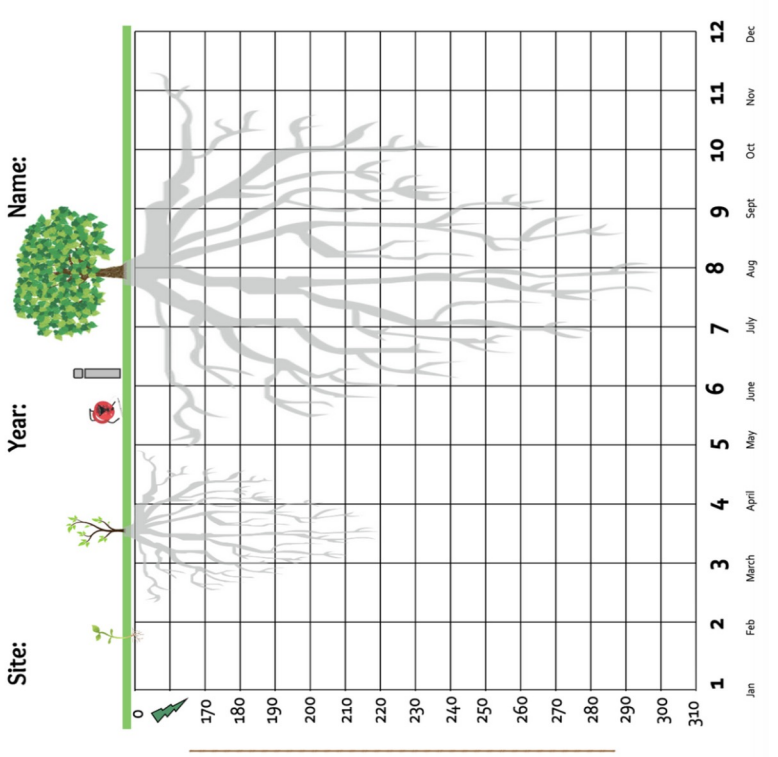
7th grade program

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:



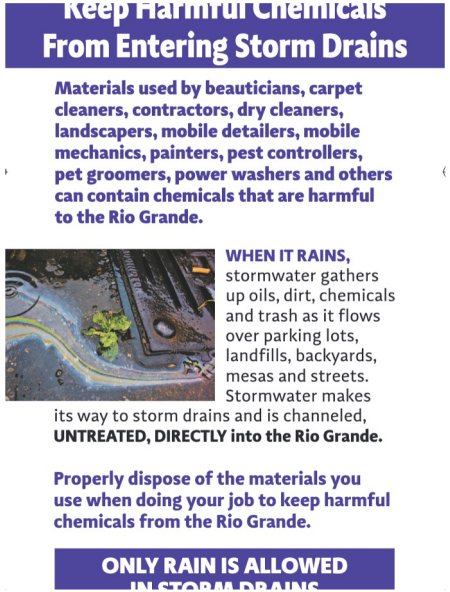


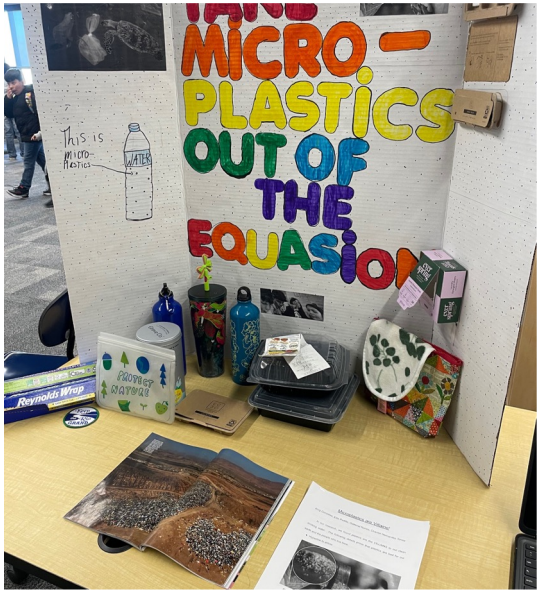


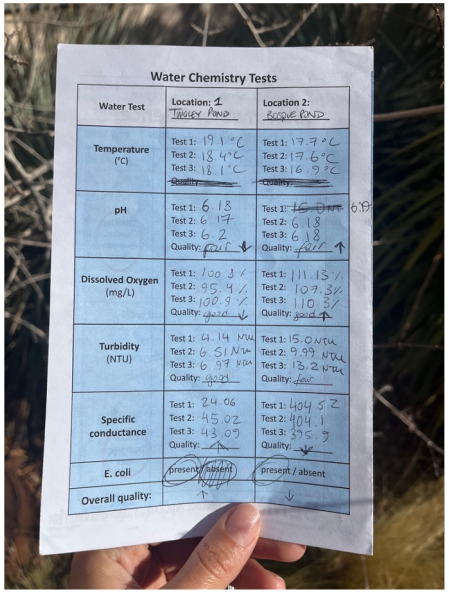


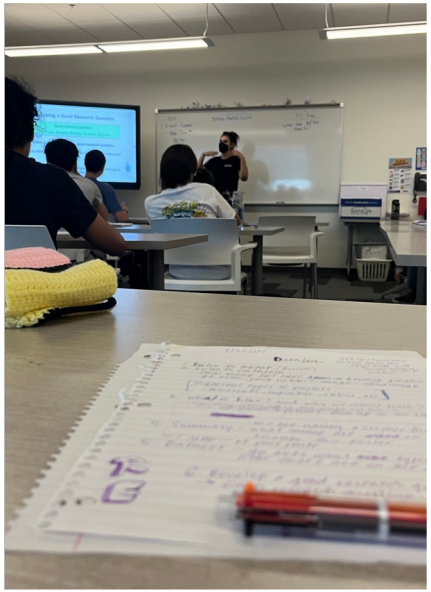
Events

Crawford Symposium, Luquillo Sevilleta LTER Symposium, Children's Water Festival





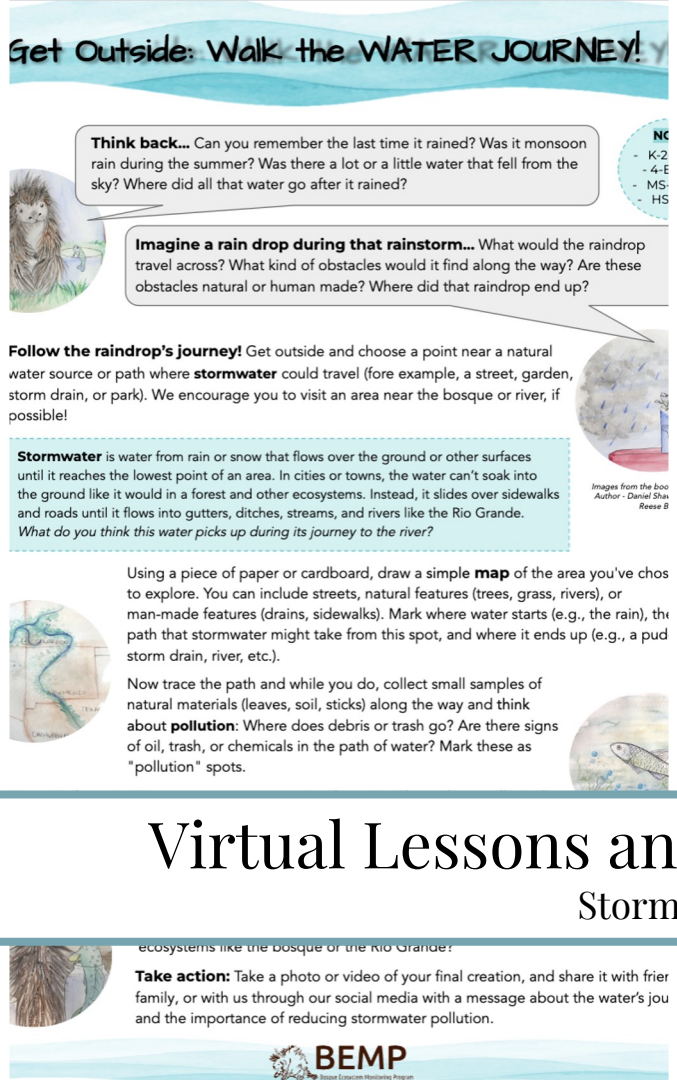


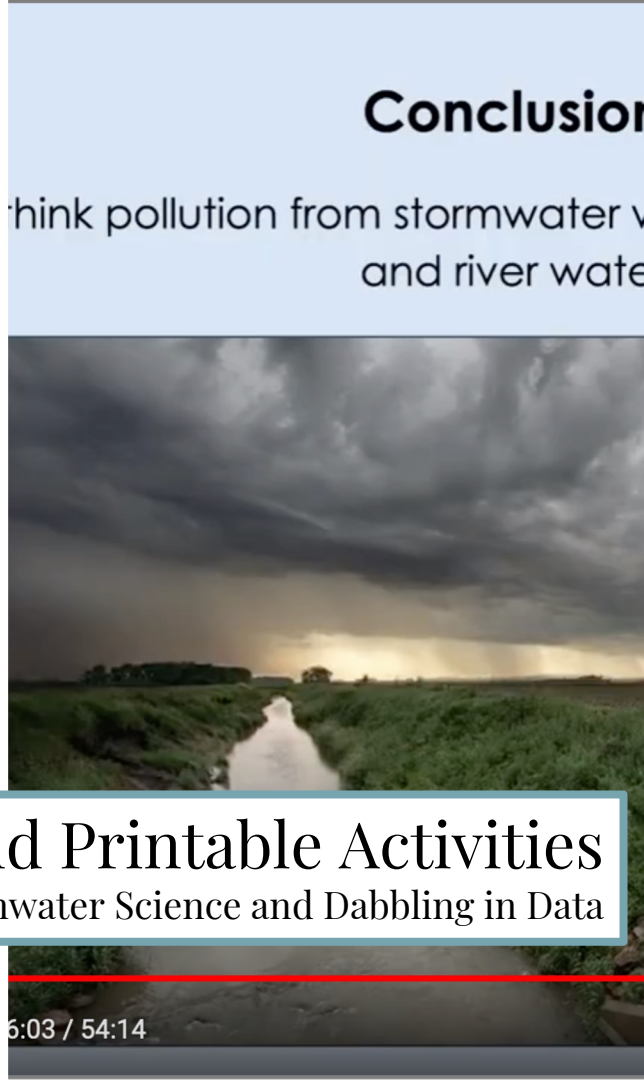


Asynchronous Learning

3,560 students served; 68,824 online contacts made







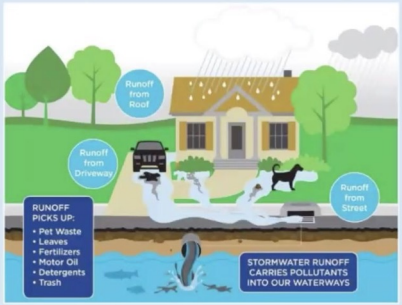
Virtual Lessons and Printable Activities

Stormwater Science and Dabbling in Data

Social Media and Youtube Videos

Background Information

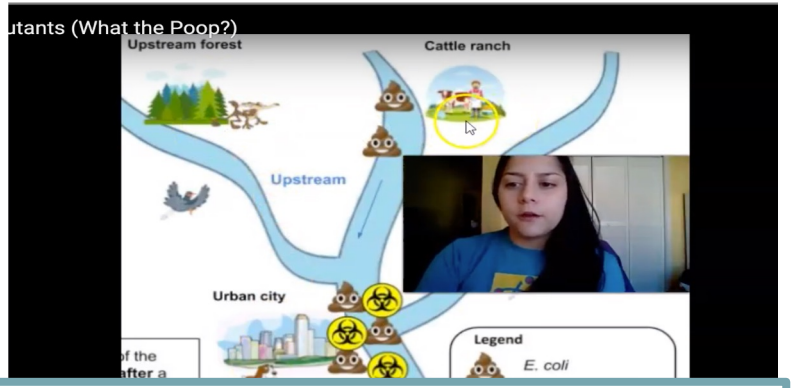
For this project we did tap water vs stormwater and how it affects the plants. We decided to do this because we were curious on how the plants Would react to stormwater, and if it will drastically change how to plant grows.



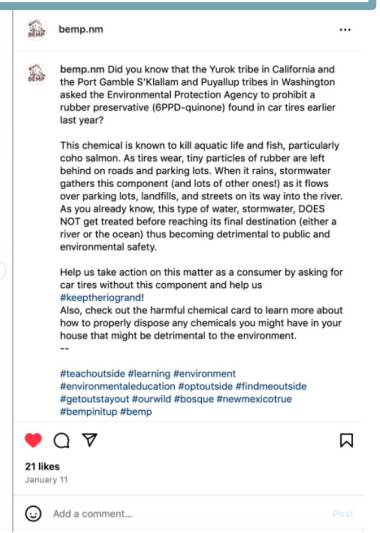
Para este proyecto analizamos el agua del grifo versus el agua de lluvia y

plantas al agua de lluvia y si cambiaría drásticamente la forma de crecer las plantas.









Watershed Education Collaboration Group



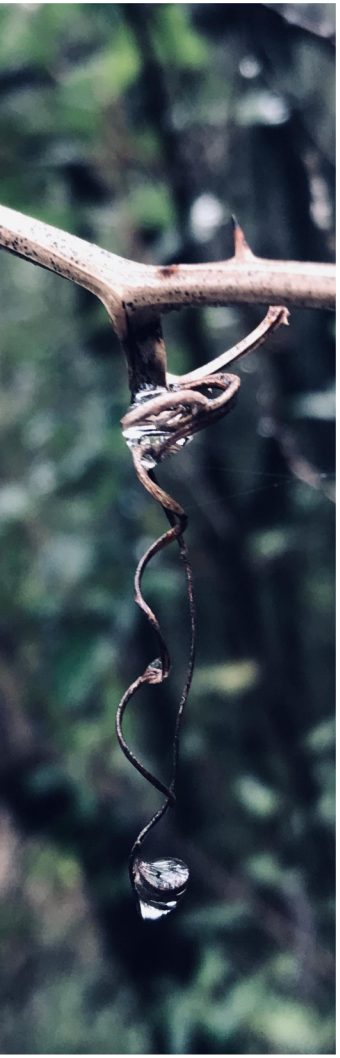




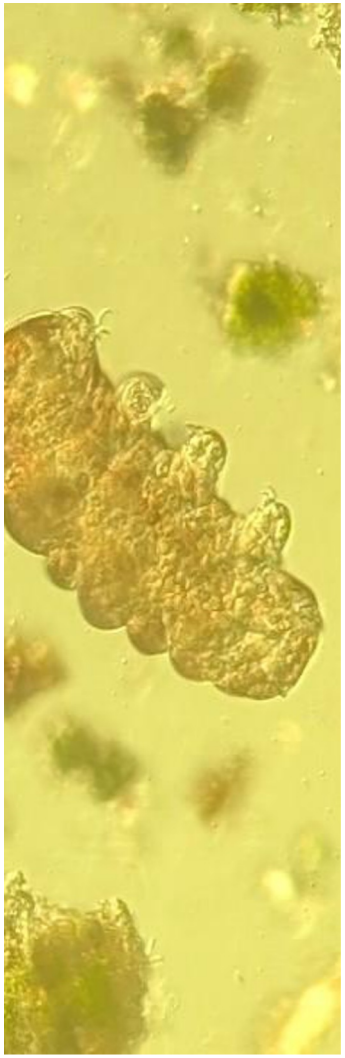
Connect our community by providing equitable access to watershed health *principles* and *education* by increasing awareness, scaffolding student learning and creating meaningful experiences to inspire a future generation.











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

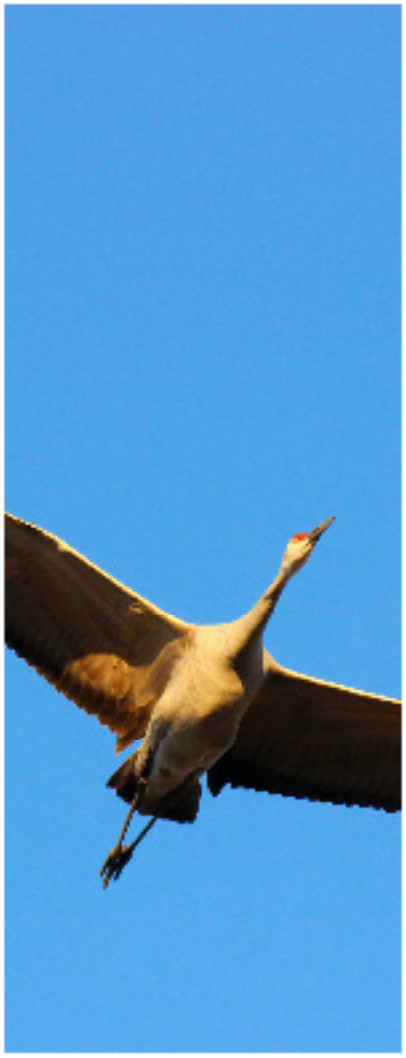
Partial funding of BEMP Educator/Biologist staff (curriculum development, prep, program delivery in classroom, field, summer, and monthly monitoring)	**$25,500**
Partial funding of BEMP Education Manager staff for program oversight education outreach events (planning and coordination)	**$3,240**
Transportation 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

ADD
BEMP MRGSQT Final Presentation 2024_19 pages.pdf







2023 - 2024 STORMWATER SCIENCE

BEMP • Zoe Wadkins Daniels
Education Director

Stormwater Quality Team

BEMP

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**

Middle Rio Grande Stormwater Quality Team
Annual Member
Cooperative Funding Agreement

This Cooperative Funding Agreement is made and entered into this 21st day of July, 2014, by and among the County of Bernalillo, the City of Albuquerque ("COA"), the Albuquerque Metropolitan Arroyo Flood Control Authority ("AMAFCA"), the New Mexico Department of Transportation ("NMDOT"), and the Southern Sandoval County Arroyo Flood Control Authority ("SSCAFCA"), all political subdivisions of the State of New Mexico (hereinafter collectively referred to as the "Storm Water Team"), and City of Rio Rancho (hereinafter referred to as "Annual Member").

WHEREAS, the Intergovernmental Agreement Regarding the Operation, Function, and Funding of the Storm Water Team, as amended by the First Amendment thereto dated January 22. 2014 ("Intergovernmental Agreement"), provides that potentially eligible MS4s may be added to the Team at any time on an annual basis as additional voting members, provided all requirements for membership have been fulfilled, including providing payment for the expected contribution; and

WHEREAS, the Storm Water Team wishes to add the Annual Member as an additional voting member to the Team on an annual basis; and

WHEREAS, the Annual Member wishes to be added to the Team as an additional voting member on an annual basis; and

WHEREAS, the Annual Member agrees to fulfill all requirements for membership, including providing payment for its expected annual contribution; and

NOW, THEREFORE, in consideration of the covenants and promises set forth herein, the Annual Member agrees as follows:

1. The Annual Member will be invoiced by the Storm Water Team for its annual contribution for Fiscal Year 2015 as tabulated below. The Annual Member agrees to pay the annual contribution to the Storm Water Team's fiscal agent within forty-five (45) days of the date of invoice. Failure to provide payment prior to the deadline will result in the Annual Member's membership being suspended as provided for in the Intergovernmental Agreement.

2. Upon payment of the annual contribution and fulfillment of any other requirements of membership, the Storm Water Team will update Attachment A, Contribution Schedule, and Attachment B, Annual Roster, to include the Annual Member.

3. The Annual Member agrees that by executing this Agreement it is subject to the requirements of the Intergovernmental Agreement as it may be amended from time to time, which is hereby incorporated by reference as if fully set forth herein. The Annual Member agrees to abide by the terms and conditions of the Intergovernmental Agreement as it may be amended from time to time.

4. This Agreement, including Annual Member's membership on the Team, shall be effective for the 2015 fiscal year. This Agreement may be extended beyond the initial fiscal year for additional one (1) year periods running concurrently with the fiscal year. Any extension must be completed in writing at the initiative of and authorization of AMAFCA, as the fiscal agent of the Storm Water Team, with concurrence of the Annual Member. All extensions are subject to the terms set forth herein, provided however, that the annual contribution for any subsequent years shall be established by the Storm Water Team in the Contribution Schedule, which shall be incorporated fully as if set forth herein.

5. The Annual Member's contact, designated voting member, and billing information is as follows:

Annual Member Entity:	City of Rio Rancho
Designated Voting Member:	Eugene Pettes 3200 Civic Center Circle NE Rio Rancho, NM 87144 505-891-5045 xpettes@rio-rancho.nm.us
Billing Instructions:	check
Expected Contribution:	$10,000.00

The Annual Member agrees to immediately notify the Storm Water Team and its fiscal agent in the event of any changes to the information listed herein.

Middle Rio Grande Stormwater Quality Team
Annual Member
Cooperative Funding Agreement

Date: 11/4/14

City of Rio Rancho

[Name, Title]

Keith Riesberg
City Manager

RioRancho
City of Vision

City of Rio Rancho

3200 Civic Center Circle NE
Rio Rancho, New Mexico 87144-4501
(505) 981-5005 • FAX (505) 891-0986

June 20, 2016

US EPA, Region 6
Compliance Assurance and Enforcement Division
Water Enforcement Branch (6EN-WC)
1445 Ross Avenue
Dallas, Texas 75202-2733

RE: Albuquerque Metropolitan Area Municipal Separate Storm Sewer System (MS4) Wet Weather Monitoring Site Certification, Permit No. NMR04A000

Per Table 10, Wet Weather Monitoring Program Implementation Schedules, enclosed as Attachment 2 in the letter from EPA Region 6 dated February 10, 2016, the City of Rio Rancho submits certification that the wet weather monitoring sites in the Middle Rio Grande are operational and ready for sampling. As a member of the Middle Rio Grande Stormwater MS4 Compliance Monitoring Cooperative, the City of Rio Rancho meets the criteria for a permittee with a cooperative program and qualifies for the cooperative deadline of June 21, 2016. Copies of the Intergovernmental Agreement and Cooperative Monitoring Plan are attached. Please contact Xavier Pettes by phone at 505-891-5045 or by email at xpettes@rrnm.gov if you have any questions regarding the agreement or plan.

CERTIFICATION STATEMENT

I, the undersigned, certify under penalty of law that this document, the Intergovernmental Agreement that creates the Middle Rio Grande Stormwater MS4 Compliance Monitoring Cooperative, was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

David Serrano, P.E.
Engineering Division Manager

6/20/2016
Date

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.

NOW, THEREFORE, BE IT AGREED THAT:

1. **PURPOSE.** The CMC will serve as the focal point for the development, execution, and, as needed, the amendment of the Monitoring Plan required as part of the MS4 Permit. The intent of the CMC is to attain and demonstrate permit compliance for member Co-permittees with respect to the provisions of the MS4 Permit. The Monitoring Plan will be developed cooperatively among the member Co-permittees of the CMC.

2. **ELIGIBILITY.** All Co-permittees specifically identified in the MS4 Permit are eligible to be members of the CMC.

3. **MEMBERSHIP.** The CMC will include as members all Co-permittees that have signed this Intergovernmental Agreement ("Members"). Members are expected to provide funding for the ongoing operations of the CMC and to contribute financially or materially to the benefit of the CMC, either from their own assets or through the securing of contributions from others. The Members shall elect a Chairman of the CMC. The Chairman shall be elected by a majority vote of the members.

4. **VOTING.** The CMC will be made up of one voting Member from each Co-permittee in good standing, which is defined as having paid their expected contribution, as defined in the Contribution Schedule included as Attachment 1. Attachment 1 shall be updated annually by the Fiscal Agent (See Paragraph 7) to reflect Members in good standing. Each Member will designate a staff person to represent the Member's interest on the CMC and to vote on that Member's behalf. Designation of a representative may be completed at any time and under any circumstances. Other/outside agencies may participate on the CMC by attending meetings and giving input; however, only the Members in good standing may vote on CMC decisions. Decisions of the CMC will be decided by majority vote of the Members in good standing. The CMC may take action during a meeting, by telephone, or by e-mail.

5. **TERM.** 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 Members to this Agreement.

6. **FISCAL MATTERS.** In the first Calendar Year of this Agreement, the CMC will meet to develop a budget based on the costs for implementing the Monitoring Plan for MS4 Permit compliance. To ensure sufficient funding is available to carry out the Monitoring Plan, the budget shall equal 110% of the estimated costs associated with the Monitoring Plan, including estimated contingencies. In subsequent years, the budget will be based on the actual expenditures from the prior year's monitoring activities plus any reasonable increases identified by the CMC. Each Member shall commit funding to the CMC based on the Contribution Schedule established for that year, which Contribution Schedule shall be in a total amount of not less than the budgeted costs. In-kind contributions shall be permitted in lieu of all or a portion of 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 one hundred twenty (120) days of the date of the invoice. Failure to pay invoices within 120 days of

the date of the invoice shall deem the Member not in good standing status until payment is made in full. Invoices will be sent to CMC Member entities listed in Attachment 1.

9. **PARTICIPATION.** It is intended that the CMC's operation and function described in this Agreement are ongoing, subject to continued support and authorized funding by each of the Members. Each Member has the option to not participate in this Agreement in the future by sending written notice to all the other participating Members twelve (12) months prior to the Member's proposed withdrawal. This time requirement is made so that all Member Co-permittees will have the opportunity to update their Storm Water Management Plans (SWMP) to reflect the change in status of the cooperative sampling effort and obtain EPA's concurrence on the amended SWMP. In such an event, the terminating Member 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 Members.

10. **OUTSIDE CONTRIBUTIONS.** The CMC may accept contributions from outside funding sources, to be used to support the CMC's mission. Such contributions shall not establish any voting privileges on the CMC, which privileges are reserved exclusively to eligible Members. Outside contributions shall be supplementary to the Contribution Schedule, and no Member's contribution shall be reduced based on receipt of any outside contributions except upon adoption of an amended Contribution Schedule by the Members.

11. **CONTRACTING.** Each Member agrees that a variety of contractors (e.g. sample collection, laboratory, sample results interpretation, geotechnical, etc.) may need to be hired in accordance with the State Procurement Code, in advance of any contractor taking any actions on behalf of the CMC. No contractor shall be an employee of either the Fiscal Agent or any Member of this Agreement. Responsibilities of the contractor shall be included in any resulting contract and the contractor shall only be authorized to provide approved services determined to help Member Co-permittees comply with the provisions of the MS4 permit. For procurement purposes, the CMC will form a Selection Advisory Committee ("SAC"), composed of representatives from Members in good standing. Each Member in good standing will have one representative on the SAC for the RFP process. The SAC will rank proposals and recommend the top three respondents to the Fiscal Agent for selection through the Fiscal Agent's existing procurement selection process. Upon approval, the Fiscal Agent will negotiate an agreement with the selected contractor. The CMC will provide input on scope and fees; however, final negotiations and approval will be the Fiscal Agent's responsibility. If contractor services are obtained using the procurement process set forth in this paragraph, then, with concurrence of the other members of the CMC, funds collected as part of the CMC group may be used to pay that contractor directly for services associated with execution of the monitoring plan. 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 but shall be deemed third party beneficiary hereunder.

12. **ALTERNATIVE CONTRACTING.** As an alternative contracting process, and in order to leverage existing and future contracts between Contractors and Members in good 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.

18. **NO RIGHTS CREATED.** It is specifically agreed among the Members 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, and does not authorize anyone not a Member of this Agreement to maintain a suit for wrongful death or any other claim whatsoever.

19. **LIABILITY.** As among the Members, 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 Member, its officials, agents, contractors or employees pursuant to this Agreement. Liabilities of each Member shall be subject to the immunities and limitation of the New Mexico Tort Claims Act, §§41-4-1, et seq., NMSA, 1978, and any amendments thereto. By entering into this Agreement, all public agencies 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.

20. **AMENDMENT.** This Agreement may only be altered or amended upon written approval by a majority of the CMC Members.

21. **DATE OF EFFECTIVENESS.** Regardless of the date when this Agreement is signed by each Permittee, this agreement shall not become effective for each Permittee until that Permittee has received official notification from the Environmental Protection Agency that they have received coverage under NPDES General Permit No. NMR04A000.

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

ATTACHMENT I

CONTRIBUTION SCHEDULE

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	

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 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 each entity to remain aware of the requirements in the MS4 Permit and facilitating 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 expenditure of funds 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.

.

NOTE: Each approving entity would have a separate signature page

City of Rio Rancho

Approved as to Form:

City Attorney

Date: 10/1/13

Recommended By:

Dolores Wood, Director

Date: 11.4.13

Approved By:

Keith Riesberg, City Manager

Date: 11/1/13

City of Rio Rancho
3200 Civic Center Circle NE
Rio Rancho, New Mexico 87144-4501
(505) 981-5005 • FAX (505) 981-5203

December 19, 2015

SENT VIA EMAIL

Ms. Nelly Smith
Municipal Stormwater Coordinator
EPA Region 6
Permits and Technical Assistance Section
1445 Ross Ave., Suite 1200
Dallas, TX 75202

Re: NPDES General Permit No. NMR04A000 - Proposed Monitoring Plan

Dear Ms. Smith,

Please consider the attached document as City of Rio Rancho's formal submittal of our proposed monitoring plan for NPDES General Permit No. NMR04A000. This submittal is being made in response to Part III.A.1.b., Cooperative Monitoring. The proposed cooperative monitoring agreement includes the following entities:

1. City of Albuquerque
2. City of Rio Rancho
3. Albuquerque Metropolitan Arroyo Flood Control Authority (AMAFCA)
4. Eastern Sandoval County Arroyo Flood Control Authority (ESCAFCA)
5. Southern Sandoval County Arroyo Flood Control Authority (SSCAFCA)
6. New Mexico Department of Transportation (NMDOT)
7. University of New Mexico (UNM)
8. Village of Corrales
9. Village of Los Ranchos de Albuquerque
10. Town of Bernalillo
11. Bernalillo County
12. Sandoval County

The above listed entities are currently negotiating the Cooperative Agreement for cost sharing. Upon completion of the Cooperative Agreement, the final membership of the agreement will be reported to the EPA and New Mexico Environment Department.

Should you require any further information, please feel free to contact Xavier Pettes at xpettes@rrnm.gov or at 505-891-5045.

Sincerely,

David Serrano, PE
Engineering Division Manager

Enclosure: Cooperative Monitoring Plan
Sampling Location Map

Cc: Sarah Holcomb, New Mexico Environment Department

City of Rio Rancho
Cooperative Monitoring Plan – MS4 Watershed-based permit
December 17, 2015

Sampling must be conducted at a minimum of seven (7) events per sampling location during the permit term with at least three (3) events in the wet season and two (2) events in the dry season. Seasonal monitoring periods are the Wet Season: July 1 – October 31 and Dry Season: November 1 – June 30. Monitoring methodology for both seasons will consist of collecting a minimum of four grab samples spaced at a minimum interval of 15 minutes each. Individual grab samples for each sampling location, will be preserved and combined into a single composite sample at the laboratory.

Qualifying Storm Event

Due to the nature of rainfall in the middle Rio Grande Valley, the MS4s are proposing that a qualifying event be defined as a 0.25-inch or greater storm anywhere in the watershed that creates a discharge to the Rio Grande. Additionally, no antecedent dry period will be required in order to ensure that a sufficient number of qualifying events are available for sampling.

In order to determine whether or not a qualifying storm event has occurred, the MS4s may use a variety of different data sources for representative locations within the watershed to identify the qualifying storm event. Sources for determining a qualifying storm event may include, CoCoRahs, wundermap.com data, calibrated National Weather Service radar, and/or USGS weather data based on rainfall measurements taken within the watershed.

Wet Weather Monitoring (Wet Season: July 1 – October 31/Dry Season: November 1 – June 30)

Wet weather monitoring gathers information on the response from the receiving waters to wet weather discharges. The following parameters must be sampled: TSS, TDS, COD, BOD5, DO, TPH/oil, E.coli, pH, total kjeldahl nitrogen, nitrate plus nitrite, dissolved phosphorus, ammonia plus organic nitrogen, phosphorus, PCBs and gross alpha. DO, pH, conductivity, and temperature must be analyzed in the field within 15 minutes of sample collection.

Sampling Locations

Rio Grande (NORTH)- In stream sampling within the Rio Grande will be performed upstream of the Angostura Diversion Dam at the north end of the water shed (upstream or background)..

Rio Grande (SOUTH) – In stream sampling within the Rio Grande will be performed at the Isleta Bridge at the south end of the watershed and downstream of all inputs from the Urban Area to the river to provide the downstream water conditions.

These locations have been identified and are proposed to meet the permit requirements as identified in Part III.A. These up and down stream sample locations capture all inputs to the river within the Urbanized Area. See Attachment 1 for a map of sampling locations.

Sample Collection

The greatest difficulty the MS4s will have in sample collection are the logistics for collecting the sample(s) and getting them to the laboratory within the required holding time limitations for each sample type, particularly E.coli. In order to expedite this process, the MS4s are proposing the following actions:

1. On days where rainfall in excess of the qualifying storm event are predicted to take place within a timeframe where an in-stream sample can be collected and delivered to the laboratory in time to meet holding time requirements, the upstream sample (Angostura Diversion Dam) will be collected by noon (12:00 PM) on the day of the predicted event.
2. After collection of the upstream samples, the e-coli sample will be submitted to the laboratory for analysis and the remaining samples will be preserved as required and held until the determination can be made regarding whether or not there is a Qualifying Storm Event.
3. When a Qualifying Storm Event is anticipated within the watershed, a river staging timing methodology will be used to identify the proper time for the sample to be taken from the downstream location(s) per Table 1. For example, if it typically takes one hour for water from the North Diversion Channel to reach the Isleta Bridge sampling location, then the sample will be taken one hour after the discharge from the NDC has occurred.
4. Upon collection of the downstream sample(s) from the Isleta Bridge location, the e-coli sample(s) will be taken to a laboratory for analysis and the balance of the samples will be preserved, as required, and held until the determination can be made regarding whether or not there is a Qualifying Storm Event.
5. In the event that a Qualifying Storm Event is NOT recorded, all non-e-coli samples will be dumped and not analyzed. In the event a Qualifying Storm Event is recorded, samples (upstream and downstream) will be submitted to a laboratory for analysis.

During sample collection, the sampler shall maintain a log book recording the site conditions at the time of sampling, actions taken to collect the samples, and any other pertinent information that may be relevant to the sample event. All collected samples shall have a chain-of-custody form associated with each sample container. This chain-of-custody form shall be maintained by the sampler until the sample is delivered to the laboratory for analysis. Greater detail will be contained in the Quality Assurance Program Plan (QAPP) that will be developed for this plan.

Example CoCoRaHS Rain Gages and Assumed Travel Times for Sampling Stormwater Events in Watershed						
Zonal Segments of River (north to south travel times)		Western Side of Watershed (west to east travel times)		Rio Grande	Eastern Side of Watershed (east to west travel times)	
		3 hours -->	1.5 hours -->	<-- <-- <-- <-- <--	<-- 20 min.	<-- 40 min.
7.4 hours	Rio Grande at Angostura to Rio Grande at Alameda	NM-SN-59	NM-SN-70		N/A	N/A
4.4 hours	Rio Grande at Alameda to Rio Grande at Central	NM-BR-113	NM-BR-144		NM-BR-71	NM-BR-162
5.2 hours	Rio Grande at Central to Rio Grande at Isleta 147 Bridge	NM-BR-159	NM-BR-104		NM-BR-150	NM-BR-41

TABLE 1 – HYDROGRAPH TIMING FOR RAIN EVENTS TO SOUTHERN SAMPLING POINT

Rainfall information associated with the above Station Numbers can be obtained from the Community Collaborative Rain, Hail and Snow Network website (www.cocorahs.org). The Station Numbers provided in the table are for representative purposes only. The actual CoCoRaHS rainfall data utilized to confirm a Qualifying Event will be from the appropriate zone in the watershed but may not be from the exact Station Number listed in the table.

Response to Monitoring Results

In the event of an exceedance, the MS4 Sampling cooperative will examine all meteorological and stream gauge data available and correlate rainfall event/timing with sampling timing to determine the most likely source location and discharge point to the river. Once the most likely source location has been determined, MS4s will cooperatively develop a pollutant-specific response plan whose elements may include a review of land use for potential sources of the specific pollutant exceeded or enhanced public outreach and education to specific user or industry groups.

In the event of rainfall in the same distribution as the storm event associated with the exceedance, additional sampling may be conducted to monitor for potential sources, if appropriate. Only the constituent(s) identified in the exceedance will be analyzed.

Sample Collector Training Requirements

Any person collecting samples for compliance purposes shall be trained in the proper technique for collecting stormwater samples. Experience in the collection of stormwater samples may be

considered in lieu of receiving formal training in sampling requirements. Greater detail will be contained in the QAPP that will be developed for this plan.

Sample Analysis

After a sample collection event has been performed, the validity of the qualifying storm event must be determined before the samples can be counted as an official sample event. However, since the holding time for the E.coli is so short, the MS4s are proposing analyzing the E.coli samples prior to determining the validity of the storm event as a qualifying storm event. The balance of the samples will be held until the determination of the storm event as qualifying can be made. In the event that the storm event is deemed qualifying, the remaining samples will be run for the required parameters. If an event is deemed by an analysis of rainfall data to be non-qualifying, the results from the E.coli samples will be kept but not reported as part of the official sampling event for permit compliance and the preserved samples will be appropriately discarded without analysis.

Field obtained results (D.O., pH, and temperature) will be handled in a similar fashion as E.coli sampling results. In the event the storm is deemed qualifying during the review of rainfall data, the results from these field obtained measurements will be reported with the balance of the sample results. If the storm event is deemed non-qualifying, these results will be kept but not reported for permit compliance.

QAPP

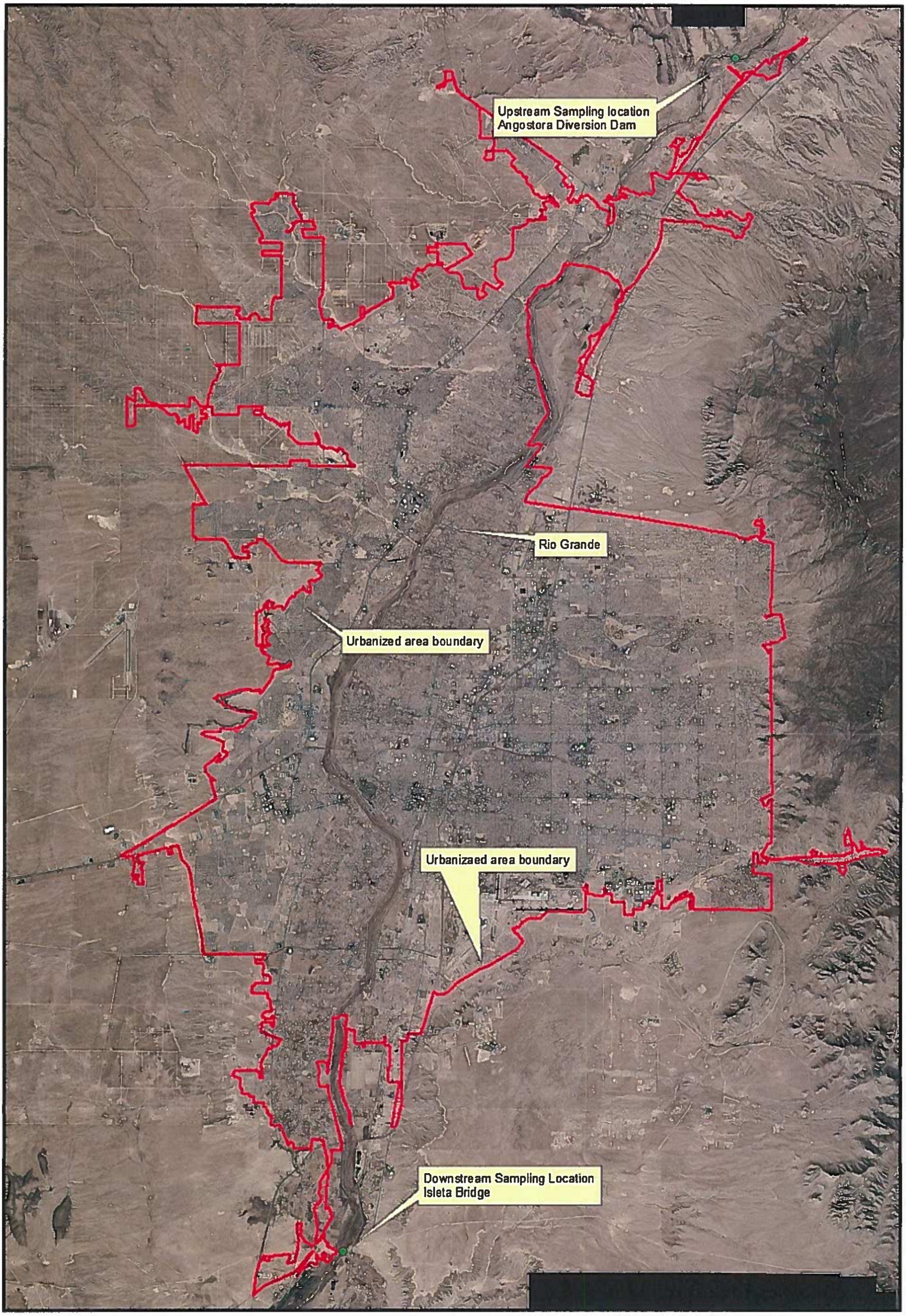
All sampling collection and analysis shall conform to the QAPP to be developed for the sampling program in accordance with Part III.A.5.b and III.Q. of the permit and the methods specified at 40 CRF §136.

Monitoring Records

A QAPP will be developed, conforming to Part III.P requirements.

Permittees Cooperating in Monitoring Program

City of Albuquerque
Albuquerque Metropolitan Arroyo Flood Control Authority (AMAFCA)
University of New Mexico (UNM)
New Mexico Department of Transportation (NMDOT)
Bernalillo County
Sandoval County
Village of Corrales
City of Rio Rancho
Los Ranchos de Albuquerque
Town of Bernalillo
Eastern Sandoval County Arroyo Flood Control Authority
Southern Sandoval County Arroyo Flood Control Authority



1 inch = 2.367424 miles

Miles
0 1 2

N

WSB MS4 Sampling Locations

Southern Sandoval County
Arroyo Flood Control Authority

Date: November 13, 2015

Attachment 1

Path: Q:\Environmental_Services\MS4\Sampling\Sampling map 11-13-15 - whole area.mxd

RioRancho
City of Vision

City of Rio Rancho

3200 Civic Center Circle NE
Rio Rancho, New Mexico 87144-4501
(505) 981-5002 • FAX (505) 981-7274

August 15, 2017

Mr. Jerry Lovato, Executive Engineer
Albuquerque Metropolitan Arroyo Flood Control Authority
2600 Prospect Ave NE
Albuquerque, NM 87107

RE: Memorandum of Understanding for Delegation of Authority for Data Entry into NetDMR System

Dear Mr. Lovato,

As you are aware, twelve permittees covered under the Middle Rio Grande Watershed Based Municipal Separate Storm Sewer System (MS4) General Permit (NPDES No. NMR04A000) have entered into a cooperative agreement for the performance of permit-mandated water quality monitoring. Currently, results from the samples taken during monitoring events are shared among the twelve members of the Compliance Monitoring Cooperative (CMC) and must be entered by each entity into the Network Discharge Monitoring Report (NetDMR) database individually, creating twelve identical (barring typos or other data entry error) records. This is clearly inefficient, at best.

Following discussions between the CMC and the Environmental Protection Agency (EPA), EPA has approved a methodology whereby one member of the CMC will enter data in NetDMR on behalf of any other CMC-member entity. Each CMC-member entity that wishes to participate will delegate authority to the data entry CMC-member entity or their designed contractor, for this purpose. We appreciate Albuquerque Metropolitan Arroyo Flood Control Authority (AMAFCA) volunteering to be the data entry CMC entity on behalf of the CMC.

Therefore, the City of Rio Rancho, Permit Tracking No. NMR04A007, hereby delegates authority for data entry and approval of sampling results into NetDMR to AMAFCA for the purposes of compliance with MS4 General Permit requirements. Please provide us notification, via email, of the completion of data entry for our records.

In the event that AMAFCA becomes unable to perform this function on behalf of the City of Rio Rancho, please notify me a minimum of 60 days prior to the deadline, or by December 1st, for data entry in order to perform this function internally.

Please contact Xavier Pettes via email at xpettes@rrnm.gov or phone at (505)891-5045 if you have questions or concerns regarding this memorandum. Thank you again for your willingness to perform this function on behalf of the membership of the CMC.

Requested
Keith Riesberg
City Manager, City of Rio Rancho

Acknowledged and Accepted
Jerry Lovato, P.E.
Executive Director, AMAFCA

Section 7	Public Review and Comment
	7.1 Public Comment

Public Review and Comment Period

The City of Rio Rancho published a public notice announcing the draft 2024-2025 Annual Report in the *Rio Rancho Observer* on October 5 and 12, 2025. A copy of the draft annual report was made available for review and comment at Rio Rancho City Hall, Development Service Department. The comment period closed on November 30, 2025. The City of Rio Rancho did not receive comments from individuals or organizations during the 45-day comment period.

NPDES Stormwater Program Website

The City of Rio Rancho continues to update and provide information on its NPDES Stormwater Program website. The draft annual report for the 2024-2025 reporting period was made available from September 30, 2025, through November 30, 2025.

https://www.rrnm.gov/2184/NPDES-Stormwater-Program

City of Vision

CITY OF RIO RANCHO PUBLIC HEARING NOTICE

The City of Rio Rancho has prepared its 2024-2025 Municipal Separate Storm Sewer System (MS4) Annual Report describing activities conducted and accomplishments made by the City pursuant to Environmental Protection Agency (EPA) MS4 Permit issued December 22, 2014, NPDES Permit No. NMR04A000 (administratively continued December 2019). The draft Annual Report is available for public review and comment prior to submission to U.S. EPA, Region 6 during regular business hours at Rio Rancho City Hall, 3200 Civic Center Circle NE, Suite 130, Rio Rancho, NM 87144. The draft Annual Report is also available online at https://rrnm.gov/2184/NPDES-Stormwater-Program. Individuals wishing to comment on the Annual Report should submit written comments within 45 days from the date of this notice to: City of Rio Rancho, Development Services Department, Attn. Stormwater Program, 3200 Civic Center Circle NE, Suite 130, Rio Rancho, NM 87144.

Observer: October 5, 12, 2025

Section 8	Signature on Certification of Annual Reports
	8.1 Letter of Delegation

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City of Rio Rancho

3200 Civic Center Circle NE
Rio Rancho, New Mexico 87144
(505) 981-5005 • FAX (505) 981-0986

"Director"
US EPA Region 6
1445 Ross Ave., Suite 1200 (6EN-WT)
Dallas, TX 75202-2733

NPDES Permit No. NMR04A000
Delegating an "Authorized Representative" for the City of Rio Rancho

Dear Director:

This letter serves to designate either a person or specifically described position as an authorized person for signing reports, storm water pollution prevention plans, certifications or other information requested by the Director or required by the permit. This authorization cannot be used for signing an NPDES permit application (e.g. Notice of Intent (NOI)) in accordance with 40 CFR 122.22. The following person or position is herby authorized to sign reports, storm water pollution prevention plans or certifications other than the NOI application:

Name: David Serrano, P.E. Position: Deputy Director

By signing this authorization, I confirm that I meet the following requirements to make such a designation as set forth in Part IV.H.1-4 of the Municipal Separate Storm Sewer System Permit [79 Fed Reg 76328] effective December 22, 2014.

> *For a municipality, State, Federal or other public agency: by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes (1) the chief executive officer of the agency, or (2) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g. Regional Administrators of EPA).*

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

	City Manager	19-Sept-2022
Matt Geisel	Title	Date