

**NPDES PERMIT No.
NMR04A000**

FY 2024

MS4 ANNUAL REPORT

FOR

**ALBUQUERQUE METROPOLITAN ARROYO
FLOOD CONTROL AUTHORITY**

DRAFT

OCTOBER 11, 2024



**2600 PROSPECT AVENUE NE
ALBUQUERQUE, NM 87107
(505) 884-2215**



NPDES Permit No. NMR04A000
Draft AMAFCA FY 2024 MS4 Annual Report
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Annual Report Format



National Pollutant Discharge Elimination System Stormwater Program MS4 Annual Report Form



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

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

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

1. MS4(s) Information

Albuquerque Metropolitan Arroyo Flood Control Authority (AMAFCA)

Name of MS4

Kevin

Troutman

Executive Director

Name of Contact Person (First)

(Last)

(Title)

505-884-2215

KTroutman@amafca.org

Telephone (including area code)

E-mail

2600 Prospect Ave. NE

Mailing Address

Albuquerque

NM

87107

City

State

ZIP code

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

NPDES number NMR04A016

What is the reporting period for this report? (mm/dd/yyyy) From 07/01/2023 to 06/30/2024

2. Water Quality Priorities

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

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

| Impaired Water | Impairment | Approved TMDL | TMDL assigns WLA to MS4 |
|--------------------------------|------------------------------|---|---|
| Rio Grande (Isleta -Tijeras) | E. coli | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Rio Grande (Isleta -Tijeras) | DO, PCBs & Hg-Fish Consumpti | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Rio Grande (Tijeras - Alameda) | DO & Temperature | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Rio Grande (Tijeras - Alameda) | PCBs & Hg-Fish Consumption A | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No |

2. B. Continued

| Impaired Water | Impairment | Approved TMDL | | TMDL assigns WLA to MS4 | |
|--------------------------------|------------------------------|---|--|---|-----------------------------|
| Rio Grande (Tijeras - Alameda) | E. coli | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Rio Grande (Alameda - US550) | PCBs & Hg-Fish Consumption A | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| Rio Grande (Alameda - US550) | Gross Alpha, adjusted & PCBs | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| Rio Grande (Alameda - US550) | E. coli | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |

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

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

- D. Do you discharge to any high-quality waters (e.g., Tier 2, Tier 3, outstanding natural resource waters, or other state or federal designation)? Yes No
- E. Are you implementing additional specific provisions to ensure their continued integrity? Yes No

3. Public Education and Public Participation

- A. Is your public education program targeting specific pollutants and sources of those pollutants? Yes No
- B. If yes, what are the specific sources and/or pollutants addressed by your public education program?

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

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

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

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

4. Construction

- A. Do you have an ordinance or other regulatory mechanism stipulating:
 - Erosion and sediment control requirements? Yes No
 - Other construction waste control requirements? Yes No
 - Requirement to submit construction plans for review? Yes No
 - MS4 enforcement authority? Yes No
- B. Do you have written procedures for:
 - Reviewing construction plans? Yes No
 - Performing inspections? Yes No
 - Responding to violations? Yes No

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

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

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

Inspections complied with CGP requirements for inspection frequency.

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

If Yes, based on what criteria?

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

Yes Notice of violation No Authority

Yes Administrative fines No Authority

Yes Stop Work Orders No Authority

Yes Civil penalties No Authority

Yes Criminal actions No Authority

Yes Administrative orders No Authority

Yes Other

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?

J. How often do municipal employees receive training on the construction program?

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.

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?

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?

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

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?

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

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

6. Stormwater Management for Municipal Operations

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

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

Other

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

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

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

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

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

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

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

I. If so, how frequently and/or under what circumstances?

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?

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.)?

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.

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

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

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

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

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

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

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

N. 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?

8. Program Resources

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

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

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: | <input type="text" value="Mill Levy Property Taxes"/> | Amount \$ | <input type="text"/> | OR % | <input type="text" value="100"/> |
| Source: | <input type="text"/> | Amount \$ | <input type="text"/> | OR % | <input type="text"/> |
| Source: | <input type="text"/> | Amount \$ | <input type="text"/> | OR % | <input type="text"/> |

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)?

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

| Entity | Activity/Task/Responsibility | Your Oversight/Accountability Mechanism |
|--------------------------------------|--|---|
| <input type="text" value="Various"/> | <input type="text" value="Storm Water Quality Team (SWQT)"/> | <input type="text" value="Signed Joint Agreement"/> |
| <input type="text" value="Various"/> | <input type="text" value="Technical Advisory Group (TAG)"/> | <input type="text" value="Signed Joint Agreement"/> |
| <input type="text" value="Various"/> | <input type="text" value="Compliance Monitoring Coop. (CMC)"/> | <input type="text" value="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 |
|--|-----------------------------------|--|---------------------------------|
| <i>Example: E. coli</i> | 2003 | Weekly April–September | 20 |
| <input type="text" value="Various (EPA approved analyte list)"/> | <input type="text" value="2016"/> | <input type="text" value="Qualifying events (up to 7)"/> | <input type="text" value="3"/> |
| <input type="text" value="Various/EPA approved analyte list"/> | <input type="text" value="2014"/> | <input type="text" value="Wet weather, annually"/> | <input type="text" value="8"/> |
| <input type="text" value="Various/EPA approved analyte list"/> | <input type="text" value="2021"/> | <input type="text" value="Wet weather, annually"/> | <input type="text" value="11"/> |
| <input type="text" value="Please contact AMAFCA"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| <input type="text" value="for additional information"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

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.

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
 Name of Certifying Official, Title Date (mm/dd/yyyy)

| NOI Section | ID | Permit Activity Description | Plan SWMP Rev. 6 - July 1, 2021 | Measurable Goal SWMP Rev. 6 - July 1, 2021 | Status of Implementation and Performance Assessment Permit Year July 2023 to June 2024 (FY 2024) |
|---------------------|----|---|--|--|---|
| | 3 | Part I.C - Special Conditions | | | |
| | 4 | Compliance with Water Quality Standards – General Requirements - Part I.C.1.a - c | | | |
| Not Included in NOI | 5 | Part I.C.1 - Compliance with Water Quality Standards - Pursuant to Clean Water Act §402(p)(3)(B)(iii) and 40 CFR § 122.44(d)(1), this permit includes provisions to ensure that discharges from the permittee's MS4 do not cause or contribute to exceedances of applicable surface water quality standards, in addition to requirements to control discharges to the maximum extent practicable (MEP) set forth in Part I.D. Permittees shall address storm water management through development of the SWMP that shall include the following elements and specific requirements included in Part VI (sections below). | Part I.C.1 - AMAFCA's proposed plan for compliance with related Permit activities are described in the applicable sections of the AMAFCA SWMP. | <ul style="list-style-type: none"> AMAFCA's measurable goals for compliance with related Permit activities are described in the applicable sections of the AMAFCA SWMP. | See specific Permit section and activity. |
| Not Included in NOI | 6 | Part I.C.1.a - Permittee's discharges shall not cause or contribute to an exceedance of surface water quality standards (including numeric and narrative water quality criteria) applicable to the receiving waters. In determining whether the SWMP is effective in meeting this requirement or if enhancements to the plan are needed, the permittee shall consider available monitoring data, visual assessment, and site inspection reports. | Part I.C.1.a - Compare AMAFCA monitoring data results to applicable surface water quality standards that occur in the following programs: Compliance with Water Quality Standards - Dissolved Oxygen Program, Compliance with Water Quality Standards - PCB Program, Compliance with Water Quality Standards - Temperature Program, Compliance with Water Quality Standards - Discharges to Impaired Waters with Approved TMDL Program, and the Wet Weather Monitoring Program. Refer to these sections for additional information. | <ul style="list-style-type: none"> Compare AMAFCA monitoring data results to applicable surface water quality standards that occur in the following programs: Compliance with Water Quality Standards - Dissolved Oxygen Program, Compliance with Water Quality Standards - PCB Program, Compliance with Water Quality Standards - Temperature Program, Compliance with Water Quality Standards - Discharges to Impaired Waters with Approved TMDL Program, and the Wet Weather Monitoring Program. AMAFCA's measurable goals for compliance with related Permit activities are described in the applicable sections of the AMAFCA SWMP. | See specific Permit section and activity. |
| Not Included in NOI | 7 | Part I.C.1.b - Applicable surface water quality standards for discharges from the permittees' MS4 are those that are approved by EPA and any other subsequent modifications approved by EPA upon the effective date of this permit found at New Mexico Administrative Code §20.6.4. Discharges from various portions of the MS4 also flow downstream into waters with Pueblo of Isleta and Pueblo of Sandia Water Quality Standards. | Part I.C.1.b - Compare AMAFCA monitoring data results to the applicable New Mexico Administrative Code §20.6.4, Pueblo of Isleta Water Quality Standards (amended on 3/18/2002, effective 7/22/2005 per EPA website), and Pueblo of Sandia Water Quality Standards (effective 3/9/2010). Compare AMAFCA monitoring data results to applicable surface water quality standards that occur in the following programs: Compliance with Water Quality Standards - Dissolved Oxygen Program, Compliance with Water Quality Standards - PCB Program, Compliance with Water Quality Standards - Temperature Program, Compliance with Water Quality Standards - Discharges to Impaired Waters with Approved TMDL Program, and the Wet Weather Monitoring Program. Refer to these sections for additional information. | <ul style="list-style-type: none"> Compare AMAFCA monitoring data results to applicable surface water quality standards that occur in the following programs: Compliance with Water Quality Standards - Dissolved Oxygen Program, Compliance with Water Quality Standards - PCB Program, Compliance with Water Quality Standards - Temperature Program, Compliance with Water Quality Standards - Discharges to Impaired Waters with Approved TMDL Program, and the Wet Weather Monitoring Program. AMAFCA's measurable goals for compliance with related Permit activities are described in the applicable sections of the AMAFCA SWMP. | See specific Permit section and activity. |

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|---------------------|----|---|--|--|---|
| Not Included in NOI | 8 | <p><u>Part I.C.1.c</u> - The permittee shall notify EPA and the Pueblo of Isleta in writing as soon as practical but not later than 30 calendar days following each Pueblo of Isleta water quality standard exceedance at an in-stream sampling location. In the event that EPA determines that a discharge from the MS4 causes or contributes to an exceedance of applicable surface water quality standards and notifies the permittee of such an exceedance, the permittee shall, within sixty (60) days of notification, submit to EPA, NMED, Pueblo of Isleta (upon request) and Pueblo of Sandia (upon request), a report that describes controls that are currently being implemented and additional controls that will be implemented to prevent pollutants sufficient to ensure that the discharge will no longer cause or contribute to an exceedance of applicable surface water quality standards. The permittee shall implement such additional controls upon notification by EPA and shall incorporate such measures into their SWMP as described in Part I.D of this permit. NMED or the affected Tribe may provide information documenting exceedances of applicable water quality standards caused or contributed to by the discharges authorized by this permit to EPA Region 6 and request EPA take action under this paragraph.</p> | <p><u>Part I.C.1.c</u> - AMAFCA will notify EPA and the Pueblo of Isleta of any Pueblo of Isleta of water quality standard exceedances at an in-stream sampling location (within the Rio Grande). Notification will be in writing as soon as practicable.</p> <p>Lab reports are typically received within 45 days of a sampling event. Preliminary review of the results typically requires 5 days. AMAFCA will include requirements to their contractors to review and report in-stream exceedances in a timely manner so that AMAFCA can better meet this requirement. AMAFCA will notify EPA and the Pueblo of Isleta within 30 days of the data review to determine a Pueblo of Isleta water quality standard exceedance at an in-stream (within the Rio Grande) sampling location. The Permit is unclear if this notification is required just for MS4 Permit compliance sampling, or if this includes results from other monitoring, such as citizen science projects. AMAFCA will provide this notification for in-stream samples that AMAFCA is involved with sampling, that result in a Pueblo of Isleta water quality standard exceedance.</p> <p>In addition, AMAFCA will continue to use sondes in the Rio Grande to monitor DO and temperature (refer to the Compliance with Water Quality Standards - Dissolved Oxygen (DO) Program). AMAFCA will continue to provide Isleta Pueblo with access to the real-time DO and temperature sonde data.</p> | <ul style="list-style-type: none"> • AMAFCA will notify EPA and the Pueblo of Isleta of any Pueblo of Isleta water quality standard exceedances at an in-stream sampling location (within the Rio Grande). Notification will be in writing as soon as practicable. • AMAFCA will add the in-stream notification of Pueblo of Isleta water quality standard exceedance to monitoring reporting tasks with sub-consultants to ensure that results are reviewed and reported in a timely manner. • AMAFCA will continue to use sondes in the Rio Grande to monitor DO and temperature (refer to the Compliance with Water Quality Standards - Dissolved Oxygen Program). AMAFCA will continue to provide Isleta Pueblo with access to the real-time DO and temperature sonde data. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • AMAFCA notified EPA and the Pueblo of Isleta of any Pueblo of Isleta water quality standard exceedances at any in-stream sampling location (within the Rio Grande). Notification was in writing as soon as practical. AMAFCA notified the Pueblo of Isleta and EPA of exceedances related to CMC monitoring, AMAFCA water quality monitoring, and citizen science monitoring (BEMP). |

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|---------------------|----|--|--|---|---|
| | 9 | Compliance with Water Quality Standards – Dissolved Oxygen & Part I.C.1.d and Endangered Species Act (ESA) Requirements - Dissolved Oxygen Strategy - Part I.C.3.a | | | |
| Not Included in NOI | 10 | <p>According to the requirements in <u>Part I.C.1.d</u> and <u>Part I.C.3.a(ii)</u>, the permittees shall revise the May 1, 2012 Strategy to continue taking measures to address concerns regarding discharges to the Rio Grande by implementing controls to eliminate conditions that cause or contribute to exceedances of applicable dissolved oxygen water quality standards in waters of the United States.</p> <p>The permittee shall, as part of this revised strategy, complete the following activities [activities are listed in sections below]. Activities listed are a combination of permit activities in Part I.C.1.d - Special Conditions, Compliance with Water Quality Standards, Phase I Dissolved Oxygen Program and Part I.C.3.a - Dissolved Oxygen Strategy in Receiving Waters of the Rio Grande.</p> | <p><u>Part I.C.1.d</u> and <u>Part I.C.3.a(ii)</u> - The potential for low DO discharges to the Rio Grande at the NDC Embayment has been a concern which AMAFCA has been addressing, with the USFWS and EPA, since 2004. Several strategies, including various NDC Embayment modifications, have been implemented from 2011-2014. In 2015-2016, AMAFCA completed construction, after coordination with USFWS, of the NDC Outfall Grade Control Structures Modification Project and NDC Embayment Regrading Project.</p> <p>The NDC Embayment was filled in and regraded in 2015-2016, thereby removing the constant hydraulic connection between the Rio Grande and the NDC Bathtub/Outfall. In normal river flow conditions, water from the Rio Grande will not be able to stagnate in the Embayment and create low DO conditions. These improvement projects provide control measures to eliminate conditions that cause or contribute to exceedances of applicable DO water quality standards.</p> <p>These NDC projects and this Dissolved Oxygen Program Strategy were coordinated with the USFWS. AMAFCA received a Final BO from the USFWS and Special Conditions from USACE allowing the NDC Embayment to be filled in and revegetated.</p> | <ul style="list-style-type: none"> • AMAFCA has completed the NDC Outfall Grade Control Structures Modification Project to fill in and revegetate the NDC Embayment and will continue following the terms of the Final BO from the USFWS and Final Special Conditions from USACE. This project is the revised strategy for the MS4 Permit elements related to DO. • A new vegetation assessment study and removal training will be conducted to determine the types of vegetation and optimal time for seeding. A revised monitoring plan, developed in consultation with the USACE, will be in place moving forward. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • The efforts for the NDC Outfall and Special Conditions from USACE were completed in FY 2023. Details on this are provided in the Dissolved Oxygen Program Summary for the Annual Report. |
| Not Included in NOI | 11 | <p><u>Part I.C.1.d(i)</u> and <u>Part I.C.3.a(i)</u> - 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;</p> | <p><u>Part I.C.1.d(i)</u> and <u>Part I.C.3.a(i)</u>- The NDC Outfall/Embayment is the primary structural element identified by AMAFCA, City of Albuquerque, EPA, and USFWS as potentially contributing to low dissolved oxygen (DO) in the receiving waters of the Rio Grande. This Dissolved Oxygen Strategy is primarily focused on addressing this element.</p> <p>No other specific structural elements in the watershed have been identified as contributing to reduced DO in the receiving waters of the Rio Grande. Other stormwater outfalls, including the South Diversion Channel/Tijeras Arroyo, Calabacillas Arroyo, San Antonio Arroyo, will continue to be monitored.</p> <p>AMAFCA will continue to operate sondes in the Rio Grande deployed for monitoring DO and temperature. The sonde locations throughout the length of the Rio Grande through the UA will assist AMAFCA with bracketing segments of the Rio Grande to better understand elements that may be contributing to reduced DO in the receiving waters of the Rio Grande. DO results from AMAFCA monitoring efforts will assist AMAFCA in determining if there are other elements that may be contributing to reduced DO in the receiving waters of the Rio Grande. AMAFCA will update its SWMP if any other specific structural elements in the watershed are identified as contributing to reduced DO in the receiving waters of the Rio Grande.</p> | <ul style="list-style-type: none"> • AMAFCA will follow the monitoring measurable goals in Part I.C.1.d.(iii) below. • Related to identifying structural elements in the watershed that may be contributing to reduced DO, AMAFCA will continue to use sondes in the Rio Grande to monitor DO and temperature; the sonde data will provide valuable data related to potential DO - stormwater related connections. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • In FY 2024, related to identifying structural elements in the watershed that may be contributing to reduced DO, AMAFCA operated three sondes, given safe flow conditions, in the Rio Grande (Sandia Pueblo Boundary, Central Ave., and Isleta Pueblo Boundary). Additional details on the sonde monitoring are available below and in the Dissolved Oxygen Program Summary for the Annual Report. This activity was updated during FY 2024 in conjunction with modifications to AMAFCA SWMP Rev. 6. The AMAFCA SWMP Rev. 7 was adopted on July 1, 2024. • Related to identifying structural elements in the watershed that may be contributing to reduced DO, AMAFCA collected and analyzed DO data from stormwater samples collected for the MS4 program (cooperative monitoring, AMAFCA monitoring, and Citizen Science monitoring). Details on this monitoring are provided in the Dissolved Oxygen Program Summary for the Annual Report. |

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| Not Included in NOI | 12 | <p>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;</p> | <p>Part I.C.1.d.(ii) - The primary controls for this DO Program are the NDC Outfall Grade Control Structures Modification Project and Embayment Grading Project. The water quality improvement goal for the NDC Outfall Grade Control Structures Modification Project is to improve maintenance operations, thereby improving efficiency of sediment, trash and debris removal due to better access and improved geometry. The NDC Embayment Regrading Project, as discussed above, removes the constant hydraulic connection between the Rio Grande and the NDC Bathtub/Outfall. These improvement projects provide control measures to mitigate conditions that cause or contribute to exceedances of applicable DO WQs.</p> <p>In addition to the NDC Outfall and Embayment Projects, AMAFCA will continue to install stormwater quality structures within the watershed. AMAFCA plans, designs, and builds regional stormwater BMPs throughout the watershed to help eliminate the discharge of pollutants that cause or contribute to exceedances of applicable water quality standards for DO in waters of the Rio Grande.</p> <p>Pollutant source reduction strategies, such as public education and encouragement of GI/LID, are also part of the ongoing controls for this Program. AMAFCA actively participates in the MRGSQT, which organizes and leads public education, outreach, involvement, and participation activities which relate to this Program.</p> | <ul style="list-style-type: none"> • AMAFCA will continue to plan, design, and build structural BMPs (regional water quality structures) throughout the MRG watershed. • AMAFCA will continue to contribute and participate in the MRGSQT which provides public education, outreach, and participation opportunities related to stormwater impacts to water quality. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • AMAFCA continued to use floating booms in the NDC Outfall to assist with trash and debris collection. Removal of trash and debris will assist with mitigating low DO issues in this area. • AMAFCA continued to plan, design, and build structural BMPs (regional water quality structures) throughout the MRG watershed. Refer to the Construction Control Measure and the Post Construction Control Measure for additional information. • AMAFCA continued to contribute and participate in the MRGSQT - refer to the Public Education and Outreach Control Measure and the Public Involvement and Participation Control Measure for additional information. |
| Not Included in NOI | 13 | <p>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.</p> <p>This coincides with the requirements in Part I.C.3.a.(ii).(a), the revised strategy shall include:</p> <p>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).</p> <p>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.</p> | <p>Part I.C.1.d.(iii) - With the NDC Embayment filled in since 2016, AMAFCA cannot physically measure the DO in the Embayment. AMAFCA will provide continuous monitoring of DO and temperature (using sondes) in the Rio Grande at the most appropriate locations for the purpose of complying with the MS4 Permit requirements in Part I.C.1.d.(iii) and Part I.C.3.a.(ii).(a). The sonde locations throughout the stretch of the Rio Grande through the Urbanized Area (UA) will assist AMAFCA with bracketing segments of the Rio Grande to better understand locations of elements that may be contributing to reduced DO in the receiving waters of the Rio Grande.</p> <p>For compliance with this Permit Activity, AMAFCA will deploy sondes to provide continuous DO, oxygen saturation, and temperature monitoring; sondes are currently located at the following locations:</p> <ul style="list-style-type: none"> - Rio Grande at US 550 Bridge in Bernalillo - Rio Grande at Sandia Pueblo Boundary (just above the confluence with the NDC outfall) - Rio Grande at Central Ave. Bridge - Rio Grande at the Isleta Dam <p>Note - sonde locations may change based on the results and program needs as well as river stage.</p> <p>Part I.C.3.a.(ii).(a)A and B - For the sonde monitoring, AMAFCA has standard operating procedures, quality assurance plans, maintenance, and implementation schedules in place.</p> | <ul style="list-style-type: none"> • For compliance with this Permit Activity, AMAFCA will deploy sondes in the most appropriate locations to provide continuous DO and temperature monitoring. • AMAFCA will continue following the standard operating procedures, quality assurance plans, maintenance, and implementation schedules that are in place for the sonde monitoring. AMAFCA will continue to pursue, as applicable, data collection and reporting improvements to this program. • AMAFCA will continue to provide Isleta Pueblo with access to the real-time DO and temperature sonde data. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • Related to the NDC Embayment monitoring, AMAFCA deployed three sondes to provide continuous DO, pH, water depth, turbidity, and temperature monitoring at the following locations: Sandia Pueblo Boundary, Central Ave., and Isleta Dam. Additional details on the sonde program and results are provided in the In-Stream Water Quality Memos, which are available upon request. Use of sondes in the Rio Grande have physical challenges that make the measurement, monitoring, and maintenance difficult as well as time/staff intensive. There are times when the sonde data is not available due to maintenance and other issues with the equipment. This activity was updated during FY 2024 in conjunction with modifications to AMAFCA SWMP Rev. 6. The AMAFCA SWMP Rev. 7 was adopted on July 1, 2024. • In FY 2024, AMAFCA continued to operate real-time telemetry capabilities to these sondes allowing AMAFCA to be aware of sonde issues in real time, resulting in less data gaps. The sonde data was made available to the Pueblo of Isleta to improve data sharing and coordination with watershed stakeholders. • AMAFCA and monitoring consultants followed the standard operating procedures, quality assurance plan, maintenance, and implementation schedules that are in place for the sonde monitoring. |

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| Not Included in NOI | 14 | <p><u>Part 1.C.1.d.(iv)</u> 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:</p> <p>(a) Summary of data.</p> <p>(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 1.C.1.d.(i).</p> <p>(c) Conclusions drawn, including support for any determinations.</p> <p>(d) Activities undertaken to eliminate MS4 discharge contribution to exceedances of applicable dissolved oxygen water quality standards in waters of the United States.</p> <p>(e) Account of stakeholder involvement.</p> <p><u>Part 1.C.3.a.(i)</u> - The permittees shall submit a summary of findings and a summary of activities undertaken with each Annual Report. The SWMP submitted with the first and fourth annual reports must include a detailed description of controls implemented (or/and proposed control to be implemented) along with corresponding measurable goals. (Applicable to all permittees).</p> | <p><u>Part 1.C.1.d.(iv)</u> - AMAFCA completed the NDC project in 2016 to fill in and revegetate the NDC Embayment following the terms of the Final BO from the USFWS and Final Special Conditions from USACE. USFWS was consulted during this project and made aware of the revised strategy. The AMAFCA MS4 Annual Report and supporting documentation will be considered as the Progress Report. A separate progress report will not be submitted to EPA and USFWS. The MS4 Annual Report will include the Annual Incidental Take Report as an Attachment to the Annual Report.</p> <p><u>Part 1.C.3.a.(i)</u> - The Annual Report will include a summary of example activities undertaken to identify elements contributing to reduced dissolved oxygen in the receiving waters of the Rio Grande and changes or improvements to the Strategy for implementation of controls to eliminate exceedances of applicable water quality standards for dissolved oxygen in waters of the United States.</p> | <ul style="list-style-type: none"> • AMAFCA completed the NDC Outfall Grade Control Structures Modification Project to fill in and revegetate the NDC Embayment following the terms of the Final BO from the USFWS and Final Special Conditions from USACE. • Vegetation assessments in this area will continue to be conducted following the current monitoring plan, developed in consultation with the USACE. • AMAFCA will complete the Incidental Take Report and follow the Incidental Take Reporting requirements and data submittal requirements. • AMAFCA will include a summary of example activities in each Annual Report. AMAFCA will incorporate documentation by reference into the Annual Report and plans to document progress on the AMAFCA website. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • Refer to ID #10 above for information related to the USACE Regional General Permit. The efforts for the NDC Outfall and USACE were completed in FY 2023. Details on this are provided in the Dissolved Oxygen Program Summary for the Annual Report. • AMAFCA completed the Annual Incidental Take analysis and this will be included in the Dissolved Oxygen Program Summary for the Annual Report. AMAFCA followed a procedure for completing this Annual Incidental Take Report to ensure the current MS4 Permit requirements were met and that this report is consistently completed each year. This procedure is available upon request. • AMAFCA has completed this section of the Annual Report to serve as a progress report for this Permit element. |
| Not Included in NOI | 15 | <p>According to the requirements in <u>Part 1.C.3.a.(ii)</u>, 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.</p> | <p><u>Part 1.C.3.a.(ii)</u> - The result of removing the NDC Embayment and hydraulically disconnecting the NDC stormwater flows from the Rio Grande will minimize low DO conditions at this location. The Embayment has had historical issues with stagnate ponded water creating low DO conditions. The monitoring activities described above will be used to assess that the Embayment project functions as planned and that low DO conditions are reduced in both frequency and magnitude.</p> | <ul style="list-style-type: none"> • AMAFCA will compare the DO monitoring results for "qualifying events" as defined by USFWS with the MS4 Permit measurable goals as listed in Table 1.c , using the table in Appendix G in the MS4 Permit. • AMAFCA will utilize Levellogger data to better define volumetric runoff events that discharge to the Rio Grande. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • AMAFCA continued to use the MS4 Permit measurable goal analysis and reporting in the Annual Incidental Take Report, and this is included in the Dissolved Oxygen Program Summary for the Annual Report. In addition, AMAFCA followed the procedure for completing this analysis to ensure the current MS4 Permit requirements were met and that this report is consistently completed each year. • AMAFCA discontinued analyzing the Levellogger data in the NDC watershed and at the equipment crossing in FY 2024. This activity was removed during FY 2024 in conjunction with modifications to AMAFCA SWMP Rev. 6. The AMAFCA SWMP Rev. 7 was adopted on July 1, 2024. • From the AMAFCA FY 2024 In-Stream Water Quality Monitoring Memos, which report on the AMAFCA sonde data, the DO fell slightly below 5 mg/L on only 1 day related to storm events within the watershed; refer to the Dissolved Oxygen Program Summary for additional information. |

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| Not Included in NOI | 16 | <p>According to the requirements in Part I.C.3.a.(ii).(b), the permittees (COA and AMAFCA) shall provide:</p> <p>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.</p> | <p>Part I.C.3.a.(ii).(b).A - AMAFCA will complete the Incidental Take Report, which estimates the potential Rio Grande Silvery Minnow (RGSM) take using the method defined by USFWS for the BO (MRG Watershed Permit BO dated August 21, 2014 - Cons. #22420-2011-F-0024-R001). Using the BO procedure, AMAFCA will determine or measure, as technically feasible, the necessary data elements required for calculation of the predicted incidental takes during qualifying storm events. The definition of a qualifying storm event (for this Permit Activity) may be reassessed as the Levelogger data is analyzed for NDC Outfall and Embayment area. This activity may require additional follow-up with the EPA and the USFWS. The Annual Incidental Take Report will be provided with each Annual Report.</p> | <ul style="list-style-type: none"> • AMAFCA will determine and/or measure, as technically feasible, the necessary data elements required for calculation of the predicted incidental takes during qualifying storm events. • AMAFCA will complete the Annual Incidental Take Report. • AMAFCA will provide EPA and USFWS with a copy of the Annual Incidental Take Report with each Annual Report submitted no later than December 1st for the preceding calendar year, as required under Part III.B. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • The Annual Incidental Take Report will be completed to meet the Dec. 1, 2024 deadline for the Annual Report and is provided in the Dissolved Oxygen Program Summary. |
| Not Included in NOI | 17 | <p>According to the requirements in Part I.C.3.a.(ii).(b), the permittees (COA and AMAFCA) shall provide:</p> <p>B. A summary of data and findings with each annual report to EPA and the FWS. All data collected (including provisional oxygen and water temperature data, and associated metadata), transferred, stored, summarized, and evaluated shall be included in the annual report. If additional data is requested by EPA or the FWS, COA and AMAFCA shall provide such information within two weeks upon request. The revised strategy required under Part I.C.3.a.(ii), the Annual Incidental Take Reports required under Part I.C.3.a.(ii).(b).A, and annual reports required under Part III.B can be submitted to FWS via e-mail nmesfo@fws.gov and Joel lusk@fws.gov, or by mail to the New Mexico Ecological Services field office, 2105 Osuna Road NE, Albuquerque, New Mexico 87113. [Note - as of July 2022, Debra Hill is the new contact at USFWS.]</p> | <p>Part I.C.3.a.(ii).(b).B - AMAFCA will provide EPA and USFWS with the necessary data elements required for calculation of the predicted incidental takes during qualifying storm events and the Annual Incidental Take Report, required under Part I.C.3.a.(ii).(b).A. If additional data is requested by EPA or the USFWS, AMAFCA will provide requested information within two (2) weeks upon request.</p> <p>AMAFCA will assess the DO on the same time frame as the MS4 Permit requires for the Annual Report – July 1 to June 30. Each Annual Report will be submitted no later than December 1 for the preceding calendar year, as required under Part III.B.</p> | <ul style="list-style-type: none"> • AMAFCA will provide EPA and USFWS the required data and information with each Annual Report submittal, required under Part III.B, no later than December 1 for the preceding calendar year. | <p>Met FY 2024 Goal.</p> <ul style="list-style-type: none"> • AMAFCA submitted AMAFCA's FY 2024 MS4 Annual Report with the Dissolved Oxygen Program Summary, the Incidental Take results, and applicable In-Stream Water Quality Monitoring (sonde) memos, as required under Part III.B. |

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| | 18 | Compliance with Water Quality Standards – PCBs - Part I.C.1.e | | | |
| Not Included in NOI | 19 | <p>According to the requirements in Part I.C.1.e, the permittee shall address concerns regarding PCBs in channel drainage areas specified in Part I.C.1.e.(vi) by developing or continue updating/revising and implementing a strategy to identify and eliminate controllable sources of PCBs that cause or contribute to exceedances of applicable water quality standards in waters of the United States. COA and AMAFCA shall submit a progress report with the first and with the subsequent annual reports.</p> | <p>Part I.C.1.e - The results from the 2012-2014 monitoring of the NDC watershed indicated the presence of PCBs at the Grantline and N. Camino Inlets. Based on the data, MS4 partners concluded that there are no "hot spots" in the municipal area that are continuing to produce PCBs with the possible exception of the Grantline and N. Camino watersheds. In 2014-2017, AMAFCA continued activities to identify and eliminate controllable sources of PCBs specific to these two channels. A water quality consultant was tasked with reviewing and assessing all past PCB data for the NDC, identifying commercial and industrial properties that may have contributed PCBs to the North Camino and the Grantline Channel, researching past PCB releases from PNM in these areas, and providing additional PCB monitoring activity recommendations. In addition, a Field Sampling Plan (FSP), Sampling Analysis Plan (SAP), and a Quality Assurance Project Plan (QAPP) for soil and sediment sampling were developed. Sediment sampling and analysis for PCBs in the North Camino and the Grantline Channel were provided to NMED for consultation and direction. Based on the data collection and analysis results from the first five (5) years of the MS4 Permit term (2014-2019), AMAFCA has met its goals and objectives related to the PCB investigation and no further PCB sampling by AMAFCA is anticipated. If future PCB sampling is needed, AMAFCA will utilize the developed FSP, SAP, and QAPP and coordinate with EPA, NMED, and other MS4s, as applicable.</p> | <p>• Based on the data collection and analysis results from the first five (5) years of the MS4 Permit term (2014-2019), AMAFCA has met its goals and objectives related to the PCB investigation and no further PCB sampling by AMAFCA is anticipated. If future PCB sampling is needed, AMAFCA will utilize the developed FSP, SAP, and QAPP and coordinate with EPA, NMED, and other MS4s, as applicable.</p> | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> As reported to EPA in 2018, after considering the analyses completed over the 5 year period (2014-2019), AMAFCA has met its goals and objectives related to the PCB investigation and no additional PCB sampling and analysis by AMAFCA, in the Grantline or North Camino Watersheds, was completed in FY 2019. If future PCB sampling is needed, AMAFCA will utilize the developed FSP, SAP, and QAPP and coordinate with EPA, NMED, and other MS4s, as applicable. |
| Not Included in NOI | 20 | <p>Part I.C.1.e - The progress reports shall include: (i) Summary of data. (ii) Findings regarding controllable sources of PCBs in the channel drainages area specified in Part I.C.1.e.(vi) that cause or contribute to exceedances of applicable water quality standards in waters of the US via the discharge of municipal stormwater. (iii) Conclusions drawn, including supporting information for any determinations. (iv) Activities undertaken to eliminate controllable sources of PCBs in the drainage areas specified in Part I.C.1.e. (v) that cause or contribute to exceedances of applicable water quality standards in waters of the US via the discharge of municipal stormwater including proposed activities that extend beyond the 5 year permit term. (v) Account of stakeholder involvement in the process. (vi) Channel Drainage Areas: The PCB strategy required in Part I.C.1.e is only applicable to: COA and AMAFCA Areas: San Jose Drain and North Diversion Channel. Bernalillo County Areas: Adobe Acres Drain, Alameda Outfall Channel, Paseo del Norte Outfall Channel, and Sanchez Farm Drainage Area.</p> | <p>Part I.C.1.e - Based on ownership responsibilities, COA will continue to take the lead regarding follow-up PCB permit activities on the SID, and AMAFCA will continue to take the lead on follow-up PCB permit activities on the NDC. Bernalillo County will take the lead on Adobe Acres Drain, Alameda Outfall Channel, Paseo del Norte Outfall Channel, and Sanchez Farm Drainage Area, as assigned in the MS4 Permit. Based on the data collection and analysis results from the first five (5) years of the MS4 Permit term (2014-2019), AMAFCA has met its goals and objectives related to the PCB investigation and no further PCB sampling by AMAFCA is anticipated. Results from any continued study will be provided to NMED for consultation and direction. If future PCB sampling is needed, AMAFCA will utilize the developed FSP, SAP, and QAPP and coordinate with EPA, NMED, and other MS4s, as applicable.</p> <p>AMAFCA will continue internal watershed stormwater quality monitoring, which typically collects samples that are screened for PCBs at eight (8) locations. Collection of these samples are weather and equipment dependent. No additional Compliance Monitoring Cooperative (CMC) monitoring is required until a new MS4 Permit is issued. However, the CMC members will evaluate and may choose to continue sampling to support their MS4 program needs during administrative continuance. CMC monitoring would include collecting samples, and screening for PCBs, at two (2) locations within the Rio Grande - one upstream of the MS4 and one downstream of the MS4. This program uses Method 1668 for testing PCBs. Monitoring results obtained from AMAFCA's internal stormwater quality assessment monitoring program and any continued CMC stormwater quality monitoring are available upon request.</p> | <p>• Based on the data collection and analysis results from the first five (5) years of the MS4 Permit term (2014-2019), AMAFCA has met its goals and objectives related to the PCB investigation and no further PCB sampling by AMAFCA is anticipated. If future PCB sampling is needed, AMAFCA will utilize the developed FSP, SAP, and QAPP and coordinate with EPA, NMED, and other MS4s, as applicable.</p> <p>• Results from any continued study will be provided to NMED. The Annual Report will serve as the progress report for additional PCB findings, if applicable. AMAFCA will incorporate documentation by reference into the Annual Report and plans to document progress on the AMAFCA website.</p> <p>• AMAFCA will continue its internal stormwater quality assessment monitoring program, which includes collecting samples, and screening for PCBs, at eight (8) locations. The monitoring program typically includes collecting one stormwater sample per season (wet and dry), weather and equipment permitting, and screening for PCBs. This program uses screening Method 608 and follow-up sampling with Method 1668 if PCBs are detected.</p> | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> For AMAFCA's internal stormwater quality monitoring program, during the FY 2024 wet season (July 2023 - October 2023), stormwater samples from five (5) of the AMAFCA monitoring locations were screened for PCBs; all the PCB screening results were reported as not detected. AMAFCA's internal stormwater monitoring program also collected three (3) stormwater samples in the FY 2024 dry season (November 2023 to June 2024) that were screened for PCBs, and all sample results were reported as Not Detected (ND). The watershed screening utilized Method 608 with the understanding that if results are detected with the screening method, AMAFCA would then sample and test with Method 1668. The monitoring reports are available upon request. |

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| Not Included in NOI | 21 | <p><u>Part I.C.1.e.(vi)</u> - A cooperative strategy to address PCBs in the COA, AMAFCA and Bernalillo County's drainage areas may be developed between Bernalillo County, AMAFCA, and COA. If a cooperative strategy is developed, the cooperative strategy shall be submitted to EPA within three (3) years from the effective date of the permit and submit a progress report with the fourth and with subsequent annual reports,</p> <p>Note: COA and AMAFCA must continue implementing the existing PCB strategy until a new Cooperative PCB Strategy is submitted to EPA.</p> | <p><u>Part I.C.1.e.(vi)</u> - An updated cooperative strategy, if warranted, will be discussed with COA, AMAFCA, and Bernalillo County through the cooperative MS4 Technical Advisory Group (MS4 TAG). If a cooperative strategy is agreed to, work will begin to develop an agreement and develop a cooperative strategy to submit to EPA.</p> | <ul style="list-style-type: none"> AMAFCA will discuss the updated cooperative strategy option, if warranted, with COA and Bernalillo County through the cooperative MS4 TAG. | <p>Met FY 2024 Goal.</p> <ul style="list-style-type: none"> Given that AMAFCA has already met the required goals and objectives for compliance under the Permit, AMAFCA continued discussing the cooperative strategy option with COA and Bernalillo County through the cooperative MS4 TAG. PCB study plans and results within the watershed were discussed and shared between AMAFCA, COA, and Bernalillo County. |

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| | 22 | Compliance with Water Quality Standards – Temperature - Part I.C.1.f | | | |
| Not Included in NOI | 23 | <p>According to the requirements in <u>Part I.C.1.f</u>, the permittees must continue assessing the potential effect of stormwater discharges in the Rio Grande by collecting and evaluating additional data. If the data indicates there is a potential of stormwater discharges contributing to exceedances of applicable temperature water quality standards in waters of the United States, within 30 days such as findings, the permittees must develop and implement a strategy to eliminate conditions that cause or contribute to these exceedances. If the data indicates there is a potential of stormwater discharges contributing to exceedances of applicable temperature water quality standards in waters of Rio Grande, within 30 days such as findings, the permittees must develop and implement a strategy to eliminate conditions that cause or contribute to these exceedances.</p> | <p><u>Part I.C.1.f</u> - AMAFCA and the original MS4 co-permittees (COA, NMDOT, and UNM) under MS4 Permit No. NMS000101 do not believe that stormwater discharges adversely affect temperature in the Rio Grande. In order to prove this assertion, temperature data from 1982 to 2012 was assembled and analyzed. This data analysis proved the assertion that the receiving waters of the Rio Grande are not adversely affected by the temperature of stormwater from the Albuquerque MS4. This data was presented in an initial report that was submitted to EPA on May 1, 2012. However, to meet the MS4 Permit requirements, AMAFCA continued assessing the potential effect of stormwater discharges in the Rio Grande by collecting and evaluating additional temperature data. From 2012 to 2017, temperature monitoring never showed a temperature exceedance at any of the monitoring locations in the watershed or in the river.</p> | <ul style="list-style-type: none"> • AMAFCA's measurable goals for compliance with the Permit activities are described in the sections below. | <p>See specific Permit activity below.</p> |
| Not Included in NOI | 24 | <p>The strategy must include: <u>Part I.C.1.f.(i)</u> - 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; <u>Part I.C.1.f.(ii)</u> - 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</p> | <p><u>Part I.C.1.f.(i)</u> - AMAFCA has data supporting the fact that stormwater discharges do not adversely affect temperature in the Rio Grande. Assessment continues using temperature data collected in the Rio Grande using sondes (sondes are part of the Dissolved Oxygen - Compliance with Water Quality Standards and Endangered Species Act MS4 Permit program requirements). The four (4) sondes in the Rio Grande have real-time telemetry capabilities. The sonde locations throughout the length of the Rio Grande through the UA will assist AMAFCA with bracketing segments of the Rio Grande to better understand elements that may be contributing to high temperatures in the receiving waters of the Rio Grande.</p> <p><u>Part I.C.1.f.(ii)</u> - If the temperature data trends begins to indicate that stormwater discharges are adversely affecting temperature in the Rio Grande, AMAFCA will develop a strategy to understand the causes and contributions. If this occurs, AMAFCA will work with COA in developing this strategy as it relates to the watershed. It is anticipated that development of controls will be a part of the strategy. The 30 day timeline in the MS4 Permit is not long enough to develop and implement a watershed wide strategy; AMAFCA and COA will work with EPA, as needed, to develop a reasonable time frame.</p> | <ul style="list-style-type: none"> • Temperature data will continue to be collected in the Rio Grande using sondes. The sonde data will be available upon request. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • In FY 2024, temperature data was collected in the Rio Grande using the sondes that are described in the Dissolved Oxygen MS4 Permit program section of the Annual Report. This activity was updated during FY 2024 in conjunction with modifications to AMAFCA SWMP Rev. 6. The AMAFCA SWMP Rev. 7 was adopted on July 1, 2024. In addition, temperature data was collected during Compliance Monitoring Cooperative (CMC) sampling, Wet Weather monitoring during AMAFCA's internal stormwater quality monitoring, and during the Citizen Science sampling. • In FY 2024, the sondes recorded zero (0) temperature exceedances of the 32.2 degrees C water quality standard in the Rio Grande related to precipitation within the watershed. In-stream monitoring memos discuss this data further and are available upon request. The temperature graphs from the sondes are provided in the Temperature Program Summary for this Annual Report. |

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| Not Included in NOI | 25 | <p><u>Part 1.C.1.f.(iii)</u> - Provide a progress report with the first and with subsequent Annual Reports. The progress reports shall include:</p> <p>(a) Summary of data.</p> <p>(b) Activities undertaken to identify MS4 discharge contribution to exceedances of applicable temperature water quality standards in waters of the United States.</p> <p>(c) Conclusions drawn, including supporting information for any determinations.</p> <p>(d) Activities undertaken to reduce MS4 discharge contribution to exceedances of applicable temperature water quality standards in waters of the United States.</p> <p>(e) Accounting of stakeholder involvement.</p> | <p><u>Part 1.C.1.f.(iii)</u> - AMAFCA will include progress regarding temperature impacts from stormwater to the Rio Grande that include adherence to schedule, activities undertaken, monitoring results, and conclusions drawn with Annual Reports, as applicable. AMAFCA will incorporate documentation by reference into the Annual Report and plans to document progress on the AMAFCA website.</p> <p>AMAFCA has provided data from 1982 to 2017 showing that the Rio Grande is not adversely affected by the temperature of stormwater from the Albuquerque MS4. The temperature monitoring results do not show a temperature exceedance at any of the monitoring locations in the watershed or in the river.</p> | <ul style="list-style-type: none"> Any update of data, activities, and conclusions regarding temperature impacts from stormwater to the Rio Grande will be provided with each Annual Report, if applicable. AMAFCA will incorporate documentation by reference into the Annual Report and plans to document progress on the AMAFCA website. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> This Annual Report serves as a progress report to EPA. Temperature data collected in the Rio Grande during FY 2024 continues to show that temperature exceedances in the Rio Grande due to stormwater from the contributing Albuquerque watershed are not occurring. AMAFCA, through its Annual Reports and associated communication with EPA, has provided data from 1982 to 2024 showing that the Rio Grande is not adversely affected by the temperature of stormwater from the Albuquerque MS4. In FY 2024, AMAFCA continued to operate real-time telemetry capabilities to three (3) sondes, allowing AMAFCA to be aware of sonde issues in real time resulting in less data gaps. This activity was updated during FY 2024 in conjunction with modifications to AMAFCA SWMP Rev. 6. The AMAFCA SWMP Rev. 7 was adopted on July 1, 2024. Login information was shared with the Pueblo of Isleta so they could view the data in an effort to improve data sharing and coordination with watershed stakeholders. |

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| | 26 | Discharges to Impaired Waters With Approved TMDLs - Part I.C.2.b.(i) and TABLE 1.a - TMDL Bacteria Program- Part I.C.2.b.(iii) | | | |
| Not Included in NOI | 27 | <p>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</p> <p>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:</p> | <p>Part I.C.2.b.(i) - A bacteria TMDL for the Middle Rio Grande was approved by the New Mexico Water Quality Control Commission on April 13, 2010, and by EPA on June 30, 2010. AMAFCA's proposed plans for compliance with the Permit activities are described in the sections below.</p> | <p>AMAFCA's measurable goals for compliance with the Permit activities are described in the sections below.</p> | <p>See specific Permit activity below.</p> |
| Not Included in NOI | 28 | <p>Part I.C.2.b.(i).(a), Targeted Controls: The SWMP submitted with the first Annual Report must include a detailed description of all targeted controls to be implemented, such as identifying areas of focused effort or implementing additional BMPs that will be implemented to reduce the pollutant(s) of concern in the impaired waters. and</p> <p>Part I.C.2.b.(i).(b), Measurable Goals: For each targeted control, the SWMP must include a measurable goal and an implementation schedule describing BMPs to be implemented during each year of the permit term. Where the impairment is for bacteria, the permittee must, at minimum comply with the activities and schedules described in Table 1.a of Part I.C.2.b.(iii).</p> <p>As required in Part I.C.2.b.(i).(e), the permittee shall include focused BMPs addressing the five areas below:</p> <p>A. Sanitary Sewer Systems - improve sanitary sewers; fix lift stations; identify and implement O&M procedures; improve violation reporting; and prevent overflows;</p> <p>B. On-site Sewage Facilities - address failing systems and inadequate maintenance of On-Site Sewage Facilities;</p> | <p>Part I.C.2.b.(i).(a), (b), & (e) -AMAFCA's proposed plan for targeted controls and measurable goals (see column to right) for bacteria include:</p> <p>A. Sanitary Sewer Systems - Targeted Controls: There are no sanitary sewer systems owned or operated by AMAFCA within AMAFCA owned property. Related to the Illicit Discharges and Improper Disposal Control Measure, AMAFCA will receive monthly DMRs of sanitary sewer overflows (SSO) from ABCWUA. These will be evaluated to ensure that the SSOs did not impact AMAFCA facilities.</p> <p>B. On-site Sewage Facilities - Targeted Controls: There are no on-site sewage facilities owned or operated by AMAFCA within AMAFCA-owned property.</p> | <p>A. Sanitary Sewer Systems - Measurable Goals:</p> <ul style="list-style-type: none"> • There are no sanitary sewer systems owned or operated by AMAFCA within AMAFCA-owned property. • Through the IDDE Program, AMAFCA will continue coordination with ABCWUA, who will inform AMAFCA of any SSOs that potentially impact AMAFCA facilities. AMAFCA will receive monthly DMRs of SSOs from ABCWUA. These will be evaluated to ensure that the SSOs did not impact AMAFCA facilities. AMAFCA will continue to add these to GIS to improve tracking of the SSOs. <p>B. On-site Sewage Facilities - Measurable Goals:</p> <ul style="list-style-type: none"> • Not applicable to AMAFCA | <p>Met FY 2024 Goals.</p> <p>A. Sanitary Sewer Systems:</p> <ul style="list-style-type: none"> • There are no sanitary sewer systems owned or operated by AMAFCA within AMAFCA owned property. • AMAFCA received and reviewed the monthly DMR forms from ABCWUA. AMAFCA also has entered these into GIS to improve tracking of the SSOs. • AMAFCA can and has accepted sanitary sewer flows, given emergency overflow conditions in the watershed, to help protect the Rio Grande water quality. • AMAFCA investigated applicable illicit discharge complaints received through the 311 call in program, as well as other complaints received directly by AMAFCA through e-mail or phone. <p>B. On-site Sewage Facilities:</p> <ul style="list-style-type: none"> • Not applicable to AMAFCA |

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| Not Included in NOI | 29 | <p>Continuation of five areas in Part I.C.2.b.(i).(e) -</p> <p><u>C. Illicit Discharges and Dumping</u> - effort to reduce waste sources of bacteria; for ex., septic systems, grease traps, and grit traps;</p> <p><u>D. Animal Sources</u> - management programs to identify and target sources such as zoos, pet waste, and horse stables;</p> <p><u>E. Residential Education</u> - bacteria from residential sites; fats, oils, and grease (FOG) clogging sanitary sewer lines and resulting overflows; decorative ponds; and pet waste.</p> | <p><u>Part I.C.2.b.(i).(a), (b), & (e)</u> - Continuation - AMAFCA's proposed plan for targeted controls and measurable goals (see column to right) for bacteria include:</p> <p><u>C. Illicit Discharges and Dumping - Targeted Controls:</u> AMAFCA has a robust IDDE Program. In the IDDE program, AMAFCA has focused on homeless camp cleanup and other efforts that target sources of bacteria. In addition, AMAFCA has manual and mechanical trash contracts to address IDDE cleanup. Refer to the Illicit Discharges and Improper Disposal Control Measure for additional information.</p> <p><u>D. Animal Sources - Targeted Controls:</u> AMAFCA will continue its focus on reducing pet waste through its Mutt Mitt Stations Program and its involvement with the MRGSQT educational outreach "Scoop the Poop" and/or "There is No Poop Fairy" campaigns.</p> <p><u>E. Residential Education - Targeted Controls:</u> AMAFCA will address this area through Public Education and Outreach and Public Involvement and Participation Control Measures through its involvement with the MRGSQT.</p> | <p><u>C. Illicit Discharges and Dumping - Measurable Goals:</u></p> <ul style="list-style-type: none"> • AMAFCA will address the Illicit Discharge and Dumping through its IDDE Program; refer to the Illicit Discharges and Improper Disposal Control Measure for additional information. This IDDE program includes illicit discharge monitoring by AMAFCA staff and crew that often involves weekly discussion at staff meetings. Reports of discharge are cooperatively investigated by staff including, if appropriate, tracking and documentation procedures. An annual budget line item exists for contracts to address IDDE cleanup. <p><u>D. Animal Sources - Measurable Goals:</u></p> <ul style="list-style-type: none"> • AMAFCA will continue to provide Mutt Mitt Stations and bags in an effort to reduce pet waste reaching stormwater. • AMAFCA will continue to contribute and participate in the MRGSQT. Through the MRGSQT, pet waste will be targeted through the "Scoop the Poop" and/or "There is No Poop Fairy" campaigns and other programs. • As funding becomes available, AMAFCA will participate and/or conduct microbial source tracking (MST) studies in the Middle Rio Grande. <p><u>E. Residential Education - Measurable Goals:</u></p> <ul style="list-style-type: none"> • The MRGSQT Outcomes Report will summarize the activities and is available upon request and AMAFCA plans to share this document on its website. | <p>Met FY 2024 Goals.</p> <p><u>C. Illicit Discharges and Dumping:</u></p> <ul style="list-style-type: none"> • Refer to the Illicit Discharges and Improper Disposal Control section of the Annual Report for FY 2024 performance and implementation status. <p><u>D. Animal Sources:</u></p> <ul style="list-style-type: none"> • AMAFCA has continued the Mutt Mitt Station program. Tracking procedures continued in FY 2024 for this program. • The MRGSQT Outcomes Report summarizes the educational and outreach programs for FY 2024. This report is provided as a Program Summary. Pet waste education is a large component of the cooperative MRGSQT outreach efforts. <p><u>E. Residential Education:</u></p> <ul style="list-style-type: none"> • The MRGSQT Outcomes Report summarizes the educational and outreach programs for FY 2024. This report is contained in the Program Summaries section of the Annual Report. |
| | 30 | <p><u>Part I.C.2.b.(i).(c).B</u> - Identification of Measurable Goal: The SWMP must identify a measurable goal for the pollutant(s) of concern. The value of the measurable goal must be based on one of the following options in the Permit - AMAFCA is using Option B:</p> <p>B. Alternatively, if multiple permittees are discharging into the same impaired water body with an approved TMDL (which has an aggregate WLA for all permitted stormwater MS4s), the MS4s may combine or share efforts, in consultation with/and the approval of NMED, to determine an alternative sub-measurable goal derived from the WLA for the pollutant(s) of concern (e.g., bacteria) for their respective MS4. The SWMP must clearly define this alternative approach and must describe how the sub-measurable goals would cumulatively support the aggregate WLA. Where an aggregate WLA measurable goal has been broken into sub-measurable goals for individual MS4s, each permittee is only responsible for progress in meeting its WLA sub-measurable goal.</p> | <p><u>Part I.C.2.b.(i).(c).B</u> - AMAFCA identified in its NOI that it was seeking, as part of a group of MS4s, an alternative sub-measurable goal for TMDL control under this part of the Permit. NMED and EPA were informed of this decision and NMED has worked with the CMC to help establish the cooperative waste load allocation (WLA) values and methodology for calculating E. coli loading. AMAFCA will continue following the established methodology for applying this to the CMC monitoring results.</p> | <p>• AMAFCA, as part of the CMC, will use the analytical results obtained in the Rio Grande during the CMC sampling and calculate an E. coli loading to compare with the waste load allocation allotted for the cooperative portion for the two defined stream assessment units of the Rio Grande (Isleta to Alameda and Alameda to Angostura). These calculations will be provided in each Annual Report, if applicable, as part of the CMC monitoring memos. AMAFCA will incorporate documentation by reference into the Annual Report and plans to provide documentation on the AMAFCA website.</p> | <p>Met FY 2024 Goal.</p> <ul style="list-style-type: none"> • The required CMC sampling for the MS4 Permit term in the Rio Grande (2016 to 2019) was completed in FY 2019. The MRG Watershed Based MS4 Permit entered into administrative continuance in Dec. 2019 when EPA Region 6 did not issue a new MS4 Permit before the current MS4 Permit expiration date. The MS4 TAG sent EPA an Administrative Continuance letter dated October 15, 2019. Until a new MS4 Permit is issued, there are no compliance monitoring requirements in the Rio Grande. <p>There was two (2) qualifying storm event monitored by the CMC in FY 2024. E. coli loading calculations were completed in FY 2024. The CMC memo summarizing the FY 2024 CMC wet weather monitoring activity, results, and E. coli loading calculations is attached to this Annual Report.</p> |

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| Not Included in NOI | 31 | <p>According to the requirements in <u>Part I.C.2.b.(i).(f)</u>, 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:</p> <p>A. Evaluating Program Implementation Measures or B. Assessing Improvements in Water Quality</p> <p>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.</p> | <p><u>Part I.C.2.b.(i).(f)</u> - AMAFCA will assess and evaluate the program and progress in achieving the targeted controls and measurable goals listed above by tracking the number of educational outreach opportunities conducted and tracking the number of people reached through the educational outreach program. AMAFCA will incorporate documentation by reference into the Annual Report and plans to document progress on the AMAFCA website.</p> <p>AMAFCA is part of the Compliance Monitoring Cooperative (CMC) group, established in 2016, with 12 watershed partners cooperating for the Wet Weather Monitoring Program requirements. In addition, AMAFCA will monitor and test for E. coli at its facilities within the watershed. This internal monitoring program sampling will be done in accordance with Part III.A of the MS4 Permit and will assist with a water quality assessment of the overall watershed related to E. coli.</p> | <ul style="list-style-type: none"> The MRGSQT Outcomes Report will track the number of educational outreach opportunities conducted and list the number of people reached through the educational outreach program. This report is available upon request and AMAFCA plans to share this document on its website. AMAFCA will conduct stormwater monitoring in accordance with the Wet Weather Monitoring Program, Part III.A.1 as part of the CMC. The goals and plan for this program are described in the Wet Weather Monitoring Program portion of this SWMP. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> The MRGSQT Outcomes Report summarizes the educational and outreach programs for FY 2024. This report is contained in the Program Summaries section of the Annual Report. AMAFCA has continued involvement with the Compliance Monitoring Cooperative (CMC) group, established in 2016, with 12 watershed partners cooperating for the Wet Weather Monitoring Program requirements. At the end of FY 2019, the CMC members had met all Wet Weather sample collection requirements in the MS4 Permit. The MRG Watershed Based MS4 Permit entered into administrative continuance in Dec. 2019 when EPA Region 6 did not issue a new MS4 Permit before the current MS4 Permit expiration date. The MS4 TAG sent EPA an Administrative Continuance letter dated October 15, 2019. Until a new MS4 Permit is issued, there are no compliance monitoring requirements in the Rio Grande. There was two (2) qualifying storm event monitored by the CMC in FY 2024. If the CMC does continue wet weather compliance monitoring during administrative continuance of this MS4 Permit, AMAFCA will summarize, as applicable, any wet weather monitoring activity, results, and E. coli loading calculations in future Program Summaries. |
| Not Included in NOI | 32 | <p><u>Part I.C.2.b.(i).(g)</u> - 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.</p> | <p><u>Part I.C.2.b.(i).(g)</u> - AMAFCA, in cooperation with the TAG, MRGSQT, and CMC has observed progress towards E. coli controls and measurable goals. However, the impairment for E. coli has been re-listed in NMED's 2020-2022 State of New Mexico Clean Water Act Section 303(d)/Section 305(b) Integrated Report for 3 of the 4 assessment segments along the river within the Middle Rio Grande corridor; all 4 assessment segments in the Middle Rio Grande, from Isleta Pueblo Boundary to Angostura, currently has an E. coli impairment. The CMC will continue to collect data during administrative continuance of the Permit to determine if the E. coli trend that previously de-listed the impairment or data that re-listed the impairment is the baseline.</p> <p>AMAFCA will annually assess and evaluate the program and progress in achieving the measurable goals listed in the sections above. In addition to the measurable goals listed above, Microbial Source Tracking (MST) studies may be a tool used for the assessment and evaluation of the program. AMAFCA will also continue to participate in regional water quality studies and plans, as opportunities become available, to continue to look for collaborative opportunities to improve this program.</p> | <ul style="list-style-type: none"> AMAFCA will continue to annually assess and evaluate the program and progress in achieving the measurable goals listed above. In addition to the measurable goals listed above, Microbial Source Tracking (MST) studies may be a tool used for the assessment and evaluation of the program. AMAFCA will continue to participate in regional water quality studies and plans, as opportunities become available. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> The required CMC sampling for the MS4 Permit term in the Rio Grande (2016 to 2019) was completed in FY 2019. The MRG Watershed Based MS4 Permit entered into administrative continuance in Dec. 2019 when EPA Region 6 did not issue a new MS4 Permit before the current MS4 Permit expiration date. Additional details are provided above. The MRGSQT has funded dry weather E. coli data collection by students in the Bosque Ecosystem Monitoring Program (BEMP) program to better understand the baseline concentration of E. coli before storm events. |

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| Not Included in NOI | 33 | Part I.C.2.b.(iii) - Table 1.a, Identify potential significant sources of the pollutant of concern entering your MS4. | Part I.C.2.b.(iii) - Table 1.a - In 2014-2015, AMAFCA contracted with a consultant to restudy the bacteria within the Middle Rio Grande, specifically to evaluate the bacteria data over the recent history to report the trend analysis and the impact to the Rio Grande. The report for this study, Middle Rio Grande Rio Grande E. coli Analysis and Research report for AMAFCA by water quality on-call engineer (CDM Smith), is available from AMAFCA upon request. An updated bacterial source tracking study is being assessed with COA and will be considered during this Permit term. AMAFCA, through the MRGSQT, has contracted with BEMP to study E. coli at various locations along the Rio Grande during dry weather in an effort to identify potential sources of E. coli. For determining the source (area) of E. coli, AMAFCA will continue its internal watershed stormwater quality monitoring. Collection of these samples are weather and equipment dependent. | <ul style="list-style-type: none"> 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. An updated bacterial source tracking study is being assessed with COA and will be considered during this Permit term. AMAFCA, with the MRGSQT, has contracted with BEMP to study E. coli at various locations along the Rio Grande during dry weather in an effort to identify potential sources of E. coli. For determining the source (area) of E. coli, AMAFCA will continue its internal watershed stormwater quality monitoring. AMAFCA monitoring memos for the internal watershed stormwater quality monitoring are available upon request. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> Plots of the AMAFCA collected E. coli data are included in AMAFCA's internal watershed stormwater quality monitoring reports, which are available upon request. AMAFCA, through the MRGSQT, has contracted with BEMP in calendar year 2024 to study E. coli at various locations along the Rio Grande during dry weather and after qualifying storm events in an effort to identify potential sources of E. coli. Results from this study are available upon request. The monitoring reports for FY 2024 for AMAFCA's internal watershed stormwater quality monitoring are available upon request. |
| Not Included in NOI | 34 | From Part I.C.2.b.(iii) - Table 1.a, Develop (or modify an existing program- for prior permittees under NMS000101) and implement a public education program to reduce the discharge of bacteria in municipal stormwater contributed by (if applicable) by pets, recreational and exhibition livestock, and zoos. | Part I.C.2.b.(iii) - Table 1.a - As stated above, AMAFCA will continue its focus on reducing pet waste through providing Mutt Mitt Stations and through continued involvement with the MRGSQT educational outreach "Scoop the Poop" campaign. | <ul style="list-style-type: none"> AMAFCA will continue to provide Mutt Mitt Stations and bags. AMAFCA will contribute and participate in the MRGSQT. The MRGSQT Outcomes Report will summarize the activities related to targeting pet waste sources and residential education targeting bacteria sources. This report is available upon request and AMAFCA plans to share this documentation on its website. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> AMAFCA continued its focus on reducing pet waste through providing Mutt Mitt Stations. Mutt Mitt Station supporting data for FY 2024 is available upon request. In FY 2024, AMAFCA continued to contribute to and participated in the MRGSQT, which included educational outreach for the "Scoop the Poop" and "There is no Poop Fairy" campaigns. The MRGSQT Outcomes Report summarizes the educational and outreach programs for FY 2024. This report is contained in the Program Summaries section of the Annual Report. |
| Not Included in NOI | 35 | From Part I.C.2.b.(iii) - Table 1.a, Develop (or modify an existing program- for prior permittees under NMS000101) and implement a program to reduce the discharge of bacteria in municipal stormwater contributed by areas within your MS4 served by on-site wastewater treatment systems. | Part I.C.2.b.(iii) - Table 1.a - As stated above, this is not applicable to AMAFCA. Through the IDDE Program, AMAFCA will continue coordination with ABCWUA, who will inform AMAFCA of any sanitary sewer overflows that impact AMAFCA facilities. | <ul style="list-style-type: none"> As stated above, this is not applicable to AMAFCA. Through the IDDE Program, AMAFCA will continue coordination with ABCWUA, who will inform AMAFCA of any sanitary sewer overflows that impact AMAFCA facilities. | <p>Met FY 2024 Goal.</p> <ul style="list-style-type: none"> AMAFCA received and reviewed the monthly DMR forms from ABCWUA. These reports are available upon request. These have also been entered into GIS to improve tracking and identify potential trends of the SSOs. |
| Not Included in NOI | 36 | From Part I.C.2.b.(iii) - Table 1.a, Review results to date from the Illicit Discharge Detection and Elimination program (see Part I.D.5.e) and modify as necessary to prioritize the detection and elimination of discharges contributing bacteria to the MS4. | Part I.C.2.b.(iii) - Table 1.a - AMAFCA will incorporate this Permit requirement into the IDDE program, refer to the SWMP - Table 6: Illicit Discharges and Improper Disposal - for additional information. | <ul style="list-style-type: none"> AMAFCA will address this Permit activity in the IDDE Program, refer to the SWMP - Table 6: Illicit Discharges and Improper Disposal - for additional information. | <p>Met FY 2024 Goal.</p> <ul style="list-style-type: none"> AMAFCA addresses this Permit activity in the Illicit Discharges and Improper Disposal Control Measure. |
| Not Included in NOI | 37 | Part I.C.2.b.(iii) - Table 1.a - Develop (or modify an existing program- for prior permittees under NMS000101) and implement a program to reduce the discharge of bacteria in municipal stormwater contributed by other significant source identified in the Illicit Discharge Detection and Elimination program (see Part I.D.5.e). | Part I.C.2.b.(iii) - Table 1.a - This requirement will be addressed in conjunction with AMAFCA's IDDE Program, refer to the SWMP Table 6: Illicit Discharges and Improper Disposal, for additional information. AMAFCA will review its IDDE Program results annually and identify illicit discharges (specific as well as general types of discharges and/or locations of discharges) that contributed bacteria to the MS4. Strategies will be developed to address these specific or general IDDES. Development and implementation of strategies will depend on the IDDE program results. | <ul style="list-style-type: none"> AMAFCA will review its IDDE Program results annually. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> AMAFCA addresses this Permit activity in the Illicit Discharges and Improper Disposal Control Measure. |

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| Not Included in NOI | 38 | Include in the Annual Reports progress on program implementation and reducing the bacteria and updates their measurable goals as necessary. As required in Part 1.C.2.b.(i)(d) , the Annual Report must include an analysis of how the selected BMPs have been effective in contributing to achieving the measurable goal and shall include graphic representation of pollutant trends, along with computations of annual percent reductions achieved from the baseline loads and comparisons with the target loads. | Part 1.C.2.b.(i)(d) - The MRGSQT Outcomes Report will track the number of educational outreach opportunities conducted, list the number of people reached through the educational outreach program, and summarize the activities related to targeting pet waste sources as well as residential education targeting bacteria sources. This report is available upon request and AMAFCA plans to share this document on its website. In addition, if strategies are developed to address IDDEs found to contribute bacteria to the MS4, these will be reported in subsequent Annual Reports. AMAFCA will report annually on compliance monitoring to monitor and test for E. coli. This reporting will be done in accordance with Part III.A (Wet Weather Monitoring Program) of the MS4 Permit and will help with a water quality assessment of the overall watershed related to E. coli. Graphical representation of E. coli trends will also be completed annually. | <ul style="list-style-type: none"> The MRGSQT Outcomes Report is available upon request and AMAFCA plans to share this document on its website. Strategies developed to address IDDEs found to contribute bacteria to the MS4 will be reported in subsequent Annual Reports. AMAFCA will incorporate documentation by reference into the Annual Report and plans to document progress on the AMAFCA website. AMAFCA will report annually on compliance monitoring to monitor and test for E. coli. This reporting will be done in accordance with Part III.A (Wet Weather Monitoring Program) of the MS4 Permit. Graphical representation of E. coli trends will also be completed annually. | Met FY 2024 Goals. <ul style="list-style-type: none"> The MRGSQT Outcomes Report summarizes the educational and outreach programs for FY 2024. This report is contained in the Program Summaries section of the Annual Report. Plots of the AMAFCA collected E. coli data are included in AMAFCA's internal watershed stormwater quality monitoring reports, which are available upon request and also provided in the Program Summary. |

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| | 39 | Discharges to Impaired Waters Without Approved TMDLs - Part I.C.2.b.(ii) | | | |
| Not Included in NOI | 40 | <p>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).</p> | <p>Part I.C.2.b.(ii) - The Rio Grande impairments are listed on the EPA Annual Report Summary Form, pages 1-2.</p> <p>The Tijeras Arroyo upstream of the Four Hills Bridge is impaired for nutrient/eutrophication. The Tijeras Arroyo upstream of the Four Hills Bridge is all privately owned land. AMAFCA's operation and maintenance authority and access to the Tijeras Arroyo terminate at the Four Hills Bridge. Therefore, there are no requirements in this SWMP to comply with the activities and schedules related to Impairment for Nutrients in Table 1.b in Part I.C.2.b.(iii). AMAFCA does monitor for nutrients through its Wet Weather Monitoring Program, see Table 10 of the SWMP.</p> | <ul style="list-style-type: none"> • Impairment for Dissolved Oxygen is addressed in the Endangered Species Act (ESA) section - Part I.C.3. The SWMP section for Part I.C.3 describes the proposed plan and measurable goals. • Impairment for PCBs is addressed in Compliance with Water Quality Standards - PCBs - Part I.C.1.e. The SWMP section for Part I.C.1.e describes the proposed plan and measurable goals. • Impairment for Temperature is addressed in Compliance with Water Quality Standards - Temperature - Part I.C.1.f. The SWMP section for Part I.C.1.f describes the proposed plan and measurable goals. • Compliance monitoring (Part III.A) includes Gross Alpha testing. Future assessment related to the impairment will be based on results of those samples. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • AMAFCA addresses this Permit activity in other Permit sections - please refer to these sections of the Annual Report for the FY 2024 status of implementation and performance assessment. - Dissolved Oxygen is addressed in the Endangered Species Act (ESA) section - Part I.C.3.a. - PCBs are addressed in Compliance with Water Quality Standards - PCBs - Part I.C.1.e. - Temperature is addressed in Compliance with Water Quality Standards - Temperature - Part I.C.1.f. - Gross Alpha is part of the Wet Weather Monitoring - Part III.A. |
| Not Included in NOI | 41 | <p>Part I.C.2.b.(ii).(a) - The permittee shall:</p> <p>A. Determine whether the MS4 may be a source of the pollutant(s) of concern by referring to the CWA §303(d) list and then determining if discharges from the MS4 would be likely to contain the pollutant(s) of concern at levels of concern. The evaluation of CWA §303(d) list parameters should be carried out based on an analysis of existing data (e.g., IDDE Program) conducted within the permittee's jurisdiction.</p> <p>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.</p> <p>C. Amend the SWMP to include any BMPs to address the pollutant(s) of concern.</p> | <p>Part I.C.2.b.(ii).(a) - Most of the impaired pollutants of concern are specifically addressed in other sections of the MS4 Program and therefore in other sections of the SWMP. Please refer to: Dissolved Oxygen and Endangered Species Act (ESA) section - Part I.C.3; PCBs are addressed in Compliance with Water Quality Standards - PCBs - Part I.C.1.e; and Temperature is addressed in Compliance with Water Quality Standards - Temperature - Part I.C.1.f.</p> <p>Compliance monitoring (Part III.A) includes Gross Alpha testing. The testing will allow AMAFCA to determine background level relative to stormwater discharges. Future assessment related to this impairment will be based on results of those samples.</p> | <p>Refer to other SWMP sections for:</p> <ul style="list-style-type: none"> - Dissolved Oxygen is addressed in the Endangered Species Act (ESA) section - Part I.C.3. - PCBs are addressed in Compliance with Water Quality Standards - PCBs - Part I.C.1.e. - Temperature is addressed in Compliance with Water Quality Standards - Temperature - Part I.C.1.f. • Compliance monitoring (Part III.A) includes Gross Alpha testing. Future assessment and strategies related to this impairment will be based on results of the stormwater samples. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • AMAFCA addresses this Permit activity in other Permit sections. Please refer to these sections of the Annual Report for the FY 2024 status of implementation and performance assessment. - Dissolved Oxygen is addressed in the Endangered Species Act (ESA) section - Part I.C.3.a. - PCBs are addressed in Compliance with Water Quality Standards - PCBs - Part I.C.1.e. - Temperature is addressed in Compliance with Water Quality Standards - Temperature - Part I.C.1.f. - Gross Alpha is addressed in the Wet Weather Monitoring - Part III.A. |

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| | 42 | Endangered Species Act (ESA) Requirements - Sediment Pollutant Load Reduction Strategy - Part I.C.3.b | | | |
| Not Included in NOI | 43 | According to the requirements in <u>Part I.C.3.b</u> , 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): | <u>Part I.C.3.b</u> - AMAFCA's proposed plan for compliance with the Permit activities are described in the sections below. | AMAFCA's measurable goals for compliance with the Permit activities are described in the sections below. | See specific Permit activity below. |
| Not Included in NOI | 44 | <u>Part I.C.3.b.(i)</u> - 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. | <u>Part I.C.3.b.(i)</u> - All AMAFCA projects are regional flood control or water quality projects. Stormwater runoff from other MS4s enter AMAFCA facilities, which function as regional flood control facilities and also function as BMPs to capture sediment from stormwater before the stormwater continues to the Rio Grande. In the MRG MS4, AMAFCA is not adversely contributing to the sediment pollutant load, but rather functioning to capture the sediment pollutant load generated throughout the watershed by MS4s contributing runoff to AMAFCA facilities. A large portion of AMAFCA's routine activities include sediment removal from its facilities. AMAFCA has implemented a crew tracking system to measure the sediment removal quantities at all of its facilities. The data collected will be used by AMAFCA for the required MS4 Sediment Assessment. As part of AMAFCA's regular O&M activities, AMAFCA will continue the sediment assessment phase by tracking and estimating the volume of sediment removed from their stormwater facilities annually. The tracking of this data will continue and will be valuable to AMAFCA as it applies to this program and to future planning activities. In addition, AMAFCA will continue a rainfall and runoff monitoring program to quantitatively relate sediment removal to rainfall quantity, location, and runoff volume. AMAFCA has standard operating procedures (SOPs) related to operation and maintenance and a scheduling spreadsheet for inspections. These SOPs and procedures ensure that AMAFCA has accurate data related to sediment removal activities. | <ul style="list-style-type: none"> AMAFCA's facilities function as BMPs for sediment removal. AMAFCA's O&M activities, which include sediment removal, will be scheduled, tracked, and evaluated for the Sediment Assessment requirement for this Permit activity. AMAFCA will continue using a crew tracking system to measure the sediment removal quantities at all of its facilities and use this information for the Sediment Assessment. AMAFCA will continue to utilize GIS to view this information to better understand the watershed. AMAFCA will continue with a rainfall and runoff monitoring program to continue to quantitatively relate sediment removal to rainfall quantity, location, and runoff volume. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> In FY 2024, AMAFCA adhered to its current established procedures in the "AMAFCA O&M Manual for Dams" and the "AMAFCA O&M Repair Replacement and Rehabilitation Manual" for sediment removal activities. Refer to the Pollution Retention/Good Housekeeping Control Measure for additional information. AMAFCA's crew tracking system and database lists each of its stormwater quality facilities by drainage basin. These facilities are also shown on the AMAFCA Maintenance Map, available online: http://www.amafca.org/maps-2/. In FY 2024, AMAFCA discontinued operation and analysis from Levelloggers located at the channelized inlets to the NDC on AMAFCA ROW. This activity was removed during FY 2024 in conjunction with modifications to AMAFCA SWMP Rev. 6. The AMAFCA SWMP Rev. 7 was adopted on July 1, 2024. |

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| Not Included in NOI | 45 | <p><u>Part I.C.3.b.(ii)</u> - 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.</p> | <p><u>Part I.C.3.b.(ii)</u> - In 2016, the COA, with cooperation from AMAFCA and area MS4s, completed an initial sediment assessment, "City of Albuquerque 2016 Sediment Assessment". This initial study assisted in establishing the baseline for the sediment assessment. In FY 2019, AMAFCA cooperated with Bernalillo County, who led the effort for the watershed to complete the estimated baseline sediment loading evaluation. Sediment loads are provided for targeted areas in the entire Middle Rio Grande Watershed using a cooperative approach. The "Progress Evaluation Report for the Sediment Pollutant Load Reduction Strategy" report, June 25, 2019 summarizes the sediment loading evaluation at five main outfalls into the Rio Grande. The data AMAFCA collected in the Sediment Assessment was used for estimating baseline sediment loading to its facilities. AMAFCA will review the "Progress Evaluation Report for the Sediment Pollutant Load Reduction Strategy" report and discuss the findings with the watershed MS4s. The results of this study may be used to guide the overall program plans and goals.</p> <p>Rainfall events and generated runoff are related to loading (sediment transport). AMAFCA has developed and began implementation of a rainfall and runoff monitoring program to begin to quantitatively tie sediment quantities reaching AMAFCA facilities (sediment removal volumes) to rainfall quantity, location, and runoff volumes.</p> | <ul style="list-style-type: none"> • AMAFCA will review the "Progress Evaluation Report for the Sediment Pollutant Load Reduction Strategy" report and discuss the findings with the watershed MS4s. The results of this study may be used to guide the overall program plans and goals. Updates to the Sediment Pollutant Load Reduction Strategy will be implemented, as applicable. • AMAFCA will continue with the development and implementation of a rainfall and runoff monitoring program to begin to quantitatively tie sediment removal to rainfall quantity, location, and runoff volume. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • AMAFCA has reviewed the "Progress Evaluation Report for the Sediment Pollutant Load Reduction Strategy" report, June 25, 2019 which summarizes the sediment loading evaluation at five main outfalls into the Rio Grande. In FY 2024, there were no updates to report. • In FY 2024, AMAFCA discontinued operation and analysis from Leveloggers located at the channelized inlets to the NDC on AMAFCA ROW. This activity was removed during FY 2024 in conjunction with modifications to AMAFCA SWMP Rev. 6. The AMAFCA SWMP Rev. 7 was adopted on July 1, 2024. |
| Not Included in NOI | 46 | <p><u>Part I.C.3.b.(iii)</u> - 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.</p> | <p><u>Part I.C.3.b.(iii)</u> - AMAFCA facilities function as regional flood control facilities as well as BMPs to remove sediment from stormwater before the stormwater reaches the Rio Grande. In the MRG MS4, AMAFCA is not adversely contributing to the sediment pollutant load, but rather functioning to capture the sediment pollutant load generated throughout the watershed by MS4s contributing runoff to AMAFCA facilities. As such, AMAFCA does not want to reduce the sediment loads but rather implement targeted controls to increase the capture of sediment in its facilities.</p> <p>The completed analysis of the Sediment Assessment and Estimated Baseline Loading will be used by AMAFCA to improve their program to target and prioritize sediment removal throughout the watershed. AMAFCA will continue to estimate the annual volume of sediment removed from each control facility. The AMAFCA operations and maintenance crew and subcontractors track the volume of floatables, sediment, trash, and debris removed from AMAFCA facilities on a daily basis. This tracking procedure includes the location of removal by facility and watershed. AMAFCA will continue to utilize the 2017 updated, cooperative waste characterization study, updating the "AMAFCA/Albuquerque MS4 Floatable and Gross Pollutant Study" conducted in 2005, to assist with determining needed controls and BMPs that may be implemented to reduce sediment pollutant loads. AMAFCA will continue analyzing, planning, and constructing needed sediment control BMPs. The AMAFCA Project Schedule process may be utilized in part for identifying, ranking, and planning area BMPs. AMAFCA's Mutt Mitt stations program will continue as a targeted BMP to reduce pollutants (specifically E. coli) present in sediment within the MS4.</p> | <ul style="list-style-type: none"> • AMAFCA will review the "Progress Evaluation Report for the Sediment Pollutant Load Reduction Strategy" report and discuss the findings with the watershed MS4s. The results of this study may be used to guide the overall program plans and goals. Updates to the Sediment Pollutant Load Reduction Strategy will be implemented, as applicable. • AMAFCA will continue to estimate the annual volume of sediment removed from each control facility. The AMAFCA operations and maintenance crew and subcontractors track the volume of floatables, sediment, trash, and debris removed from AMAFCA facilities on a daily basis. This tracking procedure includes the location of removal by facility and watershed. • AMAFCA will continue utilizing the updated, cooperative waste characterization study in the watershed to assist with determining needed controls and BMPs that may be implemented to reduce sediment pollutant loads. • AMAFCA will continue analyzing, planning, and constructing needed sediment control BMPs. The AMAFCA Project Schedule process may be utilized in part for identifying, ranking, and planning area BMPs. • AMAFCA will continue its Mutt Mitt program focusing on reducing pollutants (specifically E. coli) present in sediment within the MS4. | <p>No Goals Required for FY 2024.</p> <ul style="list-style-type: none"> • The "Progress Evaluation Report for the Sediment Pollutant Load Reduction Strategy" report was completed at the end of FY 2019. An important element of the Strategy is the use of targeted controls and BMPs to reduce sediment transport by stormwater into the receiving water of the Rio Grande. In FY 2024, AMAFCA continued to maintain, design, and construct BMPs throughout its jurisdiction to reduce sediment transport by stormwater into the receiving water of the Rio Grande. • In FY 2024, AMAFCA continued use of the crew tracking system and database to estimate the volume of trash, homeless debris, sediment, and vegetation removed from its water quality facilities. Summary information is provided in the Program Summary and additional details are available upon request. • In FY 2024, AMAFCA continued its Mutt Mitt Station Program. Summary information for the Mutt Mitt Stations and bags is provided in the Program Summary and additional details are available upon request. |

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| Not Included in NOI | 47 | <p><u>Part I.C.3.b.(iv)</u> - 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.</p> | <p><u>Part I.C.3.b.(iv)</u> - AMAFCA will annually assess progress for this program. AMAFCA will monitor the volume of sediment captured by each of its facilities by measuring the volume of sediment removed from each facility. Documentation of this monitoring will be done using the tracking spreadsheet and procedure. AMAFCA will incorporate documentation by reference into the Annual Report and plans to document progress on the AMAFCA website. In addition, as mentioned above, AMAFCA will use the "Progress Evaluation Report for the Sediment Pollutant Load Reduction Strategy" report to guide the overall program plans and goals. Related monitoring also occurs through the Levellogger program, monitoring rainfall events and generated runoff. Monitoring and assessment will be considered during the development of future program plans and goals.</p> | <ul style="list-style-type: none"> • AMAFCA will incorporate documentation by reference into the Annual Report. • Documentation of volume of sediment removed will continue to be done using the crew tracking spreadsheet and procedure. • AMAFCA Levellogger information are available upon request and AMAFCA plans to share related documents on its website. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • In FY 2024, AMAFCA continued utilizing the crew tracking system and database for sediment assessment and estimating baseline loading. Additional information is available upon request. • In FY 2024, AMAFCA discontinued operation and analysis from Levelloggers located at the channelized inlets to the NDC on AMAFCA ROW. This activity was removed during FY 2024 in conjunction with modifications to AMAFCA SWMP Rev. 6. The AMAFCA SWMP Rev. 7 was adopted on July 1, 2024. |
| Not Included in NOI | 48 | <p><u>Part I.C.3.b.(v)</u> - 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:</p> <p>(a) A list of species likely to be within the action area;</p> <p>(b) Type and number of structural BMPs installed;</p> <p>(c) Evaluation of pollutant source reduction effects;</p> <p>(d) Any recommendation based on program evaluation;</p> <p>(e) Description of how the interim sediment load reduction goals established in Part I.C.3.b.(iii) were achieved; and</p> <p>(f) Future planning activities needed to achieve increase of sediment load reduction required in Part I.C.3.d.(iii).</p> | <p><u>Part I.C.3.b.(v)</u> - AMAFCA facilities function as regional flood control facilities as well as BMPs to remove sediment from stormwater before the stormwater reaches the Rio Grande. In the MRG MS4, AMAFCA is not adversely contributing to the sediment pollutant load, but rather functioning to capture the sediment pollutant load generated throughout the watershed by MS4s contributing runoff to AMAFCA facilities. AMAFCA's goal is to implement targeted controls to increase the capture of sediment in its facilities rather than reducing sediment loads. AMAFCA worked cooperatively with Bernalillo County, City of Albuquerque, and SSCAFCA to complete this MS4 Permit requirement. The Progress Report on the Sediment Pollutant Load Reduction Strategy. This Progress report meets the MS4 Permit requirements, including:</p> <p>(a) A list of species likely to be within the action area;</p> <p>(b) Type and number of structural BMPs installed;</p> <p>(c) Evaluation of pollutant source reduction effects;</p> <p>(d) Any recommendation based on program evaluation;</p> <p>(e) Description of how the interim sediment load reduction goals established in Part I.C.3.b.(iii) were achieved; and</p> <p>(f) Future planning activities needed to achieve increase of sediment load reduction required in Part I.C.3.d.(iii).</p> <p>Related to the elements required by this Progress report, AMAFCA will continue to 1) maintain a cumulative list of AMAFCA's retrofit BMPs and 2) may utilize the AMAFCA Project Schedule process in part for identifying, ranking, and planning area BMPs to meet recommendations from this program evaluation.</p> | <ul style="list-style-type: none"> • AMAFCA has completed this report and provided this to EPA with the FY 2019 Annual Report, December 1, 2019, a Progress Report on the Sediment Pollutant Load Reduction Strategy. AMAFCA cooperated with Bernalillo County, who led the effort for the watershed to complete the estimated baseline sediment loading. The City of Albuquerque and SSCAFCA also cooperated on this watershed wide strategy. • Related to requirement (c), AMAFCA will continue to maintain a cumulative list of AMAFCA's retrofit BMPs. AMAFCA will incorporate documentation by reference into the Annual Report and plans to document progress on the AMAFCA website. • Related to requirement (d) AMAFCA's Project Schedule process may be utilized in part for identifying, ranking, and planning area BMPs to meet recommendations from this program evaluation. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • The submission of the "Progress Evaluation Report for the Sediment Pollutant Load Reduction Strategy" report, June 25, 2019, with the FY 2019 Annual Report completes and meets the MS4 Permit requirements. Moving forward, future activities (planned, as well as implemented) determined to be needed to achieve improved sediment load reduction will be summarized in the Annual Reports. In FY 2024, there were no updates to report. • A cumulative list of AMAFCA's retrofit BMPs is available in upon request. • Related to requirement (c), the program elements above describe AMAFCA's methods for evaluation of pollutant source reduction effects. • Related to requirement (d), AMAFCA utilized the 2025 AMAFCA Project Schedule to focus on project priority BMPs for the community. |
| Not Included in NOI | 49 | <p><u>Part I.C.3.b.(vi)</u> - 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/.</p> | <p><u>Part I.C.3.b.(vi)</u> - AMAFCA considers critical habitat for all of its projects, working closely with the USFWS and USACE, as required, and will continue this practice related to any BMPs installed related to sediment capture and removal.</p> | <ul style="list-style-type: none"> • AMAFCA will continue its practice of coordination with the USFWS and USACE, as required, related to AMAFCA's facility construction projects. | <p>Met FY 2024 Goal.</p> <ul style="list-style-type: none"> • In FY 2024, USACE provided a letter releasing AMAFCA from any further revegetation monitoring requirements at the NDC outfall related to the special conditions of the USACE Regional General Permit. USACE determined that the site has met the revegetation performance goals. AMAFCA received notification from USACE in FY 2024 documenting that the Special Conditions of the Regional General Permit relative to vegetation monitoring had been fully satisfied and monitoring was no longer required at the NDC Outfall. |

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| | 50 | Part I.D.5 - Stormwater Management Plan (SWMP) Control Measures | | | |
| | 51 | TABLE 2: Construction Site Stormwater Runoff Control - Part I.D.5.a | | | |
| See NOI Sections Below | 52 | <p><u>Part I.D.5.a.(i)</u> The permittee shall develop, revise, implement, and enforce a program to reduce pollutants in any stormwater runoff to the MS4 from construction activities that result in a land disturbance of greater than or equal to one acre. Reduction of stormwater discharges from construction activity disturbing less than one acre must be included in the program if that construction activity is part of a larger common plan of development or sale that would disturb one acre or more. Permittees previously covered under permit NMS000101 or NMR040000 must continue existing programs, updating as necessary, to comply with the requirements of this permit. (Note: Highway Departments and Flood Control Authorities may only apply the construction site stormwater management program to the permittee's own construction projects).</p> | <p><u>Part I.D.5.a.(i)</u> - AMAFCA does not have jurisdiction over COA or Bernalillo County departments responsible for planning, review, permitting, or approval of public and private construction activities. However, AMAFCA does have jurisdiction over AMAFCA construction projects. Therefore, AMAFCA's Construction Site Stormwater Runoff Control Program addresses stormwater management during construction of AMAFCA projects that result in a land disturbance of greater than or equal to one acre, specifically when the construction contract is under AMAFCA. Coordination will continue to occur between AMAFCA's Stormwater Quality Engineer, Project Manager, Development Review Engineer, Drainage Engineer, Field Engineer, and Executive Engineer to ensure that the Program controls erosion and maintains sediment on site.</p> | <ul style="list-style-type: none"> Coordinate the Construction Site Stormwater Runoff Control Program requirements (as detailed in the Program and in sections below) with AMAFCA's Stormwater Quality Engineer, Project Manager, Development Review Engineer, Drainage Engineer, Field Engineer, and Executive Engineer to ensure that the Program controls erosion and maintains sediment on site for qualifying AMAFCA construction projects, as required under the Construction General Permit (CGP). | <p>Met FY 2024 Goal.</p> <ul style="list-style-type: none"> AMAFCA construction projects and activities were discussed at staff meetings and at monthly AMAFCA Board meetings, allowing coordination among AMAFCA staff to ensure that the MS4 program controls are followed for active and upcoming qualifying AMAFCA construction projects. AMAFCA continued to follow its Construction Site Stormwater Runoff Control Program. |
| 1.1 | 53 | <p>Development of an ordinance or other regulatory mechanism as required in <u>Part I.D.5.a.(ii)(a)</u>.</p> | <p><u>Part I.D.5.a.(ii)(a)</u>- To the extent permitted by law, AMAFCA will comply with the requirements of this section. As applicable, AMAFCA will begin inserting MS4 Permit elements into construction contracts to provide AMAFCA with an enforceable contract mechanism. AMAFCA will also continue to work with the cooperative MS4 Technical Advisory Group (TAG) and other agencies to discuss and help develop regulatory mechanisms. Except for special circumstances, AMAFCA's regular maintenance activities do not disturb more than 5 acres at a time.</p> | <ul style="list-style-type: none"> AMAFCA will begin inserting MS4 Permit elements into construction contracts to provide AMAFCA with an improved enforceable contract mechanism. AMAFCA will continue to work with the MS4 TAG and other agencies to discuss and help develop regulatory mechanisms. Except for special circumstances, AMAFCA's regular maintenance activities will not disturb more than 5 acres at a time. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> AMAFCA contractually requires NPDES compliance with the CGP for qualifying projects, which are construction sites greater than one (1) acre in size located on AMAFCA property for which AMAFCA holds the construction contract. AMAFCA continued to be involved in the MS4 TAG, facilitating cooperation and coordination with other MS4s in the Middle Rio Grande. In FY 2024, AMAFCA staff did not report any regular maintenance activities that disturbed more than five (5) acres at a time. |

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| 1.2 | 54 | <p>Develop requirements and procedures as required in Part I.D.5.a.(ii)(b) through Part I.D.5.a.(ii)(h). These Permit sections include requirements for AMAFCA to implement and enforce requirements for construction site operators to:</p> <p><u>Part I.D.5.a.(ii)(b)</u> - implement appropriate erosion and sediment control BMPs; <u>Part I.D.5.a.(ii)(c)</u> - control waste at the construction site that may cause adverse impacts to water quality; <u>Part I.D.5.a.(ii)(d)</u> - Procedures for site plan review which incorporate consideration of potential water quality impacts; <u>Part I.D.5.a.(ii)(e)</u> - Procedures for receipt and consideration of information submitted by the public; <u>Part I.D.5.a.(ii)(f)</u> - Procedures for site inspection (during construction) and enforcement of control measures, including provisions to ensure proper construction, operation, maintenance, and repair.</p> | <p><u>Part I.D.5.a.(ii)(b)</u> - As part of AMAFCA's Program, AMAFCA engineers will continue to review all site plans and the SWPPPs to ensure implementation of appropriate BMPs and consistency with federal, state, and local sediment and erosion control requirements for AMAFCA projects. Pre-construction meetings will be held prior to beginning construction and SWPPP BMPs will be reviewed and discussed.</p> <p><u>Part I.D.5.a.(ii)(c)</u> - AMAFCA ensures control of waste at construction sites during the SWPPP review, in accordance with the MS4 and CGP requirements.</p> <p><u>Part I.D.5.a.(ii)(d)</u> - In a cooperative effort with COA and Bernalillo County, the AMAFCA Development Review Engineer reviews private development that has a connection to AMAFCA facilities for projects disturbing at least one (1) acre. This review includes stormwater conveyance, water quality, and erosion control. In addition, AMAFCA staff performs and will continue to perform incremental reviews of all AMAFCA projects during design to assure quality control and design efficiency.</p> <p><u>Part I.D.5.a.(ii)(e)</u> - AMAFCA will post a contact phone number at all required construction sites to ensure the public can contact AMAFCA with information.</p> <p><u>Part I.D.5.a.(ii)(f)</u> - AMAFCA has procedures for construction site inspections of control measures to ensure compliance with the Construction General Permit (CGP). AMAFCA also has procedures in place to ensure site stabilization after NOT is filed.</p> | <ul style="list-style-type: none"> Review site plans and the SWPPPs (using the EPA SWPPP checklist) for AMAFCA projects disturbing at least one (1) acre in order to consider potential water quality impacts and ensure consistency with federal, state, and local sediment and erosion control requirements. Conduct pre-construction meetings on AMAFCA construction projects disturbing at least one (1) acre prior to beginning earth-disturbing activities in order to discuss the SWPPP and BMPs. SWPPP review will include ensuring the plans addresses control of waste at construction sites for AMAFCA projects. In a cooperative effort with COA and Bernalillo County, the AMAFCA Development Review Engineer will review submitted private development that has a connection to AMAFCA facilities for projects disturbing at least one (1) acre. Review may include stormwater conveyance, water quality, and erosion control. AMAFCA will post a contact phone number at all required construction sites. AMAFCA will continue to utilize construction inspection procedures for control measures to ensure compliance with the Construction General Permit (CGP). | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> AMAFCA continued to follow its Construction Site Stormwater Runoff Control Program. AMAFCA reviewed 100% of the AMAFCA project SWPPPs using the most recent EPA CGP SWPPP checklist/template to guide the reviews. NOIs were submitted for 100% of the FY 2024 CGP qualifying AMAFCA projects. AMAFCA conducted pre-construction meetings for all qualifying AMAFCA construction projects prior to beginning earth-disturbing activities. AMAFCA's SWPPP reviews included ensuring the plan addresses control of waste at construction sites. AMAFCA reviewed private development that had a connection to AMAFCA facilities for projects disturbing at least one (1) acre. Review included stormwater conveyance, water quality, and erosion control. AMAFCA verified that the Contractors posted an AMAFCA contact phone number, as required, at AMAFCA construction sites. AMAFCA continued to utilize construction inspection procedures for control measures to ensure compliance with the CGP. |
| | 55 | <p>Continued...Develop requirements and procedures as required in Part I.D.5.a.(ii)(b) through Part I.D.5.a.(ii)(h).</p> <p><u>Part I.D.5.a.(ii)(g)</u> - to educate and train permittee personnel and developers, construction site operators, contractors and supporting personnel; and</p> <p><u>Part I.D.5.a.(ii)(h)</u> - for keeping records of and tracking all regulated construction activities within the MS4 - site reviews, inspections, inspection reports, warning letters and other enforcement documents. A summary of the number and frequency of site reviews, inspections (including inspector's checklist for oversight of sediment and erosion controls and proper disposal of construction wastes) and enforcement activities that are conducted annually and cumulatively during the permit term shall be included in each Annual Report.</p> | <p><u>Part I.D.5.a.(ii)(g)</u> - AMAFCA will provide MS4 construction site inspection training for its staff and invite other agencies to attend trainings, when possible. In addition, construction site SWPPPs will continue to be discussed regularly by AMAFCA personnel.</p> <p><u>Part I.D.5.a.(ii)(h)</u> - AMAFCA will maintain records of all AMAFCA-led projects disturbing at least one (1) acre within its rights-of-way. This will include AMAFCA's Construction Site Stormwater Runoff Control Program records, including NOIs, NOI tracking, inspection reports, non-conformance documents, and training documents. AMAFCA will maintain its MS4 Strategies and Procedures Notebook. AMAFCA's license agreements relative to CGP compliance for non-AMAFCA projects that occur within its rights-of-way are the responsibility of the licensee.</p> | <ul style="list-style-type: none"> AMAFCA will continue to provide MS4 construction site inspection training for its staff and invite other agencies responsible for construction projects. In addition, construction site SWPPPs will continue to be discussed at weekly staff meetings, included in daily reports by field personnel, and discussed at AMAFCA Board meetings. AMAFCA will maintain records of all construction projects disturbing at least one (1) acre within its rights-of-way that do not qualify for a Low Erosivity Waiver (LEW). AMAFCA will maintain a tracking spreadsheet for the Construction Site Stormwater Runoff Control Program elements for AMAFCA-led projects. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> AMAFCA continued to maintain all construction project records disturbing at least one (1) acre within its rights-of-way. |

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| 1.3 | 56 | <p><u>Part I.D.5.a.(iii)</u>. Annually conduct site inspections of 100 percent of all construction projects cumulatively disturbing one (1) or more acres as required in Part I.D.5.a.(iii).</p> | <p><u>Part I.D.5.a.(iii)</u> - As part of AMAFCA's Program, AMAFCA staff will continue to perform field inspections of AMAFCA construction projects which disturb at least one (1) acre. At a minimum, each project will be inspected once after filing the NOI (including follow-up inspections for any nonconformances) and at the NOT. An inspection form has been developed and will be used for all inspections. Should the contractor fail to operate, maintain and repair the BMPs and control measures, AMAFCA staff have the contractual authority to temporarily suspend work, withhold/stop payment, or terminate the contract should such issues go uncorrected. AMAFCA's license agreements for non-AMAFCA projects that occur within its rights-of-way are not inspected by AMAFCA and are the responsibility of the licensee. As AMAFCA partners with other MS4s, such as COA, UNM, or ExpoNM on construction projects, AMAFCA will continue to coordinate with those cooperating MS4s in order to assign responsibility of conducting site inspections.</p> | <ul style="list-style-type: none"> • AMAFCA will complete the inspections per the Construction Site Stormwater Runoff Control Program Plan for 100% of the active construction sites under contract by AMAFCA which disturb at least one (1) acre. AMAFCA will provide each contractor with a rain gage for each construction site to facilitate construction inspections. • AMAFCA's Stormwater Quality Engineer will track all MS4 inspections using the NOI Construction Inspection Tracking spreadsheet. • AMAFCA will maintain copies of the completed MS4 construction inspection forms. • AMAFCA will continue membership and involvement in the cooperative MS4 TAG, which will facilitate cooperation and coordination with other MS4s in the Middle Rio Grande. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • For qualifying projects - construction sites greater than one (1) acre in size for which AMAFCA holds the construction contract - AMAFCA conducted site inspections for 100% of the projects in accordance with this MS4 Permit in FY 2024. In FY 2024, there was no need to suspend work. • AMAFCA continued to track all AMAFCA projects disturbing at least one (1) acre, including the NOI and NOT filing and MS4 inspections. • AMAFCA maintains copies of all MS4 construction inspections forms. • AMAFCA continued to be involved in the MS4 TAG, facilitating cooperation and coordination with other MS4s in the Middle Rio Grande. |
| 1.4 | 57 | <p><u>Part I.D.5.a.(iv)</u>. Coordinate with all departments and boards with jurisdiction over the planning, review, permitting, or approval of public and private construction projects/activities within the permit area as required in Part I.D.5.a.(iv). Planning documents include, but are not limited to: comprehensive or master plans, subdivision ordinances, general land use plan, zoning code, transportation master plan, specific area plans, such as sector plan, site area plans, corridor plans, or unified development ordinances.</p> | <p><u>Part I.D.5.a.(iv)</u> - AMAFCA does not have jurisdiction over the planning, review, permitting, or approval of non-AMAFCA public and private construction activities. Therefore, AMAFCA's program is limited to AMAFCA-owned properties. Regular coordination among AMAFCA staff, as well as with Board members, occurs and will continue.</p> <p>In a cooperative effort with COA and Bernalillo County, the AMAFCA Development Review Engineer will continue to coordinate with and to review public and private development that has a connection to AMAFCA facilities for projects disturbing at least one (1) acre.</p> | <ul style="list-style-type: none"> • AMAFCA will continue regular coordination amongst AMAFCA engineering staff and Board members to verify that BMPs are in place to control erosion during construction on AMAFCA-owned properties. • AMAFCA will continue to meet monthly with the Board and will continue to seek Board approval for jointly funded water quality projects. • In a cooperative effort with COA and Bernalillo County, the AMAFCA Development Review Engineer reviews submitted public and private development that has a connection to AMAFCA facilities for projects disturbing at least one (1) acre. These reviews may include stormwater conveyance, water quality, and erosion control. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • AMAFCA construction projects and activities were discussed weekly in the AMAFCA staff meeting. • AMAFCA Board meetings typically occurred monthly during this reporting period. Board agendas and meeting minutes are available online: https://amafca.org/amafca-board-of-directors/ • In addition, AMAFCA reviewed all public and private development that has a connection to AMAFCA facilities. These reviews included stormwater conveyance, water quality, and erosion control considerations. |
| 1.5 | 58 | <p>Evaluation of GI/LID/Sustainable practices in site plan reviews as required in <u>Part I.D.5.a.(v)</u>. 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.</p> | <p><u>Part I.D.5.a.(v)</u> - AMAFCA does not have jurisdiction over site plan reviews of public and private construction activities, and AMAFCA does not program any private development type projects. AMAFCA ultimately has no authority to accept or reject public and private development projects.</p> <p>AMAFCA will continue to encourage use of sustainable practices during the review phase of projects within AMAFCA's rights-of-way and turn-key projects that AMAFCA will take over for operation and maintenance after construction. AMAFCA will encourage an evaluation of sustainable GI/LID practice opportunities within the watershed.</p> <p>The reporting requirement for the number of plans that AMAFCA reviews, typically because of a connection to an AMAFCA facility, that had opportunities to implement these practices will be reported annually. Because of lack of jurisdictional authority, AMAFCA is typically not told how many improvements were implemented. Therefore the number of improvements implemented will not be reported in the AMAFCA MS4 Annual Report.</p> | <ul style="list-style-type: none"> • AMAFCA will continue to encourage use of sustainable practices during the review phase of projects. • AMAFCA will annually report the number of plans that were reviewed within AMAFCA's rights-of-way and turn-key projects that AMAFCA will take over for operation and maintenance after construction that had opportunities to implement GI/LID/Sustainable practices. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • AMAFCA continued to encourage use of sustainable practices during the review phase of projects. • AMAFCA's Development Review Engineer reviewed private development that has a connection to AMAFCA facilities. In FY 2024, 230 plans were reviewed by the AMAFCA Development Review Engineer; opportunities to potentially implement GI/LID/ Sustainable practices were considered, as appropriate, during these reviews. A copy of the Development Review Engineer's tracking list is available upon request. • AMAFCA continued to collaborate with Ciudad Soil and Water Conservation District to assist with water quality focused subdivision plan reviews, which are required for developments greater than five (5) acres. |

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| Not Included in NOI | 59 | Update the SWMP document and annual report as required in Part I.D.5.a.(vi) and in Part I.D.5.a.(vii). <u>Part I.D.5.a.(vi)</u> The permittee must include in the SWMP a description of the mechanism(s) that will be utilized to comply with each of the elements required in Part I.D.5.a.(i) throughout Part I.D.5.a.(v), including description of each individual BMP (both structural or non-structural) or source control measures and its corresponding measurable goal. | <u>Part I.D.5.a.(vi)</u> - The above sections of the SWMP describe the mechanism(s) AMAFCA utilizes to comply with each of the elements required in Part I.D.5.a.(i) throughout Part I.D.5.a.(v) and the corresponding measurable goal(s). AMAFCA will annually evaluate and revise the Construction Site Stormwater Runoff Control Program elements, as necessary, to ensure that AMAFCA's Program meets the MS4 Permit requirements. | <ul style="list-style-type: none"> Evaluate and revise the Construction Site Stormwater Runoff Control Program, as necessary, to ensure that AMAFCA's Program meets the MS4 Permit requirements. Update the SWMP, as necessary. | <p>Met FY 2024 Goal.</p> <ul style="list-style-type: none"> AMAFCA's Program was reviewed by the Storm Water Quality Engineer for this reporting period. The program was reviewed as part of this Annual Report. |
| Not Included in NOI | 60 | Update the SWMP document and annual report as required in Part I.D.5.a.(vi) and in Part I.D.5.a.(vii). <u>Part I.D.5.a.(vii)</u> - The permittee shall assess the overall success of the program, and document the program effectiveness in the Annual Report. The permittee must include in each Annual Report: <u>Part I.D.5.a.(vii).(a)</u> - A summary of the frequency of site reviews, inspections and enforcement activities that are conducted annually and cumulatively during the permit term. <u>Part I.D.5.a.(vii).(b)</u> - The number of plans that had the opportunity to implement GI/LID/Sustainable practices and how many incorporated the practices. | <p><u>Part I.D.5.a.(vii)</u> - AMAFCA will assess the overall success of the program, and document the program effectiveness in the Annual Report.</p> <p><u>Part I.D.5.a.(vii).(a)</u> - AMAFCA will include in each Annual Report a summary of the number and frequency of site reviews and inspections activities that are conducted annually and cumulatively during the permit term.</p> <p><u>Part I.D.5.a.(vii).(b)</u> - AMAFCA will include the number of plans that had the opportunity to implement GI/LID/Sustainable practices from the plans that were reviewed within AMAFCA's rights-of-way and turn-key projects that AMAFCA will take over for operation and maintenance after construction. AMAFCA ultimately lacks jurisdictional authority to accept public and private development projects.</p> | <ul style="list-style-type: none"> Included in each Annual Report will be a summary of the number and frequency of construction site reviews and inspection activities that are conducted annually and cumulatively during the Permit term. Included in each Annual Report will be a summary of the plans that had the opportunity to implement GI/LID/Sustainable practices from the plans that were reviewed within AMAFCA's rights-of-way and turn-key projects that AMAFCA will take over for operation and maintenance after construction. This documentation is included above. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> This Annual Report documents the program effectiveness and program success in the status of implementation and performance assessment for each MS4 Permit requirements. There were 3 active AMAFCA construction projects in FY 2024. The number of plans reviewed by the AMAFCA Development Review Engineer is reported above; opportunities to potentially implement GI/LID/ Sustainable practices were considered, as appropriate, during these reviews. |
| 1.6 | 61 | Enhance the program to include the elements in Part I.D.5.a.(x) through Part I.D.5.a.(x). These include: <u>Part I.D.5.a.(viii)</u> - Use of stormwater educational materials; <u>Part I.D.5.a.(ix)</u> - Develop or update existing construction handbooks; and <u>Part I.D.5.a.(x)</u> - construction inspections may be carried out in conjunction with other inspections and use a screening prioritization process. | <p><u>Part I.D.5.a.(viii)</u> - AMAFCA will continue to use stormwater educational materials, either developed locally or provided by EPA, NMED, environmental groups, public interest groups, trade organizations, and/or other MS4s. AMAFCA will continue to host training cooperative sessions with the watershed MS4s.</p> <p><u>Part I.D.5.a.(ix)</u> - AMAFCA, along with other MS4s, provided external review to NMDOT on their 2020 update of the National Pollutant Discharge Elimination System Manual, Stormwater Management Guidelines for Construction, MS4 and Industrial Activities.</p> <p><u>Part I.D.5.a.(x)</u> - AMAFCA will continue to incorporate a screening prioritization process for construction inspections.</p> | <ul style="list-style-type: none"> The MRGSQT Outcomes Report will summarize the activities where educational materials were dispersed and shared with the public. This report is available upon request and AMAFCA plans to share this document on its website. AMAFCA will explore opportunities for training cooperative sessions held with the watershed MS4s during the reporting period. AMAFCA will follow procedures, as applicable, outlined in the 2020 update of the National Pollutant Discharge Elimination System Manual, Stormwater Management Guidelines for Construction, MS4 and Industrial Activities. AMAFCA will continue to incorporate a screening prioritization process for construction inspections. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> AMAFCA's educational efforts are summarized and included in the MRGSQT Outcomes Report. This report is contained in the Program Summaries section of the Annual Report. AMAFCA continued to utilize the most recent EPA CGP SWPPP checklist/template to guide the reviews of SWPPP documents. AMAFCA conducted site inspections for 100% of the AMAFCA construction projects in accordance with this MS4 Permit in FY 2024. |
| 1.7 | 62 | Item from MS4 Permit NOI. Describe other proposed activities to address the Construction Stormwater Management in New Development and Redevelopment Measure. | <p>AMAFCA will continue to utilize the Annual Report and SWMP revision process as a means to perform a self-audit with the goal to improve its MS4 Programs.</p> <p>AMAFCA will maintain and update, as necessary, its MS4 Strategies and Procedures Notebook for this MS4 Program.</p> | <ul style="list-style-type: none"> AMAFCA will document progress made, if any, related to the Annual Report and SWMP revision process as a means to perform a self-audit on the MS4 Program elements. AMAFCA will maintain and update, as necessary, its MS4 Strategies and Procedures Notebook. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> AMAFCA continued to utilize the Annual Report process as a means to perform a self-audit on the MS4 Program elements. |

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| | 63 | TABLE 3: Post-Construction Stormwater Management in New Development and Redevelopment- Part I.D.5.b | | | |
| See NOI Sections Below | 64 | Part I.D.5.b.(i) The permittee must develop, revise, implement, and enforce a program to address stormwater runoff from new development and redevelopment projects that disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale, that discharge into the MS4. The program must ensure that controls are in place that would prevent or minimize water quality impacts. Permittees previously covered under NMS000101 or NMR040000 must continue existing programs, updating as necessary, to comply with the requirements of this permit. (Note: Highway Departments and Flood Control Authorities may only apply the post-construction stormwater management program to the permittee's own construction projects). | Part I.D.5.b.(i) - All AMAFCA projects are regional flood control or water quality projects. AMAFCA does not have jurisdiction over private or public (non-AMAFCA) development or redevelopment projects - this responsibility lies with COA, NMDOT, or Bernalillo County. AMAFCA facilities receive stormwater after it flows through new development and redevelopment. As a result, some permit activities in this section do not apply to AMAFCA. AMAFCA's routine operation & maintenance (O&M) activities address post-construction stormwater management at all AMAFCA facilities. | <ul style="list-style-type: none"> Coordinate O&M activities with AMAFCA's Stormwater Quality Engineer, Project Manager, Development Review Engineer, Drainage Engineer, GIS Manager, Field Engineer, and Executive Engineer. | <p>Met FY 2024 Goal.</p> <ul style="list-style-type: none"> AMAFCA O&M activities continued to be discussed and coordinated weekly in the AMAFCA staff meeting. |
| 2.1 | 65 | Development of strategies as required in Part I.D.5.b.(ii).(a). Strategies which include a combination of structural and/or non-structural BMPs to control pollutants in stormwater runoff. | Part I.D.5.b.(ii).(a) - All AMAFCA projects are regional flood control or stormwater quality projects - functioning as BMPs. AMAFCA will continue to include both structural and non-structural BMPs to control pollutants in stormwater runoff from AMAFCA owned facilities. AMAFCA may continue to coordinate with watershed MS4s and other entities within its jurisdiction to discuss areas requiring drainage and water quality improvements, project priorities, and multi-agency funding opportunities. As part of the development of the AMAFCA Project Schedule, a system review will be completed. AMAFCA will publish projects, including schedule and cost sharing, in the biennial AMAFCA Project Schedule. AMAFCA will continue development of this program element in its MS4 Strategies and Procedures Notebook for this Program. | <ul style="list-style-type: none"> AMAFCA will continue to include both structural and non-structural BMPs to control pollutants in stormwater runoff from AMAFCA owned facilities. AMAFCA may coordinate with watershed MS4s as well as other entities within its jurisdiction during project review, complete a system review, and publish projects, including schedule and cost sharing, in the biennial AMAFCA Project Schedule. AMAFCA will continue development of this program element in its MS4 Strategies and Procedures Notebook. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> AMAFCA continued to include both structural and non-structural BMPs to control pollutants in stormwater runoff from AMAFCA owned facilities. In addition, several structural BMPs have been constructed under the Agency and Area-Wide (A&AW) contract and Miscellaneous contract maintenance activities during the Permit term. A complete list of A&AW by FY can be provided upon request. AMAFCA continued to work with the watershed MS4s, cooperative MS4 TAG, and other agencies to discuss and help develop strategies, where feasible, to contractually require and/or suggest BMPs on projects that AMAFCA may take over for operation and maintenance after construction. In FY 2024, AMAFCA completed the 2025 Project Schedule which covers a six-year planning horizon (2025-2030). Coordination meetings with watershed MS4s, TAG members, and other entities occurred during the development of this Project Schedule and included the ranking of stormwater quality projects. AMAFCA continued to be involved in the MS4 TAG group, facilitating cooperation and coordination with other MS4s in the Middle Rio Grande. |
| 2.2 | 66 | Development of an ordinance or other regulatory mechanism as required in Part I.D.5.b.(ii).(b). | Part I.D.5.b.(ii).(b) - It is not within AMAFCA's jurisdiction to enact ordinances or other legal authority mechanisms. AMAFCA is unable to develop, implement, or enforce any ordinances or regulatory mechanisms required in this section. | <ul style="list-style-type: none"> AMAFCA will continue to work with the cooperative MS4 TAG and other agencies to discuss and help develop regulatory mechanisms. | <p>Met FY 2024 Goal.</p> <ul style="list-style-type: none"> AMAFCA continued to be involved in the MS4 TAG, facilitating cooperation and coordination with other MS4s in the Middle Rio Grande. |
| 2.3 | 67 | Implementation and enforcement, via the ordinance or other regulatory mechanism of site design standards as required in Part I.D.5.b.(ii).(b). | Part I.D.5.b.(ii).(b) - It is not within AMAFCA's jurisdiction to enact ordinances or other legal authority mechanisms. AMAFCA is unable to develop, implement, or enforce any ordinances or regulatory mechanisms required in this section. | <ul style="list-style-type: none"> AMAFCA will continue to work with the cooperative MS4 TAG and other agencies to discuss and help develop regulatory mechanisms. | <p>Met FY 2024 Goal.</p> <ul style="list-style-type: none"> AMAFCA continued to work with the MS4 TAG and other agencies to discuss and help develop strategies, where feasible, to contractually require post-construction BMPs on projects that AMAFCA will take over for operation and maintenance after construction. |

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| 2.4 | 68 | Ensure appropriate implementation of post-construction structural controls as required in Part I.D.5.b.(ii).(c) and Part I.D.5.b.(ii).(d) . | <p>Part I.D.5.b.(ii).(c) - AMAFCA will continue to ensure the appropriate implementation of structural BMPs on AMAFCA owned projects through pre-construction design review (see Construction Site Stormwater Runoff Control Measure). For watershed cooperative elements, AMAFCA occasionally partners with other MS4s, such as the COA, UNM, and ExpoNM, on construction of structural BMPs. AMAFCA is also a member of the MS4 TAG.</p> <p>Part I.D.5.b.(ii).(d) - AMAFCA will conduct inspections at the beginning and end of construction, (see Construction Site Stormwater Runoff Control Measure), conduct Post-Construction inspection and maintenance (AMAFCA's routine O&M activities address post-construction stormwater management), and enforce contractual penalty provisions for noncompliance by the Operator during construction. These items will be discussed periodically with the AMAFCA Field Engineer.</p> | <ul style="list-style-type: none"> • AMAFCA will ensure the appropriate implementation of structural BMPs on AMAFCA owned projects through pre-construction design review (see Construction Site Stormwater Runoff Control Measure). • AMAFCA will continue to work with the watershed MS4s, TAG, and other agencies to discuss cooperative implementation of structural BMPs. • AMAFCA will conduct inspections as required during construction, (see Construction Site Stormwater Runoff Control Measure). • AMAFCA's Post-Construction inspections and maintenance will be through the AMAFCA O&M activities (see Pollution Prevention /Good Housekeeping Control Measure). | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • See the Construction Site Stormwater Runoff Control Measure for pre-construction design review and inspections during construction. • AMAFCA continued to be involved in the MS4 TAG, facilitating cooperation and coordination with other MS4s in the Middle Rio Grande. • See the Pollution Prevention/Good Housekeeping Control Measure for post-construction inspections and maintenance, which are part of AMAFCA O&M activities. These inspections and maintenance continued to be discussed in the AMAFCA staff meetings. • In FY 2024, the MRGSQT members continued discussions and agency implementation related to the Post-Construction Stormwater Quality Design Standards in the Middle Rio Grande Watershed study. |
| 2.5 | 69 | <p>Develop procedures as required in Part I.D.5.b.(ii).(e) - Procedure to develop and implement an educational program for project developers regarding designs to control water quality effects from stormwater, and a training program for plan review staff regarding stormwater standards, site design techniques and controls, including training regarding GI/LID/Sustainability practices. Training may be developed independently or obtained from outside resources;</p> <p>Part I.D.5.b.(ii).(f) - Procedures for site inspection and enforcement to ensure proper long-term operation, maintenance, and repair of storm water management practices that are put into place as part of construction projects/activities;</p> <p>Part I.D.5.b.(ii).(g) - Procedures to control the discharge of pollutants related to commercial application and distribution of pesticides, herbicides, and fertilizers; and</p> <p>Part I.D.5.b.(ii).(h) - Procedure or system to review and update, as necessary, the existing program to ensure that storm water controls or management practices for new development and redevelopment projects/ activities continue to meet the requirements and objectives of the permit.</p> | <p>Part I.D.5.b.(ii).(e) - As a cooperative program, AMAFCA contributes to the Middle Rio Grande Stormwater Quality Team (MRGSQT), which includes training on GI/LID and sustainability practices. This is achieved by sponsoring conferences featuring GI/LID lectures, such as the annual Land and Water Summit. Reporting on the MRGSQT activities will be part of Public Education and Outreach on Stormwater Impacts Control Measure.</p> <p>Part I.D.5.b.(ii).(f) - AMAFCA is responsible for all long term inspection, operation, maintenance, and repair of its own facilities. AMAFCA will perform inspections, maintenance and repair in accordance with the established procedures in the "AMAFCA O&M Manual for Dams", the "AMAFCA O&M Repair Replacement and Rehabilitation Manual", and Project O&M Plan (Plan No. 7). This is covered in the Pollution Prevention/Good Housekeeping Control Measure.</p> <p>Part I.D.5.b.(ii).(g) - AMAFCA will only allow licensed staff or professionally licensed contractors to apply herbicides and pesticides within AMAFCA rights-of-way (AMAFCA does not apply fertilizers in its operations). This is covered in the Pollution Prevention/Good Housekeeping Control Measure.</p> <p>Part I.D.5.b.(ii).(h) - AMAFCA's routine O&M activities address post-construction stormwater management at all AMAFCA facilities.</p> | <ul style="list-style-type: none"> • As a cooperative program, AMAFCA contributes to the MRGSQT. AMAFCA's educational efforts are included in the MRGSQT Outcomes Report which will summarize, if applicable, the activities where educational materials were dispersed and shared with project developers. This report is available upon request and AMAFCA plans to share this document on its website. • AMAFCA will provide MS4 training for its staff and invite other agencies responsible for construction projects. AMAFCA may participate in other agencies' MS4 trainings. • AMAFCA's Post-Construction inspections and maintenance are conducted following the AMAFCA O&M procedures (see Pollution Prevention /Good Housekeeping Control Measure). • AMAFCA will only allow licensed staff or professionally licensed contractors to apply herbicides and pesticides within AMAFCA rights-of-way (AMAFCA does not apply fertilizers in its operations). • AMAFCA will compile and document applicable program procedures in its MS4 Strategies and Procedures Notebook. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • AMAFCA only allows certified staff or professionally licensed contractors to apply herbicides and pesticides within AMAFCA right-of-way. This is also discussed in Pollution Prevention/Good Housekeeping and Public Education and Outreach Control Measures of this Annual Report. |

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| 2.6 | 70 | Coordinate internally with all departments and boards with jurisdiction over the planning, review, permitting, or approval of public and private construction projects/ activities within the permit area as required in Part 1.D.5.b.(iii) related to developed hydrology mimicking pre-development hydrology. | Part 1.D.5.b.(iii) - AMAFCA does not have any internal departments or boards with jurisdiction. AMAFCA will coordinate with all entities as necessary. AMAFCA will coordinate internally and, to the extent possible and applicable, design AMAFCA facilities for compliance with developed hydrology mimicking pre-development hydrology. For AMAFCA led DMPs, Sediment Studies, Facility Plans, and WQ studies, AMAFCA will require, to the extent possible and applicable, that developed hydrology mimic pre-development hydrology. The NM OSE regulates the water delivery to the Rio Grande in order to meet water delivery requirements to Texas; therefore, AMAFCA's objective is to design its facilities to drain within 96 hours per the OSE requirements. | <ul style="list-style-type: none"> • AMAFCA will coordinate internally on studies and projects for MS4 Permit compliance with developed hydrology mimicking pre-development hydrology. AMAFCA will abide by the NM OSE rule and plan/design its facilities to drain within 96 hours per the OSE requirements. • AMAFCA will continue to follow the standard practice for Drainage Master Plans (DMPs) options development and consider two options for developed condition hydrology flowrates and volumes: 1) determine pond locations and volumes required on a sub-basin by sub-basin basis to mimic pre-development hydrology and, 2) determine pond locations and volumes required on a regional approach basis to mimic pre-development hydrology. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • AMAFCA continued to coordinate internally related to developed hydrology mimicking pre-development hydrology. All active AMAFCA Drainage Management and Water Quality Plans considered the MS4 Permit stormwater quality design standard defined in Part 1.D.5.b.(ii)(b). • In FY 2024, the MRGSQT members continued discussions and agency implementation related to the Post-Construction Stormwater Quality Design Standards in the Middle Rio Grande Watershed study. |
| 2.7 | 71 | As required in Part 1.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. | <p>Part 1.D.5.b.(iv) - AMAFCA does not have jurisdictional authority pertaining to codes, ordinances, planning documents and other applicable regulations, for impediments to the use of GI/LID/Sustainable practices.</p> <p>AMAFCA will provide information, as requested, and coordinate with other watershed MS4s for assessment of existing codes, ordinances, planning documents and other applicable regulations for impediments to the use of GI/LID/Sustainable practices.</p> <p>The NM OSE regulates the water delivery to the Rio Grande in order to meet water delivery requirements to Texas; therefore, AMAFCA's objective is to design its facilities to drain within 96 hours per the OSE requirements.</p> | <ul style="list-style-type: none"> • AMAFCA will provide information, as requested, and coordinate and cooperate with other watershed MS4s for the assessment of existing codes, ordinances, planning documents, and other applicable regulations for impediments to the use of GI/LID/Sustainable practices. | <p>Met FY 2024 Goal.</p> <ul style="list-style-type: none"> • This Permit activity was conducted cooperatively with Bernalillo County in FY 2018. FY 2024 continued to focus on understanding the impediments and beginning discussions to address the findings. • AMAFCA participated as a review partner for the Bernalillo County's updated technical standards, which includes the Green Stormwater Infrastructure/Low Impact Development (GSI/LID) Standards document. During FY 2024, Bernalillo County continued the process of updating its Technical Standards. Integration of GSI/LID into the Technical Standards and review process was a key focus of this update. As a part of this update, the County developed a stand-alone GSI/LID Standards document that identifies GSI/LID best management practices (BMPs) that are arid-appropriate and support Bernalillo County's Stormwater Quality Ordinance, representing an increased commitment from the County toward the goal of broad implementation of GSI/LID in the MRG watershed. |
| 2.8 | 72 | As required in Part 1.D.5.b.(iv) , develop and submit a report of the assessment findings on GI/LID/Sustainable practices. | <p>Part 1.D.5.b.(iv) - AMAFCA does not have jurisdictional authority pertaining to codes, ordinances, planning documents and other applicable regulations, for impediments to the use of GI/LID/Sustainable practices. However, to the extent permitted by law, AMAFCA will comply with the requirements of this section. AMAFCA will provide information, as requested, and coordinate with other watershed MS4s for assessment of existing codes, ordinances, planning documents and other applicable regulations for impediments to the use of GI/LID/Sustainable practices.</p> | <p>Met Permit Requirement - Activity is Complete. No additional measurable goals.</p> <ul style="list-style-type: none"> • AMAFCA provided information, as requested, and coordinated and cooperated with other watershed MS4s for the development of a report of the assessment of finding from Part 1.D.5.b.(iv). This was completed in March 2017 and was submitted to the EPA with the Annual Report, due Dec. 1, 2017. | <p>No Goals Required for FY 2024.</p> <p>Met Permit Requirement - Activity is Complete.</p> <ul style="list-style-type: none"> • This Permit activity was conducted cooperatively with Bernalillo County in FY 2017 and this activity is complete. |

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| Not Included in NOI | 73 | <p>As required in Part I.D.5.b.(v), Alternative compliance for infeasibility due to Site Constraints. Part I.D.5.b.(v).(a) - Infeasibility to manage the design standard volume specified in Part I.D.5.b.(ii).(b), or a portion of the design standard volume, onsite may result from site constraints including:</p> <p>A. too small a lot outside of the building footprint to create the necessary infiltrative capacity even with amended soils;</p> <p>B. soil instability as documented by a thorough geotechnical analysis;</p> <p>C. a site use that is inconsistent with capture and reuse of storm water;</p> <p>D. other physical conditions; or,</p> <p>E. to comply with applicable requirements for on-site flood control structures leaves insufficient area to meet the standard.</p> <p>Part I.D.5.b.(v).(b) - A determination that it is infeasible to manage the design standard volume specified in Part I.D.5.b.(ii).(b), or a portion of the design standard volume, on site may not be based solely on the difficulty or cost of implementing onsite control measures, but must include multiple criteria that rule out an adequate combination of the practices set forth in Part I.D.5.b.(v).</p> | <p>Part I.D.5.b.(v).(a) and (b) - As previously mentioned, all AMAFCA projects are regional flood control or stormwater quality projects that function as BMPs, and AMAFCA does not have jurisdictional authority pertaining to new development or redevelopment activities. Therefore, AMAFCA itself will likely not have requirements for alternative compliance regarding infeasibility to manage the post construction design standard volume. However, AMAFCA's regional facilities may offer other MS4s an option for alternative compliance to manage the post-construction stormwater quality volume. The on-site stormwater management decisions and feasibility will typically be determined during development by other agencies (COA, Bernalillo County, etc.). AMAFCA will continue coordination with and support these agency decisions, as appropriate. AMAFCA's involvement will typically occur during the development review or stake-holder review.</p> | <p>• AMAFCA will continue to coordinate with and support these agency decisions, as appropriate, related to on-site stormwater management decisions and feasibility. AMAFCA's involvement will typically occur during the development review or stake-holder review. AMAFCA's regional facilities may offer other MS4s an option for alternative compliance to manage the post-construction stormwater quality volume.</p> | <p>Met FY 2024 Goal.</p> <p>• AMAFCA coordinated with and supported community agency decisions, as appropriate, related to on-site stormwater management decisions and feasibility. AMAFCA's involvement typically occurred during the development review or stake-holder review.</p> |
| Not Included in NOI | 74 | <p>Part I.D.5.b.(v) continued -</p> <p>Part I.D.5.b.(v).(c) - This permit does not prevent imposition of more stringent requirements related to flood control. Where both the permittee's site design standard ordinance or policy and local flood control requirements on site cannot be met due to site conditions, the standard may be met through a combination of on-site and off-site controls.</p> <p>Part I.D.5.b.(v).(d) - Where applicable New Mexico water law limits the ability to fully manage the design standard volume on site, measures to minimize increased discharge consistent with requirements under New Mexico water law must still be implemented.</p> <p>Part I.D.5.b.(v).(e) - In instances where an alternative to compliance with the standard on-site is chosen, technical justification as to the infeasibility of on-site management of the entire design standard volume, or a portion of the design standard volume, is required to be documented by submitting to the permittee a site-specific hydrologic and/or design analysis conducted and endorsed by a registered professional engineer, geologist, architect, and/or landscape architect.</p> | <p>Part I.D.5.b.(v).(c) - AMAFCA's primary function is to provide regional flood control; this includes stormwater quality projects that function as BMPs. Flood control requirements will continue to be required.</p> <p>Part I.D.5.b.(v).(d) - The NM ISC/OSE regulates the water delivery to the Rio Grande in order to meet water delivery requirements to Texas; therefore, AMAFCA's objective is to design its facilities to drain within 96 hours per the OSE requirements. Using AMAFCA facilities for off-site mitigation would assure the community that New Mexico water law limits are being met at the AMAFCA facilities.</p> <p>Part I.D.5.b.(v).(e) - Alternatives to compliance for on-site requirements are discussed below. AMAFCA itself will likely not have requirements for alternative compliance regarding infeasibility to manage the post construction stormwater quality volume. However, AMAFCA's regional facilities may offer other MS4s an option for alternative compliance to manage the post construction stormwater quality volume.</p> | <p>• AMAFCA will continue its primary function is to provide regional flood control; this includes stormwater quality projects that function as BMPs. Flood control requirements will continue to be required.</p> <p>• AMAFCA will abide by the NM OSE rule and plan/design its facilities to drain within 96 hours per the ISC/OSE guidance document. Using AMAFCA facilities for off-site mitigation would assure the community that New Mexico water law limits are being met at the AMAFCA facilities.</p> <p>• AMAFCA's regional facilities may offer other MS4s an option for alternative compliance to manage the post construction stormwater quality volume.</p> | <p>Met FY 2023 Goals.</p> <p>• AMAFCA continued its primary function to provide regional flood control; this included stormwater quality projects that function as BMPs. Flood control requirements will continue to be required.</p> <p>• AMAFCA abided by the NM ISC/OSE rule and plan/design its facilities to drain within 96 hours per the ISC/OSE requirements and guidelines.</p> <p>• AMAFCA continued discussions with Middle Rio Grande MS4 permittees regarding using AMAFCA's regional facilities as an option for alternative compliance to manage the post construction stormwater quality volume.</p> |

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| Not Included in NOI | 75 | <p>As required in Part I.D.5.b.(v).(f), when a Permittee determines a project applicant has demonstrated infeasibility due to site constraints specified in Part I.D.5.b.(v) to manage the design standard volume specified in Part I.D.5.b.(ii).(b) or a portion of the design standard volume on-site, the Permittee shall require one of the following mitigation options:</p> <p><u>A.</u> The off-site mitigation option only applies to redevelopment sites and cannot be applied to new development. Management of the standard volume, or a portion of the volume, may be implemented at another location within the MS4 area, approved by the permittee. The permittee shall identify priority areas within the MS4 in which mitigation projects can be completed and shall determine who will be responsible for long-term maintenance on off-site mitigation projects.</p> <p><u>B.</u> Implementation of a project that has been determined to provide an opportunity to replenish regional ground water supplies at an offsite location.</p> <p><u>C.</u> Payment in lieu may be made to the permittee, who will apply the funds to a public storm water project. MS4s shall maintain a publicly accessible database of approved projects for which these payments may be used.</p> | <p>Part I.D.5.b.(v).(f) - AMAFCA may continue to coordinate with watershed MS4s and other entities within its jurisdiction to discuss areas requiring drainage and water quality improvements, project priorities, and multi-agency funding opportunities. Off-site stormwater quality mitigation projects will be included in these discussions. As part of the development of the AMAFCA Project Schedule, a system review will be completed. AMAFCA will publish projects, including schedule and cost sharing, in the biennial AMAFCA Project Schedule.</p> <p>AMAFCA, as part of the MS4 TAG, has discussed with EPA Region 6 (verbally and in writing) the MS4 Permit language for this section. The MS4 TAG members and EPA discussed how some of the terms/language of the Permit may limit the flexibility of the MS4s to allow off-site stormwater mitigation. The MS4s identified terms in the Permit which restrict the flexibility to achieve stormwater quality objectives by using alternate methods of compliance with post-construction permit requirements. The MS4 TAG provided this in writing to EPA on August 19, 2017 (letter from Dave Gatterman, SCAFCFA, "August 8, 2016 Meeting Follow-up"). This letter included scanned page 30 of Permit No. NMR04A000 to illustrate language changes the MS4 TAG think would allow the permittees to move forward and comply with both the Permit and state statute. Removing these limitations relative to post construction runoff will better allow the permittees flexibility to comply with New Mexico water law, protect the quality of the river, and not overly constrict development of our arid watershed. AMAFCA will continue discussions with EPA Region 6 regarding Permit language related to off-site stormwater mitigation.</p> | <ul style="list-style-type: none"> AMAFCA may coordinate with watershed MS4s as well as other entities during project review, complete a system review, and publish projects, including schedule and cost sharing, in the biennial AMAFCA Project Schedule. Off-site stormwater quality mitigation projects may be included in these discussions. AMAFCA will continue discussions with EPA Region 6 regarding Permit language related to off-site stormwater mitigation. Removing these Permit limitations relative to post construction runoff will better allow the permittees flexibility to comply with New Mexico water law, protect the quality of the river, and not overly constrict development of our arid watershed. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> In FY 2024, AMAFCA completed the 2025 Project Schedule which covers a six-year planning horizon (2025-2030). Coordination meetings with watershed MS4s, TAG members, and other entities occurred during the development of this Project Schedule and included the ranking of stormwater quality projects. AMAFCA continued discussions with stakeholders regarding Permit language related to off-site stormwater quality mitigation. Utilizing the Permit opportunities relative to post construction runoff will better allow the permittees flexibility to comply with New Mexico water law, protect the quality of the river, and not overly constrict development of our arid watershed. |
| 2.9 | 76 | <p>Estimation of the number of acres of IA and DCIA as required in Part I.D.5.b.(vi).</p> | <p>Part I.D.5.b.(vi) - AMAFCA will estimate the Impervious Area (IA) and Directly Connected Impervious Area (DCIA) within AMAFCA's jurisdiction and/or rights of way.</p> | <ul style="list-style-type: none"> AMAFCA will estimate the IA and DCIA within AMAFCA's jurisdiction and/or rights of way. AMAFCA will update this estimate, as appropriate, given development in the watersheds. This will be a cooperative effort with other watershed MS4s. | <p>Met FY 2024 Goal.</p> <ul style="list-style-type: none"> This Permit activity was conducted cooperatively in FY 2024 and IA values will be updated in FY 2024 with AMAFCA projects. |

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| 2.10 | 77 | <p>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.</p> <p>The NM Office of the State Engineer (OSE) regulates the water delivery to the Rio Grande in order to meet water delivery requirements to Texas; therefore, AMAFCA's objective is to design its facilities to drain within 96 hours per the OSE requirements.</p> | <p>Part I.D.5.b.(vii) - AMAFCA will continue to keep an inventory and develop a priority ranking of AMAFCA owned properties and facilities that may have the potential for retrofitted control measures and stormwater quality facilities and BMPs. AMAFCA may continue to coordinate with watershed MS4s and other entities within its jurisdiction to discuss areas requiring drainage and water quality retrofits, project priorities, and multi-agency funding. AMAFCA will publish projects, including schedule and cost sharing, in the biennial AMAFCA Project Schedule. As part of the development of the AMAFCA Project Schedule, a system review will be completed. Internally, using the Project Schedule, water quality projects and water quality retrofit projects may be ranked and tabulated. AMAFCA may evaluate the existing BMPs based on their effectiveness and capacity in order to identify where additional BMPs are needed.</p> <p>AMAFCA is also a member of the cooperative MS4 TAG, facilitating cooperation and coordination with other watershed MS4s.</p> <p>AMAFCA will operate and maintain Levelloggers in major inlets into the NDC on AMAFCA ROW and analyze the data to assist in the priority ranking.</p> <p>AMAFCA will complete, as allowed, updated hydrologic analyses for the Rio Grande watersheds to assist with determining priority ranking.</p> | <ul style="list-style-type: none"> • AMAFCA may continue to coordinate with watershed MS4s and other entities within its jurisdiction to discuss the areas requiring drainage and water quality retrofitting within the Middle Rio Grande Watershed, project priorities, and multi-agency funding contributions. • AMAFCA will publish the AMAFCA-funded projects, including the schedule and proposed cost-sharing, in the biennial AMAFCA Project Schedule. As part of the development of the AMAFCA Project Schedule, a system review will be completed. AMAFCA may utilize the Project Schedule, in part, to rank and tabulate water quality projects and water quality retrofit projects. • AMAFCA will continue membership and involvement in the cooperative MS4 TAG which will facilitate cooperation and coordination with other MS4s in the Middle Rio Grande. • AMAFCA will operate and maintain Levelloggers in major channel inlets into the NDC on AMAFCA ROW and analyze the data to assist with priority ranking. • AMAFCA will complete updated hydrologic analyses, utilizing the AMAFCA White Paper Methodology, for the NDC watersheds, to assist with determining priority ranking. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • In FY 2024, AMAFCA completed the 2025 Project Schedule which covers a six-year planning horizon (2025-2030). Coordination meetings with watershed MS4s, TAG members, and other entities occurred during the development of this Project Schedule and included the ranking of stormwater quality projects. • In FY 2024, AMAFCA discontinued operation and analysis from Levelloggers located at the channelized inlets to the NDC on AMAFCA ROW. This activity was removed during FY 2024 in conjunction with modifications to AMAFCA SWMP Rev. 6. The AMAFCA SWMP Rev. 7 was adopted on July 1, 2024. • In FY 2024, AMAFCA continued working on Drainage Management Plans (DMPs) and Water Quality Plans to plan for flood protection and water quality volumes. |
| 2.11 | 78 | <p>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:</p> <p>Part I.D.5.b.(viii).(a) - A description of master planning and project planning procedures to control the discharge of pollutants to and from the MS4.</p> <p>Part I.D.5.b.(viii).(b) - Minimize the amount of impervious surfaces (roads, parking lots, roofs, etc.) within each watershed, by controlling the unnecessary creation, extension and widening of impervious parking lots, roads and associated development.</p> <p>Part I.D.5.b.(viii) (c) - Identify environmentally and ecologically sensitive areas that provide water quality benefits and serve critical watershed functions within the MS4 and ensure requirements to preserve, protect, create and/or restore these areas are developed and implemented during the plan and design phases of projects in these identified areas.</p> | <p>Part I.D.5.b.(viii).(a) - AMAFCA will continue to produce and publish the biennial AMAFCA Project Schedule for all regional drainage and water quality projects within AMAFCA's jurisdiction that will either be led or partly funded by AMAFCA. For the projects led by AMAFCA, watershed protection elements may be incorporated, when feasible, into drainage management plans, as appropriate, in order to identify watersheds which can be retrofitted with regional water quality facilities.</p> <p>Part I.D.5.b.(viii).(b) - This section is not applicable to AMAFCA's projects, which are regional flood control or water quality projects.</p> <p>Part I.D.5.b.(viii).(c) - During planning of AMAFCA projects, environmentally and ecologically sensitive areas that provide water quality benefits are considered.</p> | <ul style="list-style-type: none"> • Produce and publish the AMAFCA Project Schedule for CY 2016 and every other year thereafter. • AMAFCA may coordinate with MS4s to provide input for project planning of infrastructure retrofitting. • For projects led by AMAFCA, watershed protection elements may be incorporated into Drainage Management Plans, as appropriate, in order to identify watersheds which potentially can be retrofitted with regional water quality facilities. • All AMAFCA projects will obtain USFWS, USACE, and/or pueblo consultation, if required. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • In FY 2024, AMAFCA completed the 2025 Project Schedule which covers a six-year planning horizon (2025-2030). Coordination meetings with watershed MS4s, TAG members, and other entities occurred during the development of this Project Schedule and included the ranking of stormwater quality projects. • In FY 2024, AMAFCA continued working on Drainage Management Plans (DMPs) and Water Quality Plans to plan for watershed flood protection and water quality volumes. |

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| 2.11 | 79 | <p>Continuation of incorporate watershed protection elements into regular planning or policy documents as required in Part I.D.5.b.(viii).</p> <p><u>Part I.D.5.b.(viii).(d)</u> - 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.</p> <p><u>Part I.D.5.b.(viii).(e)</u> - Implement stormwater management practices that protect and enhance groundwater recharge as allowed under the applicable water rights laws.</p> <p><u>Part I.D.5.b.(viii).(f)</u> - Seek to avoid or prevent hydromodification of streams and other water bodies caused by development, including roads, highways, and bridges.</p> <p><u>Part I.D.5.b.(viii).(g)</u> - Develop and implement policies to protect native soils, prevent topsoil stripping, and prevent compaction of soils.</p> <p><u>Part I.D.5.b.(viii).(h)</u> - 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.</p> | <p><u>Part I.D.5.b.(viii).(d)</u> - This section is rarely applicable to AMAFCA's projects. In the arid southwest, direct discharges to surface waters are rare.</p> <p><u>Part I.D.5.b.(viii).(e)</u> - The NM OSE regulates the water delivery to the Rio Grande in order to meet water delivery requirements to Texas; therefore, AMAFCA's objective is to design its facilities to drain within 96 hours per the OSE requirements.</p> <p><u>Part I.D.5.b.(viii).(f)</u> - AMAFCA projects, to the extent feasible and as consistent with O&M of sediment removal, will continue to seek to avoid or prevent hydromodification of streams and other water bodies.</p> <p><u>Part I.D.5.b.(viii).(g)</u> - AMAFCA projects and those in coordination with other MS4s, will, to the extent possible, protect native soils, prevent topsoil stripping, and prevent compaction of soils.</p> <p><u>Part I.D.5.b.(viii).(h)</u> - AMAFCA does not have jurisdictional authority pertaining to development or redevelopment activities. However, through AMAFCA's involvement with the MRGSQT and TAG, AMAFCA will support programs tailored to address local community needs and that are designed to attempt to maintain pre-development runoff conditions.</p> | <ul style="list-style-type: none"> • AMAFCA will develop written procedures that include applicable watershed protection elements in Part I.D.5.b.(viii).(f), (g) and (h) as required in the MS4 Permit and as applicable to AMAFCA. • AMAFCA will continue to contribute and participate in the MRGSQT, which supports programs tailored to address local community needs and are designed to attempt to maintain pre-development runoff conditions. • AMAFCA will complete updated hydrologic analyses, utilizing the AMAFCA White Paper Methodology, for the NDC watersheds, to assist with understanding options for maintaining pre-development runoff conditions. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • Many of these applicable Permit activities are being conducted cooperatively. • AMAFCA continued to contribute and participate in the MRGSQT, which supports programs tailored to address local community needs and are designed to attempt to maintain pre-development runoff conditions. |
| Not Included in NOI | 80 | <p>Update the SWMP document and annual report as required in <u>Part I.D.5.b.(ix)</u> and <u>Part I.D.5.b.(x)</u>. The permittee must update the SWMP as necessary to include a description of the mechanism(s) utilized to comply with the permit elements listed above as well as the citations/descriptions of design standards for structural and non-structural controls to control pollutants in runoff. The following information must be included in each Annual Report:</p> <p><u>Part I.D.5.b.(x).(a)</u> - Include a summary and analysis of all maintenance, inspections and enforcement, and the number and frequency of inspections performed annually.</p> <p><u>Part I.D.5.b.(x).(b)</u> - A cumulative listing of the annual modifications made to the Post-Construction Stormwater Management Program, and</p> <p><u>Part I.D.5.b.(x).(c)</u> - According to the schedule presented in Table 3, the permittee must:</p> <p>A. Report the no. of MS4-owned properties and infrastructure that have been retrofitted with control measures designed to control the frequency, volume, and peak intensity of stormwater discharges.</p> <p>B. As required in Part I.D.5.b.(vi), report the tabulated results for IA & DCIA and its estimation methodology.</p> | <p><u>Part I.D.5.b.(ix)</u> - AMAFCA will update the SWMP as necessary to comply with the permit elements listed above as well as the citations and descriptions of design standards for structural and non-structural controls to control pollutants in stormwater runoff, including discussion of the methodology used during design for estimating impacts to water quality and selecting structural and non-structural controls.</p> <p><u>Part I.D.5.b.(x).(a)</u> - AMAFCA tracks all crew activity related to maintenance of all water quality structures.</p> <p><u>Part I.D.5.b.(x).(b)</u> - AMAFCA does not have any development or redevelopment projects - all AMAFCA projects are regional flood control or water quality projects. AMAFCA will continue to maintain a cumulative listing of the annual modifications made to the Post-Construction Stormwater Management Program.</p> <p><u>Part I.D.5.b.(x).(c).A</u> - AMAFCA will continue to maintain a list of properties and infrastructure within AMAFCA rights-of-way that have been retrofitted with control measures designed to control frequency, volume and peak intensity of stormwater discharges.</p> <p><u>Part I.D.5.b.(x).(c).B</u> - AMAFCA will estimate the Impervious Area (IA) and Directly Connected Impervious Area (DCIA) within AMAFCA's jurisdiction and/or rights of way (refer to ID 76).</p> | <ul style="list-style-type: none"> • AMAFCA will update the SWMP as necessary to comply with the permit elements listed above. • AMAFCA will continue to annually inspect and track all crew activity related to maintenance of all AMAFCA owned water quality structures. • AMAFCA will continue to maintain a cumulative listing of the annual modifications made to the Post-Construction Stormwater Management Program. • AMAFCA will continue to provide a cumulative list of AMAFCA's retrofit BMPs. AMAFCA will incorporate documentation by reference into the Annual Report and plans to document progress on the AMAFCA website. • AMAFCA will estimate the IA and DCIA within AMAFCA's jurisdiction and/or rights of way. AMAFCA will update this estimate, as appropriate, given development in the watersheds. This will be a cooperative effort with other watershed MS4s (refer to ID 76). | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • AMAFCA conducted site inspections for 100% of the AMAFCA construction projects in accordance with this MS4 Permit in FY 2024. • Lists of MS4 program modifications and facility modifications/retrofits are available upon request. |

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| 2.12 | 81 | <p>Enhance the program to include the elements in Part I.D.5.b.(xi) and Part I.D.5.a.(xii). These include: Part I.D.5.b.(xi) - Use of stormwater educational materials; and Part I.D.5.b.(xii) - When choosing appropriate BMPs, the permittee may participate in locally-based watershed planning efforts, which attempt to involve a diverse group of stakeholders including interested citizens. and Part I.D.5.b.(xiii) - The permittee may incorporate the following elements in the Post-Construction Stormwater Management in New Development and Redevelopment program required in Part I.D.5.b.(ii)(b): (a) Provide requirements and standards to direct growth to identified areas to protect environmentally and ecologically sensitive areas such as floodplains and/or other areas with endangered species and historic properties concerns; (b) Include requirements to maintain and/or increase open space/buffers along sensitive water bodies, minimize impervious surfaces, and minimize disturbance of soils and vegetation; and (c) Encourage in fill development in higher density urban areas, and areas with existing storm sewer infrastructure.</p> | <p>Part I.D.5.b.(xi) - As part of the MRGSQT, AMAFCA will continue to use stormwater educational materials, either developed locally or provided by EPA, NMED environmental groups, public interest groups, trade organizations, and/or other MS4 as well as utilizing the MRGSQT. Part I.D.5.b.(xii) - AMAFCA may continue to participate in the watershed-planning efforts with other MS4s in order to publish the AMAFCA Project Schedule biennially. AMAFCA will continue membership and involvement in the cooperative MS4 TAG, which will facilitate cooperation and coordination with other MS4s in the Middle Rio Grande watershed. Part I.D.5.b.(xiii) - These program enhancements are outside the AMAFCA's authority and mission. However, AMAFCA will cooperate with other watershed MS4s, as applicable, to support this program enhancement.</p> | <ul style="list-style-type: none"> • AMAFCA will continue to contribute and participate in the MRGSQT. The MRGSQT Outcomes Report will summarize the activities where educational materials were dispersed and shared with the public. This report is available upon request and AMAFCA plans to share this document on its website. • AMAFCA may coordinate with MS4s for project planning of infrastructure retrofitting. AMAFCA will continue to produce and publish the AMAFCA Project Schedule for CY 2016 and every other year thereafter. • AMAFCA will continue membership and involvement in the cooperative MS4 Technical Advisory Group (MS4 TAG) which will facilitate cooperation and coordination with other MS4s in the Middle Rio Grande. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • AMAFCA continued to contribute and participate in the MRGSQT, which supports post-construction education and outreach programs. The Outcomes Report is contained in the Program Summaries section of the Annual Report. • In FY 2024, AMAFCA completed the 2025 Project Schedule which covers a six-year planning horizon (2025-2030). Coordination meetings with watershed MS4s, TAG members, and other entities occurred during the development of this Project Schedule and included the ranking of stormwater quality projects. • AMAFCA continued to be involved in the MS4 TAG group, facilitating cooperation and coordination with other MS4s in the Middle Rio Grande. • AMAFCA participated as a review partner for the Bernalillo County's updated technical standards, which includes the Green Stormwater Infrastructure/Low Impact Development (GSI/LID) Standards document. During 2024, Bernalillo County completed updating its Technical Standards. Integration of GSI/LID into the Technical Standards and review process was a key focus of this update. As a part of this update, the County developed a stand-alone GSI/LID Standards document that identifies GSI/LID BMPs that are arid-appropriate and support Bernalillo County's Stormwater Quality Ordinance, representing an increased commitment from the County toward the goal of broad implementation of GSI/LID in the MRG watershed. |
| 2.13 | 82 | <p>Item from MS4 Permit NOI. Describe other proposed activities to address the Post-Construction Stormwater Management in New Development and Redevelopment Measure.</p> | <p>Because AMAFCA is a flood control authority, the legal authority and jurisdiction granted to it by the State of New Mexico is limited. AMAFCA has begun requiring, and will continue to require, MS4 permit elements into construction contracts.</p> | <ul style="list-style-type: none"> • AMAFCA will continue, as appropriate, to insert MS4 Permit elements into construction contracts to provide AMAFCA with a contractual mechanism for MS4 elements. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • AMAFCA continued to, as appropriate, insert MS4 Permit elements into construction contracts to provide AMAFCA with a contractual mechanism for MS4 elements. |

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| | 83 | TABLE 4: Pollution Prevention/Good Housekeeping for Municipal/Co-permittee Operations - Part I.D.5.c | | | |
| 3.1 | 84 | Develop or update the Pollution Prevention/Good Housekeeping program to include the elements in Part I.D.5.c.(i). Elements include: <u>Part I.D.5.c.(i).(a)</u> - Employee training program to incorporate pollution prevention and good housekeeping, including a tracking procedure; <u>Part I.D.5.c.(i).(b)</u> - O&M activities, schedules, and long term inspections procedures for structural and non-structural stormwater controls; <u>Part I.D.5.c.(i).(c)</u> - Controls for reducing or eliminating the discharge of pollutants from AMAFCA maintenance and storage yards and shop; <u>Part I.D.5.c.(i).(d)</u> - Procedures for properly disposing of waste removed from separate storm sewers and facilities listed in Part I.D.5.c.(i).(c) (such as dredged spoil, accumulated sediments, floatables, and other debris); <u>Part I.D.5.c.(i).(e)</u> - 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 . | <u>Part I.D.5.c.(i)</u> - AMAFCA will continue its Pollution Prevention/Good Housekeeping Program. <u>Part I.D.5.c.(i).(a)</u> - AMAFCA will continue employee training to incorporate pollution prevention and good housekeeping; <u>Part I.D.5.c.(i).(b)</u> - AMAFCA will adhere to its current O&M and Safety procedures, which include employee training for maintenance of AMAFCA flood control and water quality facilities and BMPs. <u>Part I.D.5.c.(i).(c)</u> - AMAFCA will implement and maintain controls for reducing the discharge of pollutants from AMAFCA maintenance and storage yards and shop; <u>Part I.D.5.c.(i).(d)</u> - AMAFCA will develop procedures, where appropriate, for properly disposing of waste removed from AMAFCA facilities (sediment, floatables, and other debris); <u>Part I.D.5.c.(i).(e)</u> - AMAFCA ensures that new projects will assess the impacts on water quality and existing projects will be examined for retrofit opportunities as part of AMAFCA's Post Construction Control Measures. | <ul style="list-style-type: none"> • AMAFCA will document training provided to its employees & include pollution prevention and good housekeeping into training, as needed. • AMAFCA encourages that crew members are trained in spill prevention & control, as well as truck fueling activities during the Permit term. • AMAFCA will adhere to its current O&M and Safety Procedures. • In the Annual Report, AMAFCA will consider projected costs for the operation and maintenance of its stormwater quality facilities. • AMAFCA will continue development of this program element in its MS4 Strategies and Procedures Notebook. This will address stormwater controls for AMAFCA's yard and standard operating procedures, as applicable, for disposal activities. • AMAFCA will review new projects to assess the impacts on water quality and will examine existing projects for retrofit opportunities as part of AMAFCA's Post Construction Control Measure. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • In FY 2024, stormwater continued to be a topic at the staff and crew meetings, including discussions related to pollution prevention and good housekeeping. • Training records for AMAFCA staff & crew are available upon request. • In FY 2024, AMAFCA adhered to its current O&M and Safety Procedures. • The FY 2024 annual cost for maintenance of its stormwater quality facilities is available upon request. • Refer to AMAFCA's Post Construction Control Measure in this Annual Report for additional information on new and retrofit project assessments for impacts on water quality. • In FY 2024, AMAFCA completed the 2025 Project Schedule which covers a six-year planning horizon (2025-2030). Coordination meetings with watershed MS4s, TAG members, and other entities occurred during the development of this Project Schedule and included the ranking of stormwater quality projects. |
| 3.2 | 85 | The program will include the elements in Part I.D.5.c.(ii). These include: <u>Part I.D.5.c.(ii).(a)</u> - Develop or update the existing list of all stormwater quality facilities by drainage basin, including location and description; | <u>Part I.D.5.c.(ii).(a)</u> - As part of the Program, AMAFCA will continue to up-date a map of all stormwater quality facilities by drainage basin, including location and description. | <ul style="list-style-type: none"> • AMAFCA will continue to up-date a map of all AMAFCA stormwater quality facilities by drainage basin, including location and description. | <p>Met FY 2024 Goal.</p> <ul style="list-style-type: none"> • AMAFCA's crew tracking system and database lists each of its stormwater quality facilities by drainage basin. These facilities are also shown on AMAFCA Maintenance Map, available online: https://amafca.org/gis-maps-data/ |
| 3.2 | 86 | <u>Part I.D.5.c.(ii).(b)</u> - Develop or modify existing operational manual for de-icing activities addressing alternate materials and methods to control impacts to stormwater quality; | <u>Part I.D.5.c.(ii).(b)</u> - N/A - AMAFCA only has jurisdiction to maintain its facilities; AMAFCA does not engage in the following: de-icing, roadway debris control, street sweeping, or roadway pollutant removal. | N/A | N/A |
| 3.2 & 3.4 | 87 | <u>Part I.D.5.c.(ii).(c)</u> - Develop or modify existing program to control pollution in stormwater runoff from equipment and vehicle maintenance yards and maintenance center operations located within the MS4; | <u>Part I.D.5.c.(ii).(c)</u> - For compliance with this section of the MS4 Permit, AMAFCA's focus is to evaluate and modify, where necessary, the existing program to control pollution in stormwater runoff from AMAFCA's equipment and vehicle maintenance yard and satellite facilities. | <ul style="list-style-type: none"> • AMAFCA will continue to implement and maintain the recommended administrative and structural BMPs, as appropriate, from the Good Housekeeping Inspection Reports for AMAFCA facilities. • AMAFCA will continue development of this program element in its MS4 Strategies and Procedures Notebook. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • AMAFCA continued to review the Good Housekeeping Assessments for AMAFCA facilities. |
| 3.2 | 88 | <u>Part I.D.5.c.(ii).(d)</u> - 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; | <u>Part I.D.5.c.(ii).(d)</u> - N/A - AMAFCA only has jurisdiction to maintain its facilities; AMAFCA does not engage in the following: de-icing, roadway debris control, street sweeping, or roadway pollutant removal. | N/A | N/A |

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| 3.2 | 89 | <u>Part 1.D.5.c.(ii).(e)</u> - 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); | <u>Part 1.D.5.c.(ii).(e)</u> - AMAFCA only has jurisdiction to maintain its facilities; AMAFCA does not engage in the following: de-icing, roadway debris control, street sweeping, or roadway pollutant removal. AMAFCA will continue coordination, as applicable, with other MS4s in the watershed related to illicit discharge detection and elimination from roadways - refer to the Illicit Discharges and Improper Disposal Control Measure. | N/A | N/A |
| 3.2 | 90 | <u>Part 1.D.5.c.(ii).(f)</u> - Develop or revise existing standard operating procedures for collection of used motor vehicle fluids (at a minimum oil and antifreeze) and toxics (including paint, solvents, fertilizers, pesticides, herbicides, and other hazardous materials) used in permittee operations or discarded in the MS4, for recycle, reuse, or proper disposal. | <u>Part 1.D.5.c.(ii).(f)</u> - For compliance with this section of the MS4 Permit, AMAFCA's focus is to evaluate and modify, where necessary, the existing program to control pollution in stormwater runoff from the equipment and vehicle maintenance yard. | <ul style="list-style-type: none"> • AMAFCA will maintain the existing program to control polluted stormwater runoff from its equipment and maintenance yard. • AMAFCA will continue to implement and maintain the recommended BMPs, as appropriate, from the Good Housekeeping Inspection Report for AMAFCA facilities. • AMAFCA will continue development of this program element in its MS4 Strategies and Procedures Notebook. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • AMAFCA continued the existing program to control pollutants to stormwater runoff from its equipment and maintenance yard. • AMAFCA coordinated with local landfills for appropriate testing requirements for material disposal as a result of maintaining agency equipment, as needed. • AMAFCA continued to review the Good Housekeeping Assessments for AMAFCA facilities. |
| 3.2 | 91 | <u>Part 1.D.5.c.(ii).(g)</u> - Standard operating procedure for disposal of accumulated sediments, floatables, and debris; | <u>Part 1.D.5.c.(ii).(g)</u> - AMAFCA performs waste disposal for sediment, floatables, and other debris in accordance with the "AMAFCA Operations and Maintenance Manual for Dams" and "AMAFCA Operation and Maintenance Repair Replacement and Rehabilitation Manual" (OMRRR). As a cooperative program, AMAFCA is a participant in an OMRRR with Bernalillo County, the MRGCD, and the Bureau of Reclamation related to facilities that are connected to MRGCD ditches (primarily in the SW Valley of Albuquerque). | <ul style="list-style-type: none"> • Continue to perform all waste disposal for sediment, floatables, and other debris in accordance with the operation and maintenance manuals and direct vendor contractors to collect and dispose of trash, floatables, and debris. • AMAFCA will develop standard operating procedures, as applicable, for these disposal activities and include them in the program's MS4 Strategies and Procedures Notebook section. • AMAFCA will continue to participate, as appropriate, in the Operation Maintenance Repair, Replacement, and Rehabilitation (OMRRR) - Southwest Valley Flood Reduction Project cooperative program with MRGCD, Bernalillo County, and Bureau of Reclamation. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • AMAFCA continued to perform all waste disposal for sediment, floatables and other debris in accordance with the O&M manuals and direct vendor contractors to collect and dispose of trash, floatables, and debris. • AMAFCA continued to follow standard operating procedures, as applicable. • AMAFCA coordinated with local landfills for appropriate testing requirements for material disposal as a result of maintaining agency equipment, as needed. • AMAFCA continued to participate in the OMRRR - cooperative program with MRGCD, Bernalillo County, and Bureau of Reclamation. |
| 3.2 | 92 | <u>Part 1.D.5.c.(ii).(h)</u> - litter source control program, include targeted public awareness campaign; | <u>Part 1.D.5.c.(ii).(h)</u> - Through involvement in the MRGSQT, AMAFCA will continue to collaborate with the MS4 permittees to improve upon the existing litter source control program, including a targeted public awareness campaign. | <ul style="list-style-type: none"> • AMAFCA will continue its involvement with and financial support of the MRGSQT. • AMAFCA will continue to collaborate with the MS4 permittees to improve upon the existing litter source control program. • The MRGSQT Outcomes Report is available upon request and AMAFCA plans to share this document on its website. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • AMAFCA continued to contribute and participate in the MRGSQT, which supports litter source control public awareness programs. The MRGSQT Outcomes Report is contained in the Program Summaries section of the Annual Report. A summary of trash removed from all AMAFCA facilities is provided in a Program Summary and information related to each AMAFCA facility is available upon request. |

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| 3.2 | 93 | <p><u>Part 1.D.5.c.(ii).(i)</u> - 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.</p> | <p><u>Part 1.D.5.c.(ii).(i)</u> - AMAFCA may continue to coordinate with watershed MS4s and other entities within its jurisdiction to discuss areas requiring drainage and water quality retrofits, project priorities, and multi-agency funding. AMAFCA will publish projects, including schedule and cost sharing, in the biennial AMAFCA Project Schedule.</p> <p>Operation and Maintenance procedures, inspections, repairs, and retrofits are evaluated through the annual cooperative Agency and Area Wide and Miscellaneous contracts.</p> | <p>• AMAFCA may continue to coordinate with watershed MS4s and other entities within its jurisdiction to discuss the areas requiring drainage and water quality retrofitting within the Middle Rio Grande Watershed, project priorities, and multi-agency funding contributions. AMAFCA will continue to produce and publish the biennial AMAFCA Project Schedule, which includes projects for retrofitting existing flood control devices, structures and drainage ways to provide additional pollutant removal from stormwater.</p> <p>• AMAFCA will continue to participate in the cooperative Agency and Area Wide contract and utilize the Miscellaneous contract to address rehabilitation, repair, and retrofit activities for AMAFCA structures.</p> | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • In FY 2024, AMAFCA completed the 2025 Project Schedule which covers a six-year planning horizon (2025-2030). • Coordination meetings with watershed MS4s, TAG members, and other entities occurred during the development of this Project Schedule and included the ranking of stormwater quality projects. • AMAFCA continued to utilize the Agency and Area Wide and Miscellaneous contracts to address rehabilitation, repair, and retrofit activities for AMAFCA structures and cooperative maintenance projects. |
| 3.2 | 94 | <p><u>Part 1.D.5.c.(ii).(j)</u> - 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;</p> | <p><u>Part 1.D.5.c.(ii).(j)</u> - AMAFCA has in place a well-defined and implemented routine inspection and O&M program that includes both formal and informal inspections and maintenance schedules. This program will be enhanced to ensure a target number of structures per basin are inspected and maintained per quarter, as required by the MS4 Permit, for annual compliance with the MS4 Permit.</p> <p>AMAFCA will enhance its inspection and maintenance programs, as required by the MS4 Permit, through improved coordination with the Stormwater Quality Engineer, Field Engineer, Maintenance Superintendent, and AMAFCA Maintenance Crew. AMAFCA will, depending on funding available, utilize the Agency and Area Wide and Miscellaneous contracts to address portions of the required inspection and maintenance.</p> | <p>• AMAFCA will continue coordination between maintenance personnel and staff to ensure that, on average, two (2) structures per basin are inspected and maintained per quarter.</p> <p>• AMAFCA will, depending on funding available, utilize the Agency and Area Wide and Miscellaneous contracts to address portions of the required inspection and maintenance.</p> | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • AMAFCA O&M activities are discussed at staff and crew meetings to allow coordination among staff and crew. • In this Permit term, AMAFCA inspected AMAFCA structures as required by the MS4 Permit. • AMAFCA continued to participate in the Agency and Area Wide contract and issue tasks under the annual Miscellaneous contract to address rehabilitation, repair, and retrofit activities for AMAFCA structures and cooperative maintenance projects. |
| 3.2 | 95 | <p><u>Part 1.D.5.c.(ii).(k)</u> - 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;</p> | <p><u>Part 1.D.5.c.(ii).(k)</u> - AMAFCA does not have jurisdiction over industrial and commercial areas in the MS4. AMAFCA will continue coordination with the MRG MS4s, as well as involvement with the MRGSQT and the MS4 TAG, to enhance the program to control the discharge of floatables and trash from the MS4 by implementing source control of floatables in industrial and commercial areas.</p> | <p>• AMAFCA will continue its involvement with and financial support of the MRGSQT.</p> <p>• AMAFCA will continue to collaborate with the MS4 permittees to improve upon the source control of floatables in industrial and commercial areas.</p> <p>• AMAFCA will continue membership and involvement in the cooperative MS4 TAG.</p> | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • AMAFCA continued to contribute and participate in the MRGSQT, which supports trash and litter control public awareness programs. • AMAFCA continued to be involved in the MS4 TAG group, facilitating cooperation and coordination with other MS4s in the Middle Rio Grande. |

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| 3.2 | 96 | <p><u>Part 1.D.5.c.(ii)(l)</u> - 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;</p> | <p><u>Part 1.D.5.c.(ii)(l)</u> - AMAFCA may continue to coordinate with watershed MS4s and other entities within its jurisdiction to discuss areas requiring drainage and water quality retrofits, project priorities, and multi-agency funding. As part of the development of the AMAFCA Project Schedule, a system review will be completed. AMAFCA will publish projects, including schedule and cost sharing, in the biennial AMAFCA Project Schedule. Using the Project Schedule process, water quality projects and water quality retrofit projects may be ranked and prioritized.</p> | <ul style="list-style-type: none"> • AMAFCA will continue to provide a cumulative list of AMAFCA's retrofit BMPs. AMAFCA will incorporate documentation by reference into the Annual Report and plans to document progress on the AMAFCA website - refer to the Post-Construction Control Measure. • AMAFCA will continue including facility evaluations as part of AMAFCA studies, including drainage management plans, facility plans, and other analysis projects, as appropriate. • AMAFCA will continue to include BMP/water quality facility retrofit projects in the biennial Project Schedule. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • In FY 2024, AMAFCA completed the 2025 Project Schedule which covers a six-year planning horizon (2025-2030). Coordination meetings with watershed MS4s, TAG members, and other entities occurred during the development of this Project Schedule and included the ranking of stormwater quality projects. |
| 3.2 | 97 | <p><u>Part 1.D.5.c.(ii)(m)</u> - 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: <u>Part 1.D.5.c.(ii)(m).A.</u> - Describe how new flood control projects are assessed for water quality impacts. <u>Part 1.D.5.c.(ii)(m).B.</u> - Provide citations and descriptions of design standards that ensure water quality controls are incorporated in future flood control projects. <u>Part 1.D.5.c.(ii)(m).C.</u> - Include method for permittees to update standards with new and/or innovative practices. <u>Part 1.D.5.c.(ii)(m).D.</u> - Describe master planning and project planning procedures and design review procedures.</p> | <p><u>Part 1.D.5.c.(ii)(m).A.</u> - AMAFCA, through its processes, will assess new flood control projects for water quality impacts. As new flood control projects are constructed, AMAFCA will consider the appropriate time and location for the collection of water quality data to assess project water quality impacts. During facility planning, AMAFCA will adhere to current and future drainage and water quality management plans passed by the AMAFCA Board of Directors, Bernalillo County Commission, or Albuquerque City Council. AMAFCA will continue its proactive policy of incorporating stormwater quality BMPs into new flood control projects when feasible. AMAFCA will publish projects, including schedule and cost sharing, in the biennial AMAFCA Project Schedule. Using the Project Schedule process, water quality projects and water quality retrofit projects may be ranked and prioritized. <u>Part 1.D.5.c.(ii)(m).B.</u> - AMAFCA is assessing the use of National design standards related to water quality controls. <u>Part 1.D.5.c.(ii)(m).C.</u> - AMAFCA will continually assess design standards and practices, technical specifications, and BMPs and implement them, as applicable. <u>Part 1.D.5.c.(ii)(m).D.</u> - AMAFCA has established procedures for master planning through its Drainage Master Plan development, project planning procedures using its Project Schedule, and design review procedures used by its Development Review Engineer.</p> | <ul style="list-style-type: none"> • AMAFCA has all of the elements of the Technical Criteria Guidance Document as part of their various programs but not as part of one document. Many of these elements are done in cooperation with watershed MS4s. • AMAFCA's Project Schedule process includes, in part, coordination with watershed MS4s, TAG members, and other entities within its jurisdiction and may include the ranking of flood control and stormwater quality projects. • AMAFCA is assessing the use of National design standards related to water quality controls. • AMAFCA will continually assess design standards and practices and implementing them, as applicable. • AMAFCA will continue to follow its established procedures for Drainage Master Plan development, project planning procedures using its Project Schedule, and design review procedures used by its Development Review Engineer. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • In FY 2024, AMAFCA completed the 2025 Project Schedule which covers a six-year planning horizon (2025-2030). Coordination meetings with watershed MS4s, TAG members, and other entities occurred during the development of this Project Schedule and included the ranking of stormwater quality projects. • AMAFCA is assessing the use of ASCE's "Standard Guidelines for the Design of Urban Stormwater Systems, Standard Guidelines for Installation of Urban Stormwater Systems, and Standard Guidelines for the Operation and Maintenance of Urban Stormwater Systems" for national design standards related to water quality controls. • AMAFCA continued to follow its established procedures for Drainage Master Plan development, project planning procedures using its Project Schedule (refer to the Post-Construction section of the Annual Report for additional information), and design review procedures used by its Development Review Engineer. |
| 3.2 | 98 | <p><u>Part 1.D.5.c.(ii)(n)</u> - 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.</p> | <p><u>Part 1.D.5.c.(ii)(n)</u> - AMAFCA will only allow licensed staff or professionally licensed contractors to apply herbicides and pesticides within AMAFCA rights-of-way (AMAFCA does not apply fertilizers in its operations). In addition, AMAFCA will review, as necessary, leases and licenses, to ensure wording is included addressing the control of discharge of pollutants related to the storage and application of pesticides, herbicides, and fertilizers applied by entities leasing or licensed to use AMAFCA lands. AMAFCA will develop a tracking system to monitor herbicides and pesticides within AMAFCA rights-of-way (AMAFCA does not apply fertilizers in its operations). AMAFCA will store all herbicides and pesticides according to direction by product vendors.</p> | <ul style="list-style-type: none"> • AMAFCA personnel will typically not apply fertilizers in its operations. • AMAFCA will only allow professional licensed contractors or licensed crew members to apply herbicides and pesticides within AMAFCA rights-of-way. • AMAFCA will be reviewing, as necessary, leases and licenses, to ensure wording is included addressing the control of discharge of pollutants related to the storage and application of herbicides, pesticides, and fertilizers applied by entities leasing or licensed to use AMAFCA lands. • AMAFCA will continue developing a tracking system to monitor herbicide and pesticide applications within AMAFCA ROW. • AMAFCA will store all herbicides and pesticides according to direction by product vendors. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • In FY 2024, the AMAFCA licensed crew members or professional licensed contractors were used when herbicide and/or pesticide application was necessary. • Herbicide and pesticide storage was reviewed as part of the Good Housekeeping assessment. • AMAFCA has a tracking system for the herbicide and pesticide inventory. |

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| 3.3 | 99 | Develop or update a list and a map of industrial facilities owned or operated by the permittee as required in Part I.D.5.c.(iii) . | Part I.D.5.c.(iii) - N/A - No EPA Multi Sector General Permit (MSGP) facilities within AMAFCA rights-of-way. This has been discussed and confirmed with NMED. This was submitted to EPA in AMAFCA's NOI and accepted. | N/A | N/A |
| Not Included in NOI | 100 | Update the SWMP document and annual report as required in I.D.5.c.(iv) and Part I.D.5.c.(v). Part I.D.5.c.(iv) - The permittee must include in the SWMP a description of the mechanism(s) utilized to comply with each of the elements required in Part I.D.5.c.(i) throughout Part I.D.5.c.(iii) and its corresponding measurable goal. and Part I.D.5.c.(v) - The permittee shall assess the overall success of the program, and document the program effectiveness in the Annual Report. | Part I.D.5.c.(iv) - AMAFCA's Stormwater Quality Engineer will review the program requirements for the above-mentioned SWMP elements during the Annual Report process. The measurable goals in this section of the SWMP are the mechanisms used to comply with the Permit elements. A strategy to implement any new program requirements will be developed as needed. Part I.D.5.c.(v) - The Annual Report will serve as the progress report for this program, if applicable. AMAFCA will incorporate documentation by reference into the Annual Report. | <ul style="list-style-type: none"> As part of the Annual Report process, the Stormwater Quality Engineer will review the program requirements listed in Part I.D.5.c, for the above-mentioned SWMP elements and develop a strategy to implement any new program requirements. The Annual Report will serve as the progress report for this program, if applicable. AMAFCA will incorporate documentation by reference into the Annual Report. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> During the Annual Report preparation, AMAFCA's Storm Water Quality Engineer reviewed the program requirements listed in Part I.D.5.c, for the program SWMP elements, and considered program needs and requirements. This Annual Report documents the program effectiveness and program success in the status of implementation and performance assessment for each MS4 Permit requirement. |

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

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| | 103 | TABLE 6: Illicit Discharges and Improper Disposal - Part I.D.5.e | | | |
| See NOI Sections Below | 104 | As described in <u>Part I.D.5.e.(i)</u> , 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): | <u>Part I.D.5.e.(i)</u> - AMAFCA has developed a program to detect and eliminate illicit discharges. The program elements, as they relate to the permit requirements, are described in detail below. | <ul style="list-style-type: none"> The AMAFCA Stormwater Quality Engineer will continue to review, revise, and implement the Illicit Discharge Detection and Elimination Program requirements, as needed. AMAFCA will continue to update the current written procedure for this program element as part of the MS4 Strategies and Procedures Notebook. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> In FY 2024, AMAFCA followed its policy of immediate coordination with downstream MS4 permittees and/or appropriate local, state, tribal, or federal regulatory agencies when such discharges were detected by AMAFCA personnel. The Illicit Discharge Response Plan specifies that AMAFCA alert the proper agency, if required. |
| 5.1 | 105 | Mapping as required in <u>Part I.D.5.e.(i).(a)</u> . 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 discharge points into major drainage channels draining more than twenty (20) percent of the MS4 area; | <u>Part I.D.5.e.(i).(a)</u> - AMAFCA will continue to update its Maintenance Responsibilities for Drainage Facilities in the Albuquerque Metropolitan Area (Map). This is a color coded, detailed maintenance map showing all AMAFCA facilities (water quality BMPs, channels, large diameter storm drains, ponds, berms or dikes, dams, and receiving waters) and AMAFCA outfalls. AMAFCA cooperates with COA, NMDOT, Bernalillo County, SSCAFCA, Village of Los Ranchos, and MRGCD to collect their data for AMAFCA's map. This map is available on the AMAFCA website: http://www.amafca.org/maps-2/ | <ul style="list-style-type: none"> AMAFCA will continue to keep this maintenance map up-to-date for AMAFCA facilities and other MS4 permittee facilities, as information is provided. Cooperation with other MS4s will continue related to this map. AMAFCA will continue to update the map and publish this map on-line. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> In FY 2024, AMAFCA updated the GIS and webpage Interactive Map. This map is available online: https://amafca.org/gis-maps-data/ |
| 5.2 | 106 | Ordinance (or other control method) as required in <u>Part I.D.5.e.(i)(b)</u> . | <p>Because AMAFCA is a flood control authority, the legal authority and jurisdiction granted to it by the State of New Mexico is limited.</p> <p><u>Part I.D.5.e.(i)(b)</u> - AMAFCA will contractually and/or administratively require the control of non-stormwater discharges from third-party operations within AMAFCA's jurisdiction and/or rights of way to the extent allowable under State, Tribal, or local law.</p> | <ul style="list-style-type: none"> AMAFCA will begin development of contractually and/or administratively requiring the control of non-stormwater discharges on turn-key projects that AMAFCA will take over for operation and maintenance after construction to the extent allowable under State, Tribal, or local law. | N/A |
| 5.3 | 107 | Develop and implement a IDDE plan as required in <u>Part I.D.5.e.(i).(c)</u> . The permittee must include the following elements in the plan: A. Procedures for locating priority areas likely to have illicit discharges including field tests for selected pollutant indicators (ammonia, boron, chlorine, color, conductivity, detergents, E. coli, enterococci, total coliform, fluoride, hardness, pH, potassium, conductivity, surfactants), and visually screening outfalls during dry weather; B. Procedures for enforcement, including enforcement escalation procedures for recalcitrant or repeat offenders; C. Procedures for removing the source of the discharge; D. Procedures for program evaluation and assessment; and E. Procedures for coordination with adjacent municipalities and/or state, tribal, or federal regulatory agencies to address situations where investigations indicate the illicit discharge originates outside the MS4 jurisdiction. | <u>Part I.D.5.e.(i).(c)</u> - AMAFCA will continue to assess its IDDE program, as appropriate. | <ul style="list-style-type: none"> AMAFCA will continue to implement the updated IDDE program elements. AMAFCA will continue membership and involvement in the cooperative MS4 Technical Advisory Group (MS4 TAG) which will facilitate cooperation and coordination with other MS4s in the Middle Rio Grande related to the IDDE program. AMAFCA will continue development of this program element in its MS4 Strategies and Procedures Notebook. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> AMAFCA continued its membership and involvement in the cooperative MS4 TAG, which facilitated cooperation and coordination with other MS4s in the Middle Rio Grande related to the IDDE program. In FY 2024, AMAFCA continued to add the ABCWUA monthly DMR reports for SSOs to a maintained GIS database to help identify sources, trends, and issues. ABCWUA's CMOM Annual Report (which includes the Overflow Emergency Response Plan) is available upon request to the ABCWUA. AMAFCA continued utilizing established IDDE screening procedures, protocols, and response plan. |

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| 5.4 | 108 | Develop an education program as required in Part I.D.5.e.(i).(d) . Develop an education program to promote, publicize, and facilitate public reporting of illicit connections or discharges, and distribution of outreach materials. The permittee shall inform public employees, businesses and the general public of hazards associated with illegal discharges and improper disposal of waste. | Part I.D.5.e.(i).(d) - AMAFCA will continue to participate in the MRGSQT and collaborate with the MS4 permittees to provide educational information regarding stormwater quality to the community. This information will promote, publicize, and facilitate public reporting of illicit connections or discharges, and distribution of outreach materials. This program informs the public of hazards associated with illicit discharges and improper waste disposal, as well as proper ways to dispose of hazardous wastes. | <ul style="list-style-type: none"> • AMAFCA will continue work with the MRGSQT to inform the general public of the hazards associated with illegal discharges and improper disposal of waste. • AMAFCA will continue its involvement with and financial support of BEMP and through the MRGSQT. • The MRGSQT Outcomes Report is available upon request and AMAFCA plans to share this document on its website. • AMAFCA will continue an in-house training program for its administrative, engineering, and field employees regarding illegal discharges and improper disposal of waste. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • AMAFCA continued its partnership with the MRGSQT to inform the general public of the hazards associated with illegal discharges and improper disposal of waste. • In FY 2024, AMAFCA continued its involvement with and financial support of BEMP through the MRGSQT. • The MRGSQT Outcomes Report summarizes the educational and outreach programs for FY 2024. This report is contained in the Program Summaries section of the Annual Report. • Stormwater continues to be a topic at the weekly staff and monthly crew meetings, including discussions related to pollution prevention and good housekeeping. In addition, pertaining to AMAFCA employees, AMAFCA continues utilizing the IDDE Incident Report Form. |
| 5.5 | 109 | Establish a hotline as required in Part I.D.5.e.(i).(e) . | Part I.D.5.e.(i).(e) - MS4s that are members of the MRGSQT benefit from the Albuquerque 311 Citizen Contact Center. The 311 service is a single telephone number for all non-emergency inquiries and services. This program includes citizen calls regarding illicit discharges. | <ul style="list-style-type: none"> • MS4s in the watershed will continue to participate in the 311 call in program. | <p>Met FY 2024 Goal.</p> <ul style="list-style-type: none"> • AMAFCA investigated and documented all jurisdictional illicit discharge complaints received through the 311 call in program, as well as other complaints received directly by AMAFCA staff through email, phone, or ABCWUA's monthly DMR Sanitary Sewer Overflow Reports provided to AMAFCA. AMAFCA continued use of the IDDE Incident Report Form, which is used to report illicit discharges that were witnessed by or reported to AMAFCA staff. The 311 complaints that are not in AMAFCA's jurisdiction are directed to the appropriate jurisdictional agency. • AMAFCA continued to discuss illicit discharges (events, issues, and follow-up) at staff meetings. • A copy of the IDDE Incident Report Form as well as the current Illicit Discharge Response Plan and testing procedures are available upon request. |
| 5.6 | 110 | Investigate suspected significant/severe illicit discharges as required in Part I.D.5.e.(i).(f) . Investigate suspected significant/severe illicit discharges within forty-eight (48) hours of detection and all other discharges as soon as practicable; and, requirement of immediate cessation of illicit discharges upon confirmation of responsible parties. Illicit Discharge is defined in 40 CFR 122.26(b)(2) as "Illicit discharge means any discharge to a municipal separate storm sewer that is not composed entirely of stormwater except discharges pursuant to a NPDES permit (other than the NPDES permit for discharges from the municipal separate storm sewer) and discharges resulting from fire fighting activities." | Part I.D.5.e.(i).(f) - AMAFCA will continue its policy of investigation of suspected significant/severe illicit discharges within forty-eight (48) hours of detection/reporting and all other discharges as soon as practicable. AMAFCA plans to continue removing/treating such discharges as expeditiously as possible and requiring immediate cessation of illicit discharges upon confirmation of responsible parties. AMAFCA will continue its procedures for illicit discharge investigation and use of its IDDE Incident Report Form. "Illicit discharge" also covers illegal or improper disposal or dumping of wastes into AMAFCA facilities. For AMAFCA, "illicit discharges" typically fall into two categories: (1) liquid discharge, or (2) solid discharge (dumped trash, debris, dirt/sediment, tires). Liquid discharges are considered urgent in order to quickly determine if they are significant/severe illicit discharges and are investigated within forty-eight (48) hours of detection. Solid discharge are investigated and identified for clean-up during the weekly staff meetings. | <ul style="list-style-type: none"> • AMAFCA will continue its policy of investigation of suspected significant/severe illicit discharges within 48 hours of detection and all other discharges as soon as practicable. • MS4s in the watershed will continue to participate in the 311 call in program. • AMAFCA will continue membership and involvement in the cooperative MS4 Technical Advisory Group (MS4 TAG) which will facilitate cooperation and coordination with other MS4s in the Middle Rio Grande related to investigation of illicit discharges. • AMAFCA will continue development of this program element in its MS4 Strategies and Procedures Notebook. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • In FY 2024, AMAFCA continued its policy of investigation of suspected significant/severe illicit discharges within 48 hours of detection and all other discharges as soon as practicable. • In addition, AMAFCA investigated and documented all jurisdictional illicit discharge complaints received through the 311 call in program, as well as other complaints received directly by AMAFCA staff through email, phone, or received through ABCWUA's monthly DMR Sanitary Sewer Overflow Report provided to AMAFCA. The 311 complaints that are not in AMAFCA's jurisdiction are directed to the jurisdictional agency. • AMAFCA continued to be involved in the MS4 TAG group, facilitating cooperation and coordination with other MS4s in the Middle Rio Grande. |

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

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| 5.9 | 114 | Develop, update, and implement a Waste Collection Program as required in Part I.D.5.e.(iv) . | Part I.D.5.e.(iv) - Activity removed from AMAFCA's SWMP. Public waste collection is the responsibility of the municipalities. AMAFCA does not have the jurisdictional authority to perform these activities. AMAFCA will continue to regularly collect waste within its rights-of-way. This was submitted to EPA in AMAFCA's NOI and accepted. | N/A | N/A |
| 5.10 | 115 | Develop, update and implement a Spill Prevention and Response program to prevent, contain, and respond to spills that may discharge into the MS4 as required in Part I.D.5.e.(v) . The Spill Prevention and Response program shall include: (a) Where discharge of material resulting from a spill is necessary to prevent loss of life, personal injury, or severe property damage, the permittee(s) shall take, or ensure the party responsible for the spill takes, all reasonable steps to control or prevent any adverse effects to human health or the environment: and (b) The spill response program may include a combination of spill response actions by the permittee (and/or another public or private entity), and legal requirements for private entities within the permittee's municipal jurisdiction. | Part I.D.5.e.(v) - AMAFCA will continue its Spill Prevention and Response program. This program element relates to Illicit Discharge, reporting requirements, crew training, spill response materials on hand (in maintenance vehicles), and good housekeeping. For AMAFCA facilities, AMAFCA encourages that crew members are trained in spill prevention and control (refer to Pollution Prevention/Good Housekeeping Control Measure). | <ul style="list-style-type: none"> • AMAFCA will continue development of its cooperative Spill Response Program with agency partners and as part of its MS4 Strategies and Procedures Notebook. • AMAFCA encourages that crew members are trained in spill prevention and control (refer to Pollution Prevention/Good Housekeeping Control Measure). • AMAFCA will continue membership and involvement in the cooperative MS4 TAG and the MRGSQT, which will facilitate cooperation and coordination with other MS4s in the Middle Rio Grande related to spill prevention and response. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • AMAFCA continued to follow the Spill Prevention and Response Plan. • AMAFCA continued development of its cooperative Spill Prevention and Response Program with agency partners. As part of this cooperative, MS4s have established contracts with an environmental clean-up company to assist the Middle Rio Grande MS4s with IDDE response. • AMAFCA continued to be involved in the MS4 TAG group, facilitating cooperation and coordination with other MS4s in the Middle Rio Grande. |
| Not Included in NOI | 116 | Part I.D.5.e.(vi) - The permittee must include in the SWMP a description of the mechanism(s) utilized to comply with each of the elements required in Part I.D.5.e.(i) throughout Part I.D.5.e.(v) and its corresponding measurable goal. A description of the means, methods, quality assurance and controls protocols, and schedule for successfully implementing the required screening, field monitoring, laboratory analysis, investigations, and analysis evaluation of data collected; and Part I.D.5.e.(vii) - The permittee shall assess the overall success of the program, and document the program effectiveness in the Annual Report. | Part I.D.5.e.(vi) - AMAFCA's Stormwater Quality Engineer will review the program requirements listed for the above-mentioned program elements, during the Annual Report process. A review of the screening completed and the data collected, if any, will be available upon request and AMAFCA will incorporate documentation by reference into the Annual Report and plans to document progress on the AMAFCA website. A strategy to implement any new program requirements will be developed as needed. AMAFCA will maintain and update, as necessary, its MS4 Strategies and Procedures Notebook for this MS4 Program. Part I.D.5.e.(vii) - AMAFCA will document the program effectiveness and program success. AMAFCA will incorporate documentation by reference into the Annual Report. | <ul style="list-style-type: none"> • As part of the Annual Report process each year, the Stormwater Quality Engineer will review the program requirements listed in Part I.D.5.e. for the above-mentioned SWMP elements, and develop a strategy, if applicable, to implement any new program requirements. • A review of the screening completed and the data collected, if any, will be available upon request and AMAFCA will incorporate documentation by reference into the Annual Report and plans to document progress on the AMAFCA website. • AMAFCA will document the program effectiveness and program success. AMAFCA will incorporate documentation by reference into the Annual Report. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • AMAFCA's Program was reviewed by the Storm Water Quality Engineer for the reporting period as part of this Annual Report process. • In FY 2024, AMAFCA discontinued operation and analysis from Leveloggers located at the channelized inlets to the NDC on AMAFCA ROW. This activity was removed during FY 2024 in conjunction with modifications to AMAFCA SWMP Rev. 6. The AMAFCA SWMP Rev. 7 was adopted on July 1, 2024. • This Annual Report and associated Program Summaries document the program effectiveness and program success in the status of implementation and performance assessment for each MS4 Permit requirement. |

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| 5.11 | 117 | <p>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."</p> | <p>Part I.D.5.e.(ix)(a) - AMAFCA operates and maintains Levelloggers and rainfall gauges for the NDC watershed to better understand runoff and evaluate monitoring locations. Future telemetry project will add screening capabilities for other outfalls. Part I.D.5.e.(ix)(b) - This enhancement may be considered and included in the future. Part I.D.5.e.(ix)(c) - AMAFCA currently coordinates with MS4s, as appropriate, and the ABCWUA for notification of illicit discharges. AMAFCA will continue to pursue developing similar cooperative coordination with other agencies. Part I.D.5.e.(ix)(d) and (e) - These cooperative elements may be considered in the future. Part I.D.5.e.(ix)(f) - AMAFCA had a consultant evaluate the AMAFCA IDDE program and develop recommendations for improving the program in order to comply with the MS4 Permit. The report included evaluating the procedures and methodologies described in "IDDE, A Guidance Manual for Program Development and Technical Assessments", for incorporation into AMAFCA's IDDE program. AMAFCA will continue to implement recommendations from this report, as appropriate.</p> | <ul style="list-style-type: none"> • AMAFCA will document progress made, if any, with these program enhancement activities. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • In FY 2024, AMAFCA discontinued operation and analysis from Levelloggers located at the channelized inlets to the NDC on AMAFCA ROW. This activity was removed during FY 2024 in conjunction with modifications to AMAFCA SWMP Rev. 6. The AMAFCA SWMP Rev. 7 was adopted on July 1, 2024. • In FY 2024, AMAFCA worked with COA and ABCWUA for notification of illicit discharges. AMAFCA also cooperated with Bernalillo County and NMDOT related to IDDE in FY 2024. |
| 5.12 | 118 | <p>Item from MS4 Permit NOI. Describe other proposed activities to address the Illicit Discharges and Improper Disposal Measure.</p> | <p>AMAFCA will continue to utilize the Annual Report process as a means to perform a self-audit with the goal to improve its MS4 Programs.</p> | <ul style="list-style-type: none"> • AMAFCA will annually document progress made, if any, related to the Annual Report and SWMP revision process as a means to perform a self-audit on the MS4 Program elements. | <p>Met FY 2024 Goal.</p> <ul style="list-style-type: none"> • AMAFCA continued to utilize the Annual Report process as a means to perform a self-audit on the MS4 Program elements. |

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| | 119 | TABLE 7: Control of Floatables Discharges - Part I.D.5.f | | | |
| 6.1 | 120 | As required in Part I.D.5.f.(i) , the permittee must develop, update, and implement a program to address and control floatables in discharges into the MS4. The floatables control program shall include source controls and, where necessary, structural controls. Permittees previously covered under NMS000101 or NMR04A000 must continue existing programs while updating those programs, as necessary, to comply with the requirements of this permit. The permittee shall develop or update a schedule to implement as required in Part I.D.5.f.(i).(a) . Note: AMAFCA and COA should update the schedule according to the findings of the 2005 AMAFCA/COA Floatable and Gross Pollutant Study and other studies. | Part I.D.5.f.(i) and (i).(a) - AMAFCA will continue to implement a program to address and control floatables in discharges into the MS4. AMAFCA will continue to install stormwater quality features to control floatables, such as ported risers, trash racks, and screened inlets in both new construction and retrofits where appropriate. AMAFCA will continue to coordinate with COA relative to structural BMPs within AMAFCA rights-of-way. | <ul style="list-style-type: none"> The AMAFCA Stormwater Quality Engineer will continue to review, revise, and implement a program to address and control floatables in discharges into the MS4. AMAFCA will develop a written procedure for this program element. AMAFCA will continue to cooperate and coordinate with COA relative to structural BMPs within AMAFCA rights-of-way. AMAFCA will continue membership and involvement in the cooperative MS4 Technical Advisory Group (MS4 TAG), which will facilitate cooperation and coordination with other MS4s in the Middle Rio Grande related control of floatables discharges. AMAFCA will continue utilizing the manual trash collection contracts. AMAFCA is pursuing developing a cooperative program for this program element. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> The AMAFCA Storm Water Quality Engineer continued to implement a program to address and control floatables in discharges into the MS4. AMAFCA continued to be involved in the MS4 TAG, facilitating cooperation and coordination with other MS4s in the Middle Rio Grande. AMAFCA continued utilizing the manual trash collection contracts in FY 2024. Photos of AMAFCA operations to remove floatables and sediment in FY 2024 are provided in the Pollution Prevention/ Good Housekeeping Program & Control of Floatables Program Summary. |
| 6.2 | 121 | Estimate the annual volume of floatables and trash removed from each control facility and characterize the floatable type as required in Part I.D.5.f.(i).(b) . | Part I.D.5.f.(i).(b) - AMAFCA will continue to estimate the annual volume of floatables and trash removed from each control facility as well as to characterize the floatable type. The AMAFCA operations and maintenance crew and subcontractors track the volume of floatables, sediment, trash, and debris removed from AMAFCA facilities. This tracking procedure includes the location of removal by facility and watershed. | <ul style="list-style-type: none"> AMAFCA will continue to estimate the annual volume of floatables and trash removed from each control facility and characterize the floatable type. AMAFCA will continue to utilize crew activity tracking, allowing AMAFCA to better and more easily determine the volume of floatables and sediment removed from each AMAFCA facility. AMAFCA has updated, cooperative waste characterization study in the watershed during the Permit term. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> In FY 2024, AMAFCA continued to implement its crew tracking system and database. A summary of trash, sediment, and vegetation removed within AMAFCA's jurisdiction is included in the relevant Program Summary. |
| 6.3 | 122 | Item from MS4 Permit NOI. Describe other proposed activities to address the Control of Floatables Discharges Measure. | AMAFCA will continue to utilize the Annual Report and SWMP revision process as a means to perform a self-audit with the goal to improve its MS4 Programs. | <ul style="list-style-type: none"> AMAFCA will document progress made, if any, related to the Annual Report and SWMP revision process as a means to perform a self-audit on the MS4 Program elements. | <p>Met FY 2024 Goal.</p> <ul style="list-style-type: none"> AMAFCA continued to utilize the Annual Report process as a means to perform a self-audit on the MS4 Program elements. |
| Not Included in NOI | 123 | Update the SWMP document and Annual Report as required in Part I.D.5.f.(ii) and Part I.D.5.f.(iii) . Part I.D.5.f.(ii) - The permittee must include in the SWMP a description of the mechanism(s) utilized to comply with each of the elements required in Part I.D.5.f.(i) . Part I.D.5.f.(iii) - The permittee shall assess the overall success of the program, and document the program effectiveness in the Annual Report. | Part I.D.5.f.(ii) - AMAFCA's Stormwater Quality Engineer will review the program requirements listed for the above-mentioned program elements, during the Annual Report process. A strategy to implement any new program requirements or improve the compliance with program requirements will be developed as needed. Part I.D.5.f.(iii) - AMAFCA will document the program effectiveness and program success. AMAFCA will incorporate documentation by reference into the Annual Report. | <ul style="list-style-type: none"> As part of the Annual Report process each year, the Stormwater Quality Engineer will review the program requirements listed in Part I.D.5.f, for the above-mentioned SWMP elements, and assess the overall success of the program. AMAFCA will document the program effectiveness and program success. AMAFCA will incorporate documentation by reference into the Annual Report. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> In FY 2024, as part of the Annual Report development, AMAFCA's Storm Water Quality Engineer reviewed the program requirements listed in Part I.D.5.f for this section. This Annual Report and associated Program Summaries document the program effectiveness and program success in the status of implementation and performance assessment for each MS4 Permit requirement. Additional documentation available upon request. |

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| | 124 | TABLE 8: Public Education and Outreach on Stormwater Impacts - Part I.D.5.g | | | |
| 7.1 | 125 | Develop, revise, implement, and maintain an education and outreach program as required in Part I.D.5.g.(i) and Part I.D.5.g.(ii) . This comprehensive stormwater program should educate the community, employees, businesses, and the general public of hazards associated with the illegal discharges and improper disposal of waste and about the impact that stormwater discharges on local waterways, as well as the steps that the public can take to reduce pollutants in stormwater. | Part I.D.5.g.(i) - Through involvement in the MRGSQT and Bernalillo County, AMAFCA will continue to collaborate with the MS4 permittees to implement and improve upon the existing Public Education and Outreach program. The MRGSQT has a consulting firm under contract to act as Stormwater Coordinator and assist the team in providing public education and outreach on stormwater impacts. Included in the Stormwater Coordinator scope is to provide an Outcomes Report to the team members to summarize the yearly outreach activities through different media and methods, target audiences, and estimate of people reached. In addition to the cooperative elements with MRGSQT, AMAFCA will continue to conduct education and outreach presentations to the community specific to AMAFCA facilities and water quality. | <ul style="list-style-type: none"> • AMAFCA will continue to contribute to and participate in the MRGSQT. • AMAFCA will continue to conduct education and outreach presentations to the community specific to AMAFCA facilities and water quality. AMAFCA's efforts will be included in the MRGSQT Outcomes Report. This report is available upon request and AMAFCA plans to share this document on its website. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • AMAFCA continued to contribute to and participate in the MRGSQT. • AMAFCA's efforts are included in the MRGSQT Outcomes Report. This report is contained in the Program Summaries section of the Annual Report. |
| Not Included in NOI | 126 | Part I.D.5.g.(ii) , the permittee must implement a public education program to distribute educational knowledge to the community or conduct equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants in storm water runoff. The permittee must: Part I.D.5.g.(ii)(a) , Define the goals and objectives of the program based on high priority community-wide issues; Part I.D.5.g.(ii)(b) , Develop or utilize appropriate educational materials, such as printed materials, billboard and mass transit advertisements, signage at select locations, radio advertisements, television advertisements, and websites. | <p>Part I.D.5.g.(ii)(a) - The MRGSQT has developed a matrix to define the Public Education and Outreach objectives, priorities, and target audiences. The matrix will be reviewed and updated, as necessary, throughout the Permit term.</p> <p>Part I.D.5.g.(ii)(b) - The MRGSQT will continue to develop and utilize appropriate educational materials such as brochures, media campaigns, public presentations/events, giveaways, display booths/kiosks, signage at select locations, and postings on social media sites (Facebook) and websites. The types of materials utilized by the MRGSQT are summarized in the annual Outcomes Report.</p> | <ul style="list-style-type: none"> • AMAFCA, through its participation in the MRGSQT will review, throughout the Permit term, and update, as necessary, the program matrix to define the Public Education and Outreach and Public Involvement and Participation objectives, priorities, and target audiences. • The MRGSQT will continue to develop and utilize appropriate educational materials such as brochures, media campaigns, public presentations/events, giveaways, display booths/kiosks, signage at select locations, and postings on social media sites (Facebook) and websites. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • The MRGSQT continued to use the matrix this year to guide the Public Education and Outreach and Public Involvement and Participation objectives, priorities, and target audiences. • The types of materials utilized are summarized in the attached Program Summary MRGSQT Outcomes Report. The Facebook page and website (www.keeperiogrande.org) remained active in FY 2024. • MRGSQT continued to distribute BMP brochures in English and Spanish for specific industries (Contractors, Food Preparation or Service, Parking Lots and Drive Through Lanes, Fueling Stations, Vehicle and Equipment Repair, Carpet and Upholstery Cleaning, Scrap Metal Recycling, and Landscaping). These materials are available upon request. |
| Not Included in NOI | 127 | Part I.D.5.g.(ii)(c) , Inform individuals and households about ensuring proper septic system maintenance, ensuring the proper use and disposal of landscape and garden chemicals including fertilizers and pesticides, protecting and restoring riparian vegetation, and properly disposing of used motor oil or household hazardous wastes; | Part I.D.5.g.(ii)(c) - The MRGSQT's program matrix and Public Education and Outreach programs include proper septic system maintenance, proper use and disposal of landscape and garden chemicals including fertilizers and pesticides, and properly disposing of household hazardous wastes. | <ul style="list-style-type: none"> • The MRGSQT will continue to include these specific educational areas in their program matrix and reporting on these areas in their annual Outcomes Report. | <p>Met FY 2024 Goal.</p> <ul style="list-style-type: none"> • The MRGSQT Outcomes Report typically includes a table summarizing the MS4 Permit Public Education and Outreach Component/reference with the MRGSQT activities, as well as including the type of audiences reached. In addition, information on these topics is available on the MRGSQT website (www.keeperiogrande.org). • In FY 2024, the MRGSQT continued distribution of brochures targeting septic system education. • AMAFCA and Bernalillo County continued to distribute BMPs brochures for specific industries. Landscaping was one industry area of focus. • Both COA and Bernalillo County sponsor Household Hazardous Waste (HHW) collection events throughout the year. |

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| Not Included in NOI | 128 | <p><u>Part I.D.5.g.(ii)(d)</u>. 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.</p> | <p><u>Part I.D.5.g.(ii)(d)</u> - The MRGSQT, which AMAFCA is a member, utilizes volunteers throughout communities within the watershed to assist with park, open space, trail, and river cleanup projects. Communication for Public Education and Outreach and Public Involvement and Participation is achieved by activities organized with youth service groups, conservation corps, and other citizen groups. In addition, AMAFCA will continue to foster Public Education and Outreach and Public Involvement and Participation programs, including Earth Force - Keep it Clean student outreach, Talking Talons Youth Leadership Activities, and Rocky Mountain Youth Corps programs.</p> | <ul style="list-style-type: none"> The MRGSQT will continue communication for public involvement and participation activities as well as assist with communication for Public Education and Outreach and Public Involvement and Participation activities organized by youth service groups, conservation corps, and other citizen groups. These volunteer activities will be summarized in the annual MRGSQT Outcomes Report. The MRGSQT Outcomes Report is available upon request and AMAFCA plans to share this document on its website. Through the MRGSQT, two partner education programs, BEMP and , are supported. is an innovative, long-term outreach program that integrates water resource topics with computer technology, student writing, and a hands-on curriculum to meet specific, measurable outcomes. The main objective of the Stormwater Science outreach education program BEMP is to teach students that the health of the Rio Grande is directly related to the health of the surrounding watershed. AMAFCA will continue to foster Public Education and Outreach and Public Involvement and Participation programs, including Earth Force, Talking Talons Youth Leadership Activities, and Rocky Mountain Youth Corps programs. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> The MRGSQT Outcomes Report typically documents volunteer participation in park, open space, trail, and river cleanup projects. The Keep the Rio Grande website has been updated to better assist with implementation of this activity. Through the MRGSQT, three partner education and student involvement programs, Arroyo Classroom, BEMP, and RiverXchange, were supported in FY 2024. |
| Not Included in NOI | 129 | <p><u>Part I.D.5.g.(ii)(e)</u>. Use tailored public education program, using a mix of locally appropriate strategies, to target specific audiences and communities. Examples of strategies include distributing brochures or fact sheets, sponsoring speaking engagements before community groups, providing public service announcements, implementing educational programs targeted at school age children, and conducting community-based projects such as storm drain stenciling, and watershed cleanups;</p> | <p><u>Part I.D.5.g.(ii)(e)</u> - The MRGSQT will continue to organize comprehensive Public Education and Outreach programs with appropriate strategies to target specific audiences in the Middle Rio Grande community.</p> | <ul style="list-style-type: none"> The MRGSQT will continue to include comprehensive education programs with appropriate strategies to target specific audiences in the Middle Rio Grande community. The target audiences for the educational programs will be identified in the Outcomes Report. | <p>Met FY 2024 Goal.</p> <ul style="list-style-type: none"> The MRGSQT Outcomes Report includes information on the comprehensive Public Education and Outreach programs, community events, presentations, and participation activities in FY 2024. The MRGSQT participated in a wide variety of community events. Through the MRGSQT, three partner education and student involvement programs, Arroyo Classroom, BEMP, and RiverXchange, were supported in FY 2024. The target audiences for these activities are typically identified in the Outcomes Report. The Keep the Rio Grande website has been updated to better assist with implementation of this activity. |

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| Not Included in NOI | 130 | <p><u>Part 1.D.5.g.(ii)(f)</u>, Use materials or outreach programs directed toward targeted groups of commercial, industrial, and institutional entities likely to have significant stormwater impacts. For example, providing information to restaurants on the impact of grease clogging storm drains and to garages on the impact of oil discharges. The permittee may tailor the outreach program to address the viewpoints and concerns of all communities, particularly minority and disadvantaged communities, as well as any special concerns relating to children. The permittee must make information available for non-English speaking residents, where appropriate.</p> | <p><u>Part 1.D.5.g.(ii)(f)</u> - The MRGSQT will continue to include Public Education and Outreach programs directed toward commercial, industrial, engineering/contractors, and other institutional entities to meet the MS4 Permit requirements. Where outreach target groups include Spanish-speaking residents, MRGSQT may have Spanish-translations available of public meeting announcements and data sheets. The need for bi-lingual outreach will be assessed by the MRGSQT as needed.</p> | <ul style="list-style-type: none"> • The MRGSQT cooperative programs will continue to include information on Public Education and Outreach and Public Involvement and Participation programs directed toward commercial, industrial, engineering/contractors, and other institutional entities. • Where outreach target groups include Spanish-speaking residents, MRGSQT may have Spanish-translations available of public meeting announcements and data sheets. The need for bi-lingual outreach will be assessed by the MRGSQT as needed. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • The MRGSQT Outcomes Report includes information on Public Education and Outreach and Public Involvement and Participation programs directed toward commercial, industrial, engineering/contractors, and other institutional entities. • The MRGSQT continued to distribute BMP brochures in English and Spanish for specific industries (Contractors, Food Preparation or Service, Parking Lots and Drive Through Lanes, Fueling Stations, Vehicle and Equipment Repair, Carpet and Upholstery Cleaning, Scrap Metal Recycling, and Landscaping). These materials are available upon request. |
| 7.2 | 131 | <p>Update the SWMP document and Annual Report as required in Part 1.D.5.g.(iii) and Part 1.D.5.g.(iv).</p> <p><u>Part 1.D.5.g.(iii)</u>, The permittee must include the following information in the SWMP document:</p> <p>(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;</p> <p>(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;</p> <p>(c) A description of the mechanism(s) utilized to comply with each of the elements required in Part 1.D.5.g.(i) and Part 1.D.5.g.(ii) and its corresponding measurable goal.</p> <p><u>Part 1.D.5.g.(iv)</u>, The permittee must assess the overall success of the program, and document both direct and indirect measurements of program effectiveness in the Annual Report.</p> | <p><u>Part 1.D.5.g.(iii)</u> - (a) MS4s that are members of the MRGSQT benefit from the Albuquerque 311 Citizen Contact Center. Reports for illicit discharge can be done by phone, on-line, e-mail, or through an app on cellular phones.</p> <p>(b) Educational and public outreach activities are primarily handled through the MRGSQT.</p> <p>(c) This SWMP, AMAFCA's Annual Reports, and the MRGSQT outreach coordinator contract all serve as mechanisms to comply with the elements in this section of the permit. Refer to the above SWMP program elements for additional information. AMAFCA's Stormwater Quality Engineer will review the program requirements listed for the above-mentioned program elements during the SWMP update and Annual Report process. A strategy to implement any new program requirements or improve compliance with the program requirements will be discussed with the MRGSQT and developed as needed.</p> <p><u>Part 1.D.5.g.(iv)</u> - AMAFCA will document the program effectiveness and program success. AMAFCA will incorporate documentation by reference into the Annual Report and plans to document progress on the AMAFCA website.</p> | <ul style="list-style-type: none"> • The AMAFCA Stormwater Quality Engineer will review and include the program requirements listed in Part 1.D.5.g during the SWMP update and Annual Report process. • AMAFCA will document the program effectiveness and program success. AMAFCA will incorporate documentation by reference into the Annual Report and plans to document progress on the AMAFCA website. • AMAFCA (both through the MRGSQT and individually) will use surveys to assist with determining the effectiveness of programs. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • The SWMP was reviewed during the FY 2024 Annual Report development. • The MRGSQT website (www.keeptheriogrande.org) has links related reporting illicit discharge and the COA website promotes the 311 Citizen Contact Center. • AMAFCA projects require SWPPP Management boards for all their construction projects to provide the public with contact information for reporting indicators of stormwater discharges. • This Annual Report and the MRGSQT Outcomes Report document the program effectiveness and program success in the status of implementation and performance assessment for each MS4 Permit requirement in this section of the Permit. • The MRGSQT utilized updated stormwater surveys to assess the effectiveness of the Public Education and Outreach and Public Involvement and Participation program elements. An example of the MRGSQT/AMAFCA survey, as well as survey results trendline data, are available upon request. |
| 7.2 | 132 | <p>Enhance the program to include Program Flexibility Elements in Part 1.D.5.g.(v) through Part 1.D.5.g.(viii).</p> <p><u>Part 1.D.5.g.(v)</u>, Where necessary to comply with the MS4 Permit, the permittee should develop a program or modify/revise an existing education and outreach program to:</p> <p>(a) Promote, publicize, and facilitate the use of GI/LID/Sustainability practices; and</p> <p>(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).</p> | <p><u>Part 1.D.5.g.(v)(a) and (b)</u> - AMAFCA will continue to include in its (and in the cooperative MRGSQT) Public Education and Outreach program: GI/LID/sustainability practices, litter reduction, herbicide and pesticide proper use and reduction (AMAFCA does not apply fertilizers in its operations), recycling, proper disposal of hazardous waste, proper disposal motor vehicle fluids, and proper disposal of yard waste.</p> | <ul style="list-style-type: none"> • AMAFCA will document progress made with these program enhancement activities. | <p>Met FY 2024 Goal.</p> |

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| Not Included in NOI | 133 | <p>Enhance the program to include Program Flexibility Elements in Part I.D.5.g.(v) through Part I.D.5.g.(viii) [continued]</p> <p>Part I.D.5.g.(vi). The permittee may collaborate or partner with other MS4 operators to maximize the program and cost effectiveness of the required outreach.</p> | <p>Part I.D.5.g.(vi) - The MRGSQT is a cooperative effort allowing watershed MS4 participants to maximize their education, outreach, participation, and involvement programs in a cost effective manner. Through involvement in the MRGSQT, AMAFCA will continue to collaborate with the MS4 permittees to implement and improve upon the existing Public Education and Outreach and Public Involvement and Participation programs.</p> | <p>• AMAFCA will continue to contribute to and participate in the MRGSQT in order to maximize their Public Education and Outreach and Public Involvement and Participation programs in a cost effective manner.</p> | <p>Met FY 2024 Goal.</p> <p>• AMAFCA continued to contribute to and participate in the MRGSQT.</p> |
| Not Included in NOI | 134 | <p>Enhance the program to include Program Flexibility Elements in Part I.D.5.g.(v) through Part I.D.5.g.(viii). [continued]</p> <p>Part I.D.5.g. (vii). The education and outreach program may use citizen hotlines as a low-cost strategy to engage the public in illicit discharge surveillance.</p> | <p>Part I.D.5.g.(vii) - MS4s that are members of the MRGSQT benefit from the Albuquerque 311 Citizen Contact Center. The 311 service is a single telephone number for all non-emergency inquiries and services. This program includes citizen calls regarding illicit discharges and notifies AMAFCA of such calls within its jurisdiction.</p> | <p>• MS4s that are members of the MRGSQT benefit from the Albuquerque 311 Citizen Contact Center. This is discussed in more detail in the Illicit Discharges and Improper Disposal Control Measure.</p> | <p>Met FY 2024 Goal.</p> <p>• AMAFCA continued to participate in the 311 citizen hotline as well as the Illegal Dumping Partnership, which has various jurisdictional reporting contacts. The MRGSQT website (https://keeptheriogrand.org/resources/) has additional information. This is discussed in more detail in the Illicit Discharges and Improper Disposal section of the Annual Report.</p> |
| Not Included in NOI | 135 | <p>Enhance the program to include Program Flexibility Elements in Part I.D.5.g.(v) through Part I.D.5.g.(viii). [continued]</p> <p>Part I.D.5.g. (viii). The permittee may use stormwater educational materials provided by the State, Tribe, EPA, environmental groups, public interest or trade organ., or other MS4s. The permittee may also integrate the education and outreach program with existing education and outreach programs in the MRG area. Examples of existing programs include: Classroom education on stormwater that allows students to develop watershed map to help students visualize area impacted and develop pet specific education. As well as education and outreach programs for commercial activities, lawn and garden activities, sustainable practices, pet waste management, proper disposal of household waste, trash management, water conservation practices designed to reduce pollutants in stormwater for home residences. Existing programs should include regular employee trainings with industry groups and contribute and participate in Stormwater Quality Team.</p> | <p>Part I.D.5.g.(viii) - The MRGSQT may utilize educational materials provided by the State, Tribe, EPA, environmental groups, public interest or trade organizations, or other MS4s.</p> | <p>• The MRGSQT may utilize materials, as appropriate, provided by the State, Tribe, EPA, environmental groups, public interest or trade organizations, or other MS4s. The types of materials and program focus for the materials utilized will be summarized in the annual MRGSQT Outcomes Report. This report is available upon request and AMAFCA plans to share this document on its website.</p> | <p>Met FY 2024 Goal.</p> <p>• Educational materials are provided on the MRGSQT website (https://keeptheriogrand.org) and are typically summarized in the MRGSQT Outcomes Report.</p> |

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| | 136 | TABLE 9: Public Involvement and Participation - Part I.D.5.h | | | | |
| 8.1 | 137 | Develop (or update), implement, and maintain a public involvement and participation plan as required in Part I.D.5.h.(ii) . This plan should provide opportunities for participation in the review, modification and implementation of the SWMP; develop and implement a process by which public comments to the plan are received and reviewed by the person(s) responsible for the SWMP; and make the SWMP available to the public and to the operator of any MS4 or Tribal authority receiving discharges from the MS4. | Part I.D.5.h.(ii) - AMAFCA will continue its Public Involvement and Participation program to encourage public involvement in the review, modification and implementation of the AMAFCA SWMP. | <ul style="list-style-type: none"> • AMAFCA will post the draft SWMP, any SWMP amendments or modifications, and draft Annual Reports to the www.amafca.org website with an explanation of the public comment period and instructions on how to submit comments. The posted documents will provide explanations of substantial changes, if applicable. • At least 30-days prior to submission of each updated SWMP, AMAFCA will provide public notice and make a draft copy of the updated SWMP available for public review and comment. • At least 45-days prior to submission of each Annual Report, AMAFCA will provide public notice and make a draft copy of the Annual Report available for public review and comment, as required in Part III.B of the MS4 Permit. • AMAFCA will implement, and update as needed, the Public Involvement and Participation Plan. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • AMAFCA posted the availability of a draft Annual Report on the www.AMAFCA.org website with an explanation of the public comment period and instructions on how to submit comments. • AMAFCA met the Permit required 45-day notice period for the draft FY 2024 Annual Report. | |
| 8.1 | 138 | As required in Part I.D.5.h.(iii) , the Public Involvement and Participation Plan shall include a comprehensive planning process which involves public participation and where necessary intergovernmental coordination. The permittee must include the following elements in the plan: (a) A detailed description of the general plan for informing the public of involvement and participation opportunities, including types of activities; target audiences; how interested parties may access the SWMP; and how the public was involved in development of the SWMP; (b) The development and implementation of at least one (1) assessment of public behavioral change following a public education and/or participation event; (c) A process to solicit involvement by environmental groups, environmental justice communities, civic organizations or other neighborhoods /organizations interested in water quality-related issues; and (d) An evaluation of opportunities to utilize volunteers for stormwater pollution prevention activities and awareness throughout the area. | Part I.D.5.h.(iii) - As allowed in this Permit section's "Program Flexibility Elements", AMAFCA, through its involvement with the MRGSQT, has integrated this section of the Public Involvement and Participation program with the existing Public Education and Outreach programs in the Middle Rio Grande area. The program includes: (a) A general plan for public of involvement and participation opportunities, including types of activities; target audiences; how interested parties may access the SWMP; and how to encourage public involvement in development and updates of the SWMP; (b) The development and implementation of water quality surveys to assess public knowledge and behavioral change following a public education and/or participation event; (c) A process to solicit involvement in development and updates of the SWMP through following the 45-day Annual Report and 30-day SWMP public comment period; and (d) An evaluation of opportunities to utilize volunteers for stormwater pollution prevention activities, including maintaining Mutt Mitt stations. | <ul style="list-style-type: none"> • AMAFCA will contribute and participate in the MRGSQT, which participates in public events and solicits public participation and feedback by way of volunteer participation and water quality surveys. Both the BEMP and program include participation metrics. In addition, the MRGSQT has developed and will include surveys for public behavior changes and feedback at their events. • AMAFCA will continue to follow the 45-day Annual Report and 30-day SWMP public comment period during the term of this Permit. • AMAFCA will continue to provide Mutt Mitt stations and seek volunteers to maintain the stations. AMAFCA will continue tracking this activity and reviewing metrics during the term of this Permit. | <p>Met FY 2024 Goal.</p> <ul style="list-style-type: none"> • AMAFCA continued to contribute to and participate in the MRGSQT; the Outcomes Report is contained in the Program Summaries section of the Annual Report. BEMP, River Xchange, and Arroyo Classroom programs continued in FY 2024. • AMAFCA met the Permit required notice period for the FY 2024 Annual Report documents public review. • When appropriate, AMAFCA held project specific project meetings to solicit involvement from organization interested in water quality related issues. In addition, AMAFCA participates in the Water Protection Advisory (WPAB) Board Public Involvement Committee (PIC) and presented to the Board in FY 2024. • AMAFCA continued its focus on reducing pet waste through providing Mutt Mitt Stations and bags, maintained by community volunteers. Summary information for the Mutt Mitt Stations Program is available upon request. | |
| 8.2 | 139 | Comply with State, Tribal, and local notice requirements when implementing a Public Involvement and Participation Program as required in Part I.D.5.h.(iv) . Reporting notification requirements also in Part III.D.4 . | Part I.D.5.h.(iv) & Part III.D.4 - AMAFCA will provide digital copies of all MS4 compliance reporting documents to the NMED, Pueblos of Sandia and Isleta as required of the MS4 Permit. The SWMP and Annual Reports are also available on the www.amafca.org website. | <ul style="list-style-type: none"> • AMAFCA will provide digital copies of MS4 compliance reporting documents, as appropriate, to the NMED, Pueblos of Sandia and Isleta as required here and in Part III.D.4 of the MS4 Permit. • AMAFCA will continue to post the SWMP and Annual Reports on the www.amafca.org website. | <p>Met FY 2024 Goal.</p> <ul style="list-style-type: none"> • AMAFCA provided copies of the FY 2024 Annual Report to the NMED, Pueblo of Sandia, and Pueblo of Isleta as required here and in Part III.D.4 of the MS4 Permit. • AMAFCA continued its process of posting the current SWMP and the most recent Annual Report on the www.keeptheriogrand.org and/or the www.amafca.org websites. | |

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| 8.3 | 140 | <p>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.</p> | <p>Part I.D.5.h.(v) - As allowed in this Permit section's "Program Flexibility Elements", AMAFCA, through its involvement with the MRGSQT cooperative programs, has integrated this section of the Public Involvement and Participation program with existing Public Education and Outreach programs in the Middle Rio Grande area. AMAFCA will continue to include stormwater quality information for the public at events, including public meetings. AMAFCA may have Spanish translations, as needed, of public meeting announcements and data sheets.</p> | <ul style="list-style-type: none"> • AMAFCA will continue to include (along with the cooperative MRGSQT programs) water quality information for the public at events, including public meetings. Where neighborhoods include Spanish-speaking residents, MRGSQT may have Spanish-translations available of public meeting announcements and data sheets. By attending a variety of events at widespread locations throughout the area and by using the leading area newspaper (Albuquerque Journal) to advertise events, the MRGSQT ensures that a wide-range of economic and ethnic groups are reached, as documented in the Outreach Report. • AMAFCA will use the Watershed Protection Advisory Board, Public Involvement Committee as a mechanism to reach out to the community for volunteers and to solicit input through public meetings and discussions. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • AMAFCA participated in the Watershed Protection Advisory Board (WPAB) Public Involvement Committee (PIC). |
| 8.4 | 141 | <p>Update the SWMP document and Annual Report as required in Part I.D.5.h.(vi), Part I.D.5.h.(vii), and Part I.D.5.h.(viii). The permittee must include in the SWMP a description of the mechanisms utilized to comply with each of the elements required in Parts I.D.5.h.(i) through part I.D.5.h.(iv) and its corresponding measurable goal. The permittee shall assess the overall success of the program, and document the program effectiveness in the Annual Report. The permittee must provide public accessibility of the SWMP and Annual Reports online via the Internet and during normal business hours at the MS4 operator's main office for public inspection and copying consistent with any applicable federal, state, tribal, or local open records requirements. Upon a showing of significant public interest, the MS4 operator is encouraged to hold a public meeting (or include in the agenda of in a regularly scheduled city council meeting, etc.) on the NOI, SWMP, and Annual Reports.</p> | <p>Part I.D.5.h.(vi) - AMAFCA's Stormwater Quality Engineer will review the program requirements listed for the above-mentioned program elements during the SWMP update and Annual Report process. A strategy to implement any new program requirements or improve compliance with the program requirements will be discussed with the MRGSQT, if applicable, and developed as needed.</p> <p>Part I.D.5.h.(vii) - AMAFCA will document the program effectiveness and program success. AMAFCA will incorporate documentation by reference into the Annual Report.</p> <p>Part I.D.5.h.(viii) - AMAFCA will provide public accessibility of the SWMP and Annual Reports online via the Internet on the www.amafca.org website.</p> <p>At least 30-days prior to submission of each updated SWMP, AMAFCA will provide public notice and make a draft copy of the updated SWMP available for public review and comment and at least 45-days prior to submission of each Annual Report, AMAFCA will provide public notice and make a draft copy of the Annual Report available for public review and comment, as required in Part III.B of the MS4 Permit.</p> | <ul style="list-style-type: none"> • The AMAFCA Stormwater Quality Engineer will review and include the program requirements listed in Part I.D.5.g during the SWMP update and Annual Report process. • AMAFCA will document the program effectiveness and program success. AMAFCA will incorporate documentation by reference into the Annual Report. • AMAFCA will provide public accessibility of the current SWMP document and the most recent Annual Report online via the Internet on the www.amafca.org website. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • AMAFCA continued to utilize the Annual Report process as a means to perform a self-audit on the MS4 Program elements. • This Annual Report and the MRGSQT Outcomes Report document the program effectiveness and program success in the status of implementation and performance assessment for each MS4 Permit requirement. The MRGSQT Outcomes Report is contained in the Program Summaries section of the Annual Report. • AMAFCA continued to provide public accessibility of the current SWMP document and the most recent Annual Report online via the Internet (www.amafca.org and/or www.keeperiogrand.org) and during normal business hours at the AMAFCA office. AMAFCA is located at 2600 Prospect Avenue NE, Albuquerque, NM 87107. The phone number is 505-884-2215. • AMAFCA met the Permit required 45-day notice period for the FY 2024 Annual Report. Documentation for the public review notices are provided in this section of the Annual Report. |

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| 8.5 | 142 | Enhance the program to include requirements in Part I.D.5.h.(ix) . The permittee may integrate the public involvement and participation program with existing education and outreach programs in the Middle Rio Grande area. Example of existing programs include: Adopt-A-Stream Programs; Attitude Surveys; Community Hotlines (e.g. establishment of a '311'-type number and system established to handle storm-water-related concerns, setting up a public tracking/reporting. | Part I.D.5.h.(ix) - AMAFCA will continue to include in its (and in the cooperative MRGSQT programs) public involvement and participation programs: funds toward groups which include public participation, such as Boy or Girl Scouts of America, , the Bosque Ecosystem Monitoring Program (BEMP), Earth Force - Keep it Clean student outreach, Talking Talons Youth Leadership Activities, and Youth Corps programs. MS4s that are members of the MRGSQT benefit from the Albuquerque 311 Citizen Contact Center. | <ul style="list-style-type: none"> • AMAFCA will document progress made with these program enhancement activities. AMAFCA and the MRGSQT will continue to review, update, and enhance public involvement and participation programs. The MRGSQT Outcomes Report will provide the documentation for this Permit activity. This report is available upon request and AMAFCA plans to share this document on its website. • MS4s that are members of the MRGSQT benefit from the Albuquerque 311 Citizen Contact Center. This is discussed in more detail in the Illicit Discharges and Improper Disposal Control Measure. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • The MRGSQT Outcomes Report summarizes the public involvement and participation programs and activities for FY 2024. This report is contained in the Program Summaries section of the Annual Report. • AMAFCA continued to participate in the 311 call in program. This is discussed in more detail in the Illicit Discharges and Improper Disposal Control Measure section. |
| 8.6 | 143 | Item from MS4 Permit NOI. Describe other proposed activities to address the Public Involvement and Participation Measure. | AMAFCA will continue to utilize the Annual Report and SWMP revision process as a means to perform a self-audit with the goal to improve its MS4 Programs. | • AMAFCA will document progress made, if any, related to the Annual Report and SWMP revision process as a means to perform a self-audit on the MS4 Program elements. | <p>Met FY 2024 Goal.</p> <ul style="list-style-type: none"> • AMAFCA continued to utilize the Annual Report process as a means to perform a self-audit on the MS4 Program elements. |

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| | 144 | Part III - Monitoring, Assessment and Reporting Requirements | | | |
| | 145 | TABLE 10: Wet Weather Monitoring Program - Part III.A.1 | | | |
| See NOI Sections Below | 146 | <p>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).</p> <p>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).</p> | <p>Part III.A.1 - Wet weather screening is synonymous with compliance monitoring. In the MRG MS4 Permit area, stormwater runoff discharges to the Rio Grande at outfall locations via major drainage channels, storm drains, and pump stations. The Rio Grande, the only perennial river in the watershed, enters the MRG Watershed in one location (North of Albuquerque) and leaves the MRG Watershed south of Albuquerque. Details for this program are provided in the SWMP sections below.</p> | <p>The program details and measurable goals are described below. The Final Sampling Plan for Cooperative Compliance Monitoring (CMC) was submitted to EPA on May 5, 2016. The sampling plan was accepted by the EPA and NMED.</p> <p>The current 2014 Middle Rio Grande Watershed Based Municipal Separate Storm Sewer System (MS4) Permit, NPDES Permit No. NMR04A000, expired on December 19, 2019. The MRG Watershed Based MS4 Permit entered into administrative continuance in Dec. 2019 when EPA Region 6 did not issue a new MS4 Permit before the current MS4 Permit expirations date. The MRG TAG sent EPA an Administrative Continuance letter dated October 15, 2019. Until a new MS4 Permit is issued, there are no wet and dry weather monitoring requirements in the Rio Grande. However, during administrative continuance, the CMC members will evaluate and may choose to continue sampling to support their MS4 program needs, demonstrate program progress, or gather additional data in support of the future Permit compliance.</p> | <p>See specific Permit activity below.</p> |
| IV | 147 | <p>Part III.A.3.1.b. Option B: Cooperative Monitoring Program</p> <p>Develop a cooperative wet weather monitoring program with other permittees in the Middle Rio Grande Watershed. The program will monitor waters coming into the watershed (upstream) and leaving the watershed (downstream). The program must include sampling for TSS, TDS, COD, BOD5, DO, oil and grease, E. coli, pH, total kjeldahl nitrogen, nitrate plus nitrite, dissolved phosphorus, total ammonia plus organic nitrogen, total phosphorus, PCBs and Gross alpha. Monitoring of temperature shall be also conducted at outfalls and/or Rio Grande monitoring locations. Permittees must include additional parameters from monitoring conducted under permits NMS000101, NMR04A000 or/and NMR040001 whose mean values are at or above a WQS. The monitoring program must sample the pollutants for a minimum of 7 storm events per location during the permit term with at least 3 events in the wet season and 2 events in the dry season.</p> | <p>Part III.A.3.1.b. Option B: Cooperative Monitoring Program -The cooperative wet weather compliance monitoring will monitor waters coming into the watershed (upstream) and leaving the watershed (downstream) for a minimum of 7 storm events per location during the Permit term with at least 3 in the events in the wet season and 2 events in the dry season. The wet season is defined in the permit as July 1 through October 31 and the dry season as November 1 through June 30.</p> <p>AMAFCA joined the Compliance Monitoring Cooperative (CMC) group, which includes 12 watershed partners. The participatory permittees have developed a cooperative wet weather compliance monitoring program to assess the effect of stormwater discharges on the receiving water, the Middle Rio Grande. This monitoring plan was reviewed and discussed with NMED and EPA during its development. The cooperative sampling plan was accepted by EPA and permittees submitted the sampling plan on May 5, 2016 and sampling certification to EPA on June 28, 2016. At the end of FY 2019, all Permit required samples have been obtained by the CMC.</p> | <ul style="list-style-type: none"> If the CMC does continue wet weather compliance monitoring during administrative continuance of this Permit, the monitoring program will follow the Permit requirements for parameters tested (TSS, TDS, COD, BOD5, DO, oil and grease, E. coli, pH, total kjeldahl nitrogen, nitrate plus nitrite, dissolved phosphorus, total ammonia plus organic nitrogen, total phosphorus, PCBs, Gross alpha, and temperature). In addition, parameters from stormwater monitoring conducted under Permit NMS000101, whose mean values were at or above a WQS, will also be tested. The complete list of parameters is listed in the CMC sampling plan. In addition, DO, pH, conductivity, and temperature will be analyzed in the field within 15 minutes of sample collection. If the CMC does continue wet weather compliance monitoring during administrative continuance of this Permit, the parameter list may be modified based on a review of the results obtained within the watershed and the program assessment needs for the permittees. AMAFCA will document, as applicable, any wet weather monitoring activity. AMAFCA will incorporate documentation by reference into the Annual Report and plans to document progress on the AMAFCA website. If the CMC does continue wet weather compliance monitoring during administrative continuance of this Permit, the monitoring program will be conducted according to the approved Sampling Plan for Compliance Monitoring. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> The required CMC sampling for the MS4 Permit term in the Rio Grande (2016 to 2019) was completed in FY 2019. The MRG Watershed Based MS4 Permit entered into administrative continuance in Dec. 2019 when EPA Region 6 did not issue a new MS4 Permit before the current MS4 Permit expired. The MS4 TAG sent EPA an Administrative Continuance letter dated October 15, 2019, acknowledging that until a new MS4 Permit is issued, there are no compliance monitoring requirements in the Rio Grande. Although compliance sampling is currently not required, the CMC has opted to continue collecting samples while the permit is in administrative continuance. Two (2) CMC monitoring and sampling events were conducted in FY 2024. The CMC sampled the wet season storm events on Dec 13-14, 2023 and June 26-27, 2024. The CMC continued to maintain a database of the analysis results from the collected samples for the approved parameters. This database is available upon request. The E. coli loading and load allocation calculations related to the CMC monitoring program are available upon request for the cooperative sampling completed in FY 2016 – FY 2024. |

| NOI Section | ID | Permit Activity Description | Plan SWMP Rev. 6 - July 1, 2021 | Measurable Goal SWMP Rev. 6 - July 1, 2021 | Status of Implementation and Performance Assessment Permit Year July 2023 to June 2024 (FY 2024) |
|---------------------|-----|---|---|---|---|
| IV | 148 | As required in Part III.A.1.e. and Table 10 , the permittees shall submit wet weather monitoring preference Option A or Option B to EPA (i.e., individual monitoring program vs. cooperative monitoring program) with NOI submittals. | Part III.A.1.e, Table 10 - AMAFCA submitted its NOI in compliance with the permit requirements and schedule. AMAFCA will participate in Option B - cooperative monitoring program. | <ul style="list-style-type: none"> This Permit activity is complete. | Permit Activity is Complete. |
| Not Included in NOI | 149 | Part III.A.1.e, Table 10 - Submit a detailed description of the monitoring scheme to EPA and NMED for approval. The monitoring scheme should include: a list of pollutants; a description of monitoring sites with an explanation of why those sites were selected; and a detailed map of all proposed monitoring sites. In addition, as required in Part III.A.1.h , the monitoring program must include a contingency plan for collecting additional monitoring data within the MS4 or at additional appropriate instream locations should monitoring results indicate that MS4 discharges may be contributing to instream exceedances of WQS. The purpose of this additional monitoring effort would be to identify sources of elevated pollutant loadings so they could be addressed by the SWMP. | Part III.A.1.e, Table 10 - AMAFCA joined the Compliance Monitoring Cooperative (CMC) group, which includes 12 watershed partners. The participatory permittees have developed a wet weather cooperative monitoring program to assess the effect of stormwater discharges on the receiving water, the Middle Rio Grande. This monitoring plan was reviewed and discussed with NMED and EPA during its development. Multiple drafts were submitted to EPA and NMED by the CMC, including drafts on Sept. 16, 2015 and Dec. 21, 2015. The cooperative monitoring plan was accepted by EPA and permittees submitted the sampling plan on May 5, 2016 and sampling certification to EPA on June 28, 2016. Modifications to this sampling may be submitted to the EPA in the future, as needed for approval. | <ul style="list-style-type: none"> This Permit activity is complete. The CMC members have met all requirements for wet weather compliance monitoring. If the CMC does continue wet weather monitoring during administrative continuance of this Permit, the monitoring program will be conducted according to the EPA/NMED approved monitoring plan. | Permit Activity is Complete. |
| Not Included in NOI | 150 | Part III.A.1.e, Table 10 - Submit certification that all wet weather monitoring sites are operational and begin sampling. | Part III.A.1.e, Table 10 - AMAFCA submitted its sampling certification to EPA on June 28, 2016. | <ul style="list-style-type: none"> This Permit activity is complete. AMAFCA, with its cooperative partners, has submitted certifications to the EPA that all wet weather compliance monitoring sites are operational and the CMC has begun sampling, according to the Permit requirements. | Permit Activity is Complete. |
| Not Included in NOI | 151 | As required in Part III.A.1.e , update SWMP document and submit Annual Reports. The results of the Wet Weather Monitoring must be provided in each Annual Report. As required in Part III.D.1 -Monitoring results obtained during the reporting period running from July 1st to June 30th shall be submitted on discharge monitoring report (DMR) forms along with the Annual Report required by Part III.B . A separate DMR form is required for each monitoring period (season) specified in Part III.A.1 . If any individual analytical test result is less than the minimum quantification level (MQL) listed for that parameter, then a value of zero (0) may be used for that test result for the DMR calculations and reporting requirements. The Annual Report shall include the actual value obtained, if test result is less than the MQL. | Part II.A.1.e, Table 10 - AMAFCA's Stormwater Quality Engineer will review the program requirement for the above-mentioned program elements, during the Annual Report process. A strategy to implement any new program requirements or improve compliance with the program requirements will be developed as needed. Part III.D.1 - The wet weather compliance monitoring results obtained by the CMC from July 1st to June 30th will be submitted as required by the EPA using the netDMR online website or as otherwise approved by EPA as part of the cooperative sampling program. EPA has required that the NetDMR online system be used to submit DMR results. Since this Permit will be in administrative continuance, and all required compliance monitoring results have been obtained, AMAFCA anticipates additional coordination with EPA relative to future samples uploaded to the NetDMR system. AMAFCA will continue internal watershed stormwater quality monitoring, which typically collects samples from various locations. Collection of these samples are weather and equipment dependent. Monitoring results obtained from AMAFCA's internal stormwater quality assessment monitoring program and any continued CMC stormwater quality monitoring are available upon request. | <ul style="list-style-type: none"> As part of the Annual Report process each year, the Stormwater Quality Engineer will review the program requirements listed in Part III.A.1, for the above-mentioned SWMP elements, and assess the overall success of the program. AMAFCA will document the program effectiveness and program success. AMAFCA will incorporate documentation by reference into the Annual Report. The CMC members have met all requirements for wet weather compliance monitoring. If the CMC does continue wet weather monitoring during administrative continuance of this Permit, the wet weather compliance monitoring results obtained from July 1st to June 30th will be submitted as required by the EPA using the NetDMR online website or as otherwise approved by EPA as part of the cooperative sampling program. Since this Permit is in administrative continuance, and all required compliance monitoring results have been obtained, AMAFCA anticipates additional coordination with EPA relative to future samples uploaded to the NetDMR system. Monitoring results obtained from AMAFCA's internal stormwater quality assessment monitoring program and any continued CMC stormwater quality monitoring are available upon request. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> Refer to ID # 30 above for monitoring program updates for FY 2024. |

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|---------------------|-----|---|--|--|---|
| | 152 | Dry Weather Discharge Screening of MS4 - Part III.A.2 | | | |
| Not Included in NOI | 153 | <p>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 1 through October 31) and dry season (November 1 through June 30). Results of the assessment shall be provided in each Annual Report.</p> | <p>Part III.A.2 - The program details and measurable goals are described below, in the Pollution Prevention/Good Housekeeping Control Measure, and in the Illicit Discharge and Improper Disposal Control Measure.</p> <p>There are no perennial streams in the Albuquerque area that contribute to the Rio Grande. As such, the dry weather screening program serves a dual purpose as an illicit discharge screening analysis.</p> | <ul style="list-style-type: none"> The program details and measurable goals are described below, in the Pollution Prevention/Good Housekeeping Control Measure, and in the Illicit Discharge and Improper Disposal Control Measure. | <p>Met FY 2024 Goal.</p> <ul style="list-style-type: none"> The program details and measurable goals are described below, in the Pollution Prevention/Good Housekeeping Control Measure, and in the Illicit Discharge and Improper Disposal Control Measure. |
| Not Included in NOI | 154 | <p>Part III.A.2 -This program may be coordinated with the illicit discharge detection and elimination program required in Part I.D.5.e. The dry weather screening program shall be described in the SWMP and comply with the schedules contained in Part I.D.5.e.(iii). The permittee shall:</p> <p>a) Include sufficient screening points to adequately assess pollutant levels from all areas of the MS4.</p> <p>b) Screen for, at a minimum, BOD5, sediment or a parameter addressing sediment (e.g., TSS or turbidity), E. coli, Oil and Grease, nutrients, any pollutant that has been identified as cause of impairment of a waterbody receiving discharges from that portion of the MS4, including temperature.</p> <p>c) Specify the sampling and non-sampling techniques to be issued for initial screening and follow-up purposes.</p> <p>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.</p> | <p>Part III.A.2 - AMAFCA will continue with the existing, cooperative Dry Weather Screening program in place under MS4 Permit NMS000101. The existing Dry Weather Screening program cooperative program with COA includes screening various locations, which screen 100% of COA/AMAFCA jurisdiction and targets industrial areas. Should any discharge be present in a quantity sufficient for analysis, it will be screened for BOD5, sediment (e.g., TSS or turbidity), E. coli, oil and grease, and nutrients. Any discharge collected will be a grab sample according to the Permit monitoring methodology.</p> <p>In addition, AMAFCA has in place a well-defined and implemented routine inspection and O&M program that includes both formal and informal inspections and maintenance schedules for its watershed protection elements. Also, as part of AMAFCA's Levelogger monitoring, AMAFCA screens all major channel inlets to the NDC on AMAFCA ROW monthly. These inspections all function as dry weather inspections.</p> <p>AMAFCA will continue membership and involvement in the cooperative MS4 Technical Advisory Group (MS4 TAG), which will facilitate cooperation and coordination with other MS4s in the Middle Rio Grande related to screening for illicit discharges.</p> | <ul style="list-style-type: none"> Under MS4 Permit NMR04A000, COA has taken the lead on this program and is responsible for the dry weather screening and documentation for this existing program. Screening results collected by the COA can be provided upon request. AMAFCA will continue to perform inspections according to the applicable O&M Manuals and Plans. These inspections also function as dry weather inspections. As part of AMAFCA's Levelogger monitoring, AMAFCA will continue to inspect all channelized inlets to the NDC on AMAFCA ROW monthly. In addition, AMAFCA will incorporate dry weather inspections into projects, as applicable, to increase the documentation of facility inspections. AMAFCA will continue membership and involvement in the cooperative MS4 Technical Advisory Group (MS4 TAG) which will facilitate cooperation and coordination with other MS4s in the Middle Rio Grande related to screening for illicit discharges. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> In cooperation with the COA, the Dry Weather Screening for 40 locations throughout the Middle Rio Grande Watershed, including the AMAFCA MS4, was completed and shared with AMAFCA by COA. The screening followed the requirements in (a) through (d) for this Permit element. The screening report is included as a Program Summary for the Annual Report. In FY 2024, AMAFCA continued to implement routine inspections and maintenance that included both formal and informal inspections and maintenance schedules for its watershed protection elements. These inspections also functioned as dry weather inspections. Refer to the Pollution Prevention/Good Housekeeping Control Measure for additional information. In FY 2024, AMAFCA continued to perform inspections according to the applicable Manuals and Plans. AMAFCA discontinued dry weather/illicit discharge inspections with its Levelogger monitoring. In FY 2024, AMAFCA discontinued operation and analysis from Leveloggers located at the channelized inlets to the NDC on AMAFCA ROW. This activity was removed during FY 2024 in conjunction with modifications to AMAFCA SWMP Rev. 6. The AMAFCA SWMP Rev. 7 was adopted on July 1, 2024. AMAFCA continued to be involved in the MS4 TAG group in FY 2024. |

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| Not Included in NOI | 155 | <p>Floatables Monitoring - Part III.A.3</p> <p>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.</p> <p>Floatable material shall be monitored at least twice per year at priority locations and at minimum of two (2) stations. The amount of collected material shall be estimated in cubic yards.</p> <p>a) One (1) station should be located in the North Diversion (only applicable to COA and AMAFCA).</p> | <p>Part III.A.3 - AMAFCA will continue to monitor floatable material and the amount collected in participation with other MS4s. AMAFCA will monitor floatable material in the settling area of the NDC and at the I-25/SDC Baffle Chute Stormwater Quality Facility. Note the NDC settling area is within the AMAFCA easement on Sandia Pueblo property, but that is where AMAFCA has monitored floatables for many years. The requirements in this Permit section will be completed in conjunction with the requirements in TABLE 7: Control of Floatables Discharges - Part I.D.5.f. AMAFCA monitors and tracks collection of floatables at all AMAFCA facilities.</p> | <ul style="list-style-type: none"> • AMAFCA will continue to monitor floatable material and estimate the amount collected at least twice per year at a minimum of 2 stations. • AMAFCA will maintain its 5 drying stations, locations where floatable material, sediment and debris is hauled, separated, and properly disposed of. These stations help AMAFCA meet the requirements for this activity. | <p>Met FY 2024 Goals.</p> <ul style="list-style-type: none"> • AMAFCA continued to monitor floatables and the amount collected in the settling area of the NDC and at the I-25/SDC Baffle Chute Stormwater Quality Facility. In addition to these two locations, AMAFCA continued the task of determining the amount of floatables collected from each of the AMAFCA water quality facilities. In FY 2024, AMAFCA continued to use its crew tracking system and database created internally, specifically to meet the MS4 Permit needs. AMAFCA has estimated quantities for the volume of trash, sediment, and vegetation removed from its water quality facilities in FY 2024. Refer to the Annual Report Program Summary for additional information related to control of floatables. |

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|-------------|-----|---|---|---|--|
| | 157 | Industrial and High Risk Runoff Monitoring - Part III.A.4 | | | |
| 4 | 158 | The permittees shall monitor stormwater discharges from Type 1 and 2 industrial facilities which discharge to the MS4 provided such facilities are located in their jurisdiction. (Note: if no such facilities are in the permittee's jurisdiction, the permittee must certify that this program element does not apply). | Activity removed from AMAFCA's SWMP (Rev. 0, December 1, 2015). AMAFCA certifies with submittal of this SWMP that no such industrial activities are located in AMAFCA's jurisdiction and this program element does not apply. This was submitted to EPA in AMAFCA's NOI and accepted. | N/A | N/A |



Summary of AMAFCA's MS4 Dissolved Oxygen Program FY 2024 (July 1, 2023 – June 30, 2024)

NPDES Permit No. NMR04A000

Part I.C.1.d - Special Conditions, Compliance with Water Quality Standards and
Part I.C.3.a - Endangered Species Act (ESA) Requirements - Dissolved Oxygen Strategy

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

In FY 2024, AMAFCA continued to follow the updated quality assurance project plan (QAPP), the field sampling plan (FSP), and related Standard Operating Procedures (SOPs) for AMAFCA's stormwater quality monitoring program. The format and contents of these documents are modeled after the New Mexico Environment Department (NMED) Surface Water Quality Bureau (SWQB) water quality management programs to facilitate sharing of data between the agencies. These documents provide a framework and detailed methods for the collection and analysis of environmental data as well as provide guidance for generating data that is of the precision, accuracy, and completeness necessary for AMAFCA's program.

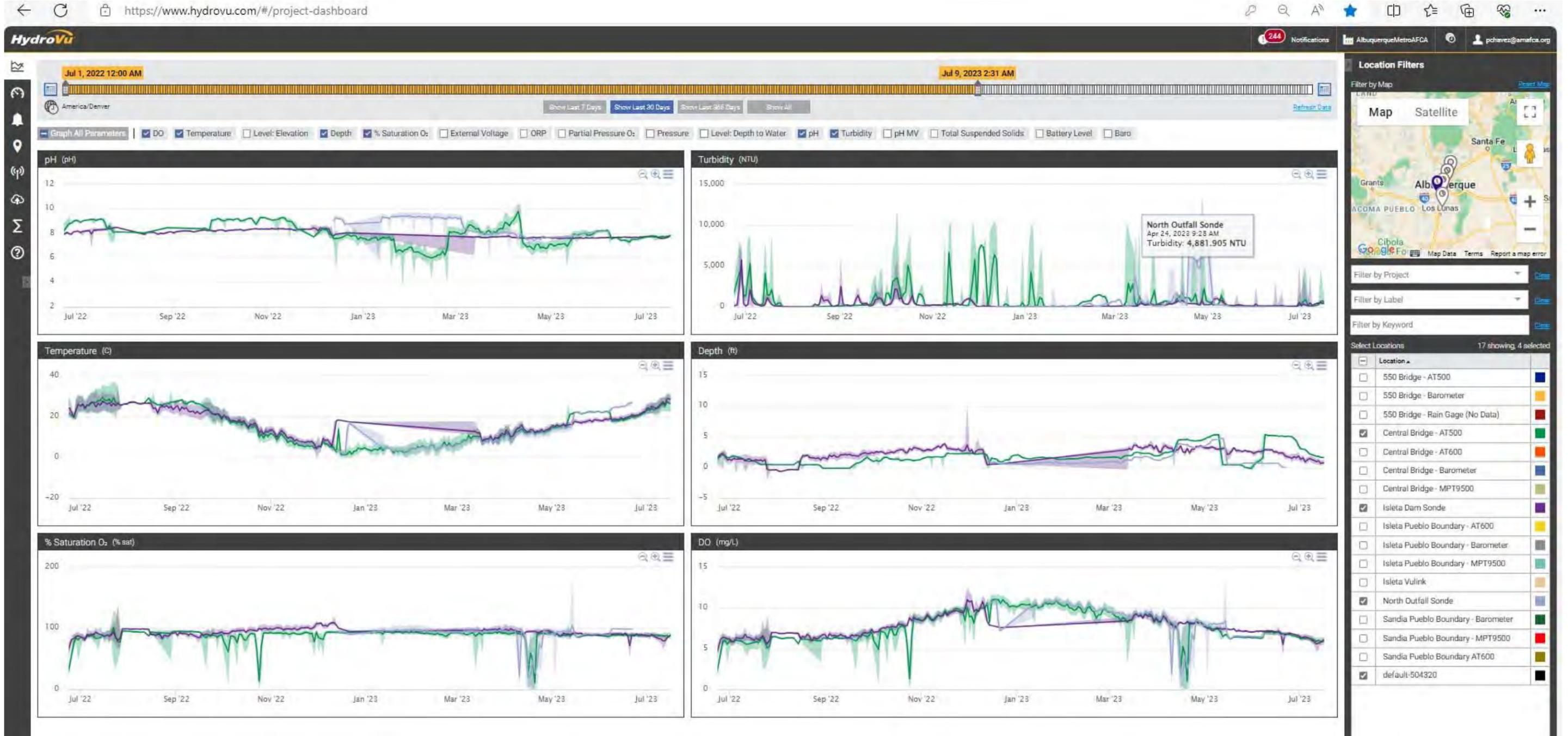
In accordance with AMAFCA's Stormwater Management Program (SWMP), AMAFCA has and will continue to assess the potential effect of stormwater discharges into the Rio Grande by collecting and evaluating DO data.

AMAFCA MS4 Sonde Program Summary

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



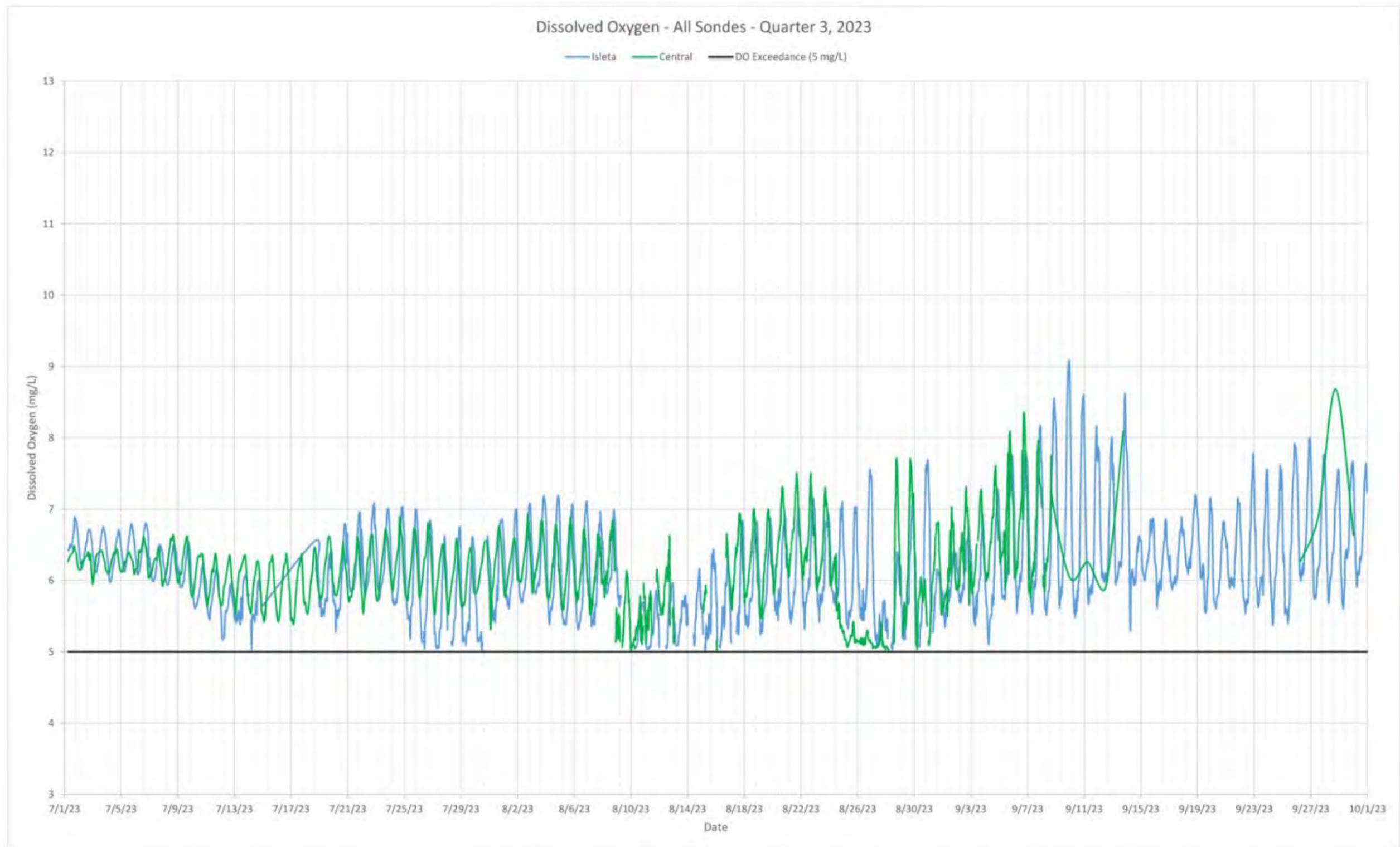
Photos of AMAFCA Sondes



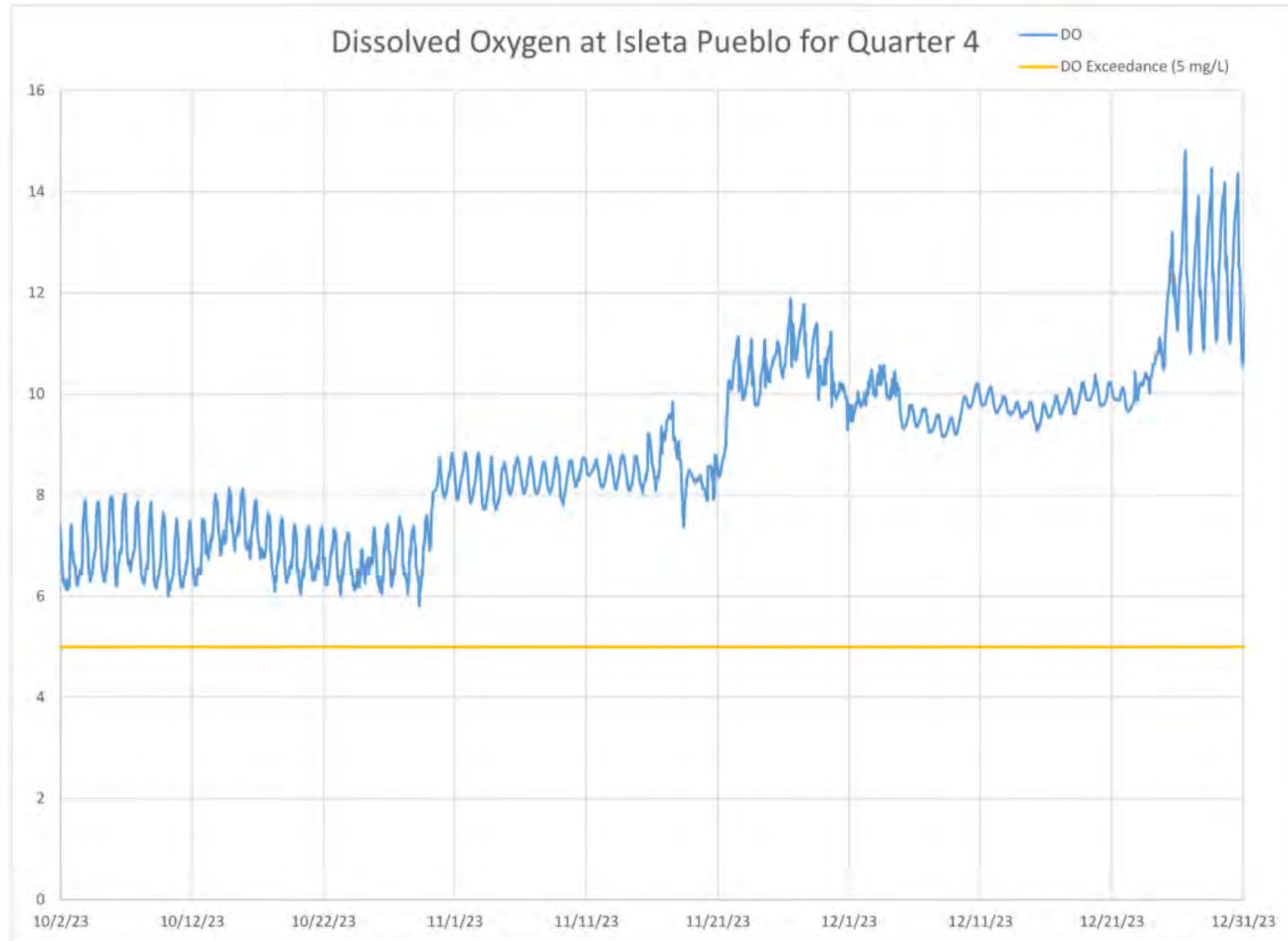
*Image of Online HydroVu Portal View.
HydroVu Provides AMAFCA with Access to Real-Time Sonde Data in the Rio Grande*

From the AMAFCA FY 2024 In-Stream Water Quality Monitoring Memos, which report on the AMAFCA sonde data, the DO fell slightly below 5 mg/L related to storm events within the watershed for the following locations:

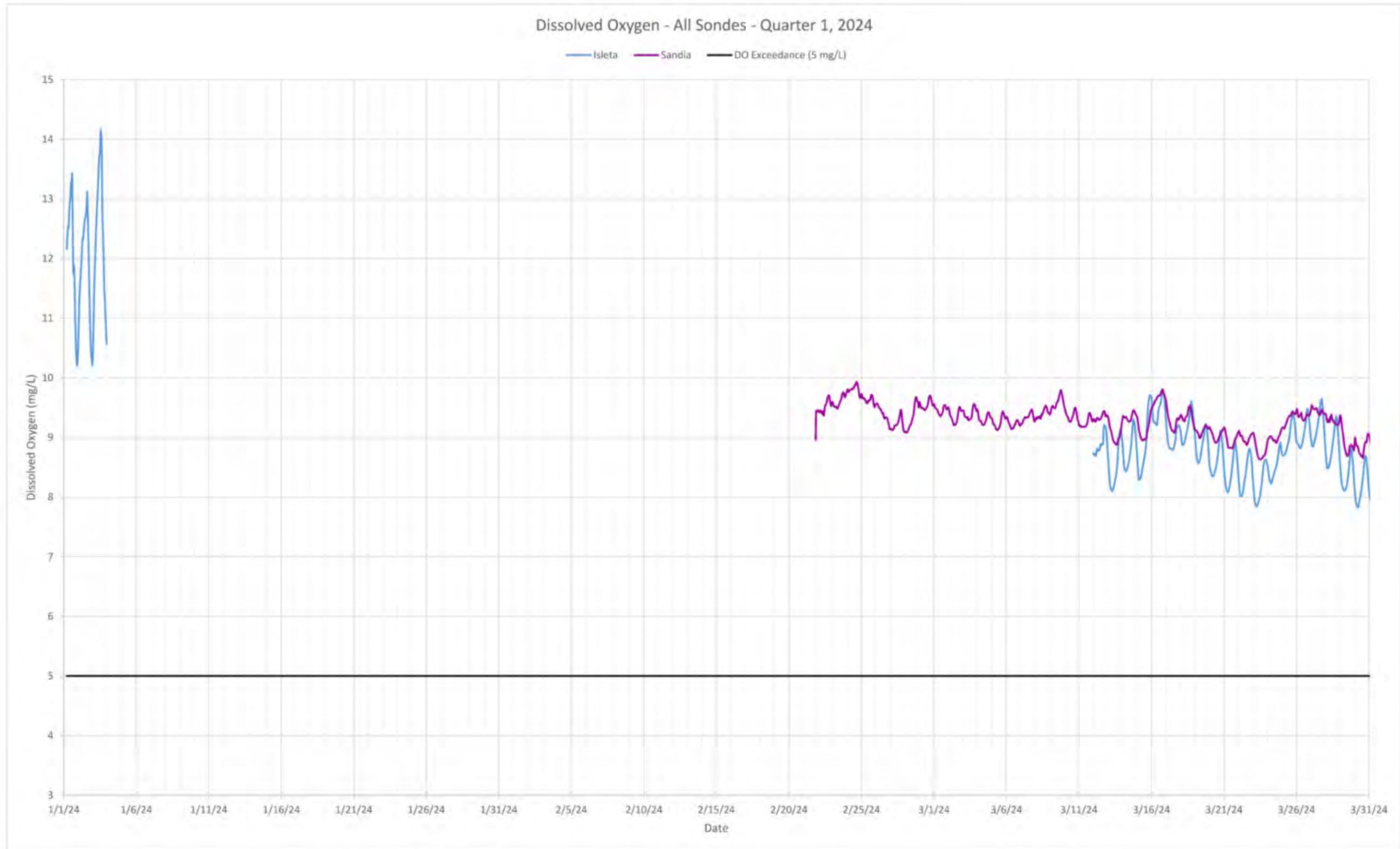
- Sandia Pueblo Boundary – One (1) instance in FY 2024 with DO levels below 5 mg/L (June 30, 2024). This instance represents approximately 6 hours (< 0.1% of the year).
- Central Ave. Bridge – No instances in FY 2024 with DO levels below 5 mg/L at this location. This sonde was offline for maintenance issues from October 2023 – July 2024.
- Isleta Dam – One (1) instance in FY 2024 with DO levels below 5 mg/L (June 30, 2024). This instance represents approximately 6 hours (< 0.1% of the year). This sonde was offline for maintenance issues from January 2024 – March 12, 2024.



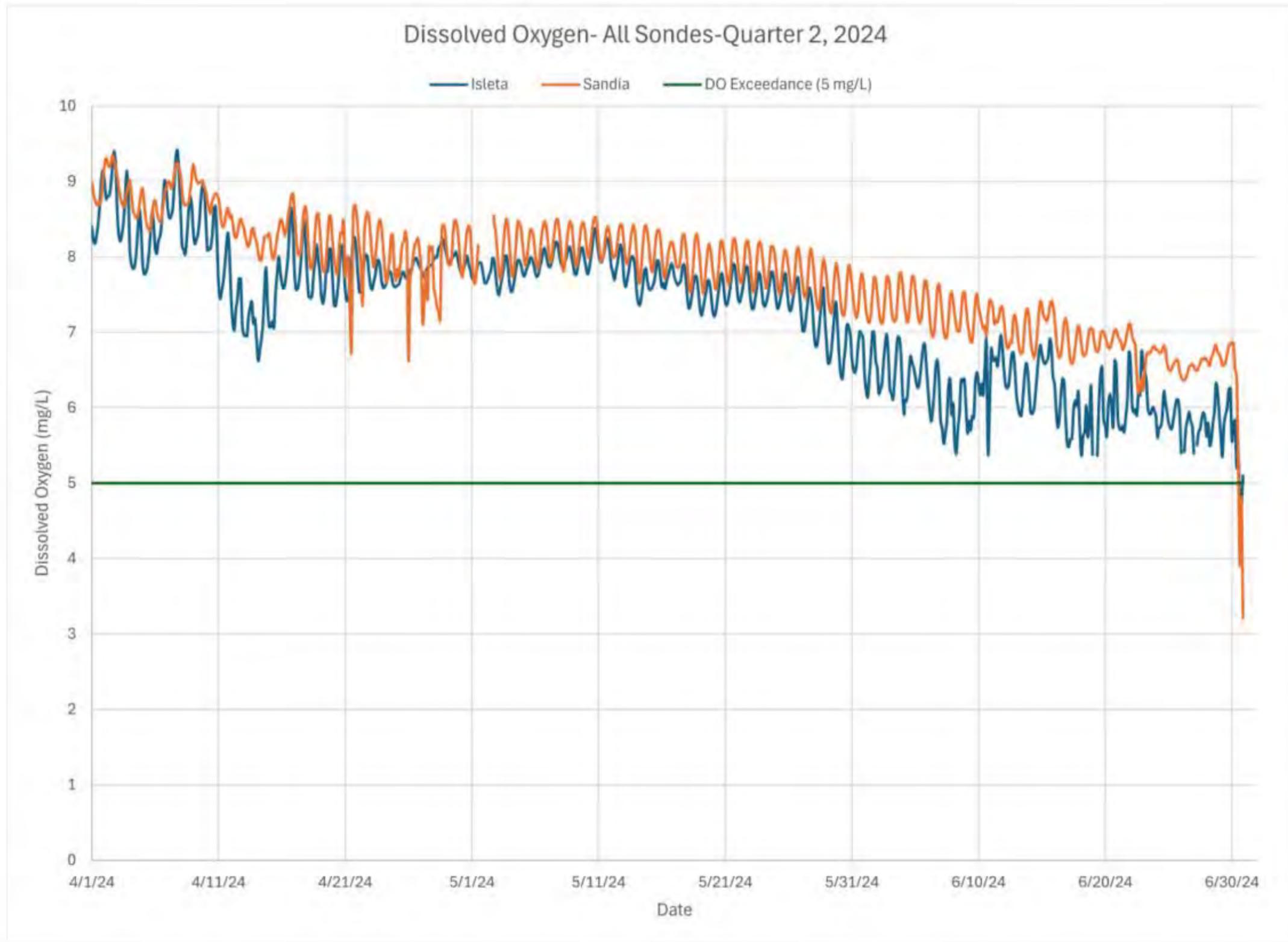
Plot of DO Data Collected From Sondes Deployed During FY 2024 (July – September 2023)



Plot of DO Data Collected From Sonde at Isleta Pueblo Deployed During FY 2024 (October – December 2023)



Plot of DO Data Collected From Sondes Deployed During FY 2024 (January – March 2024)



Plot of DO Data Collected From Sondes Deployed During FY 2024 (April – June 2024)

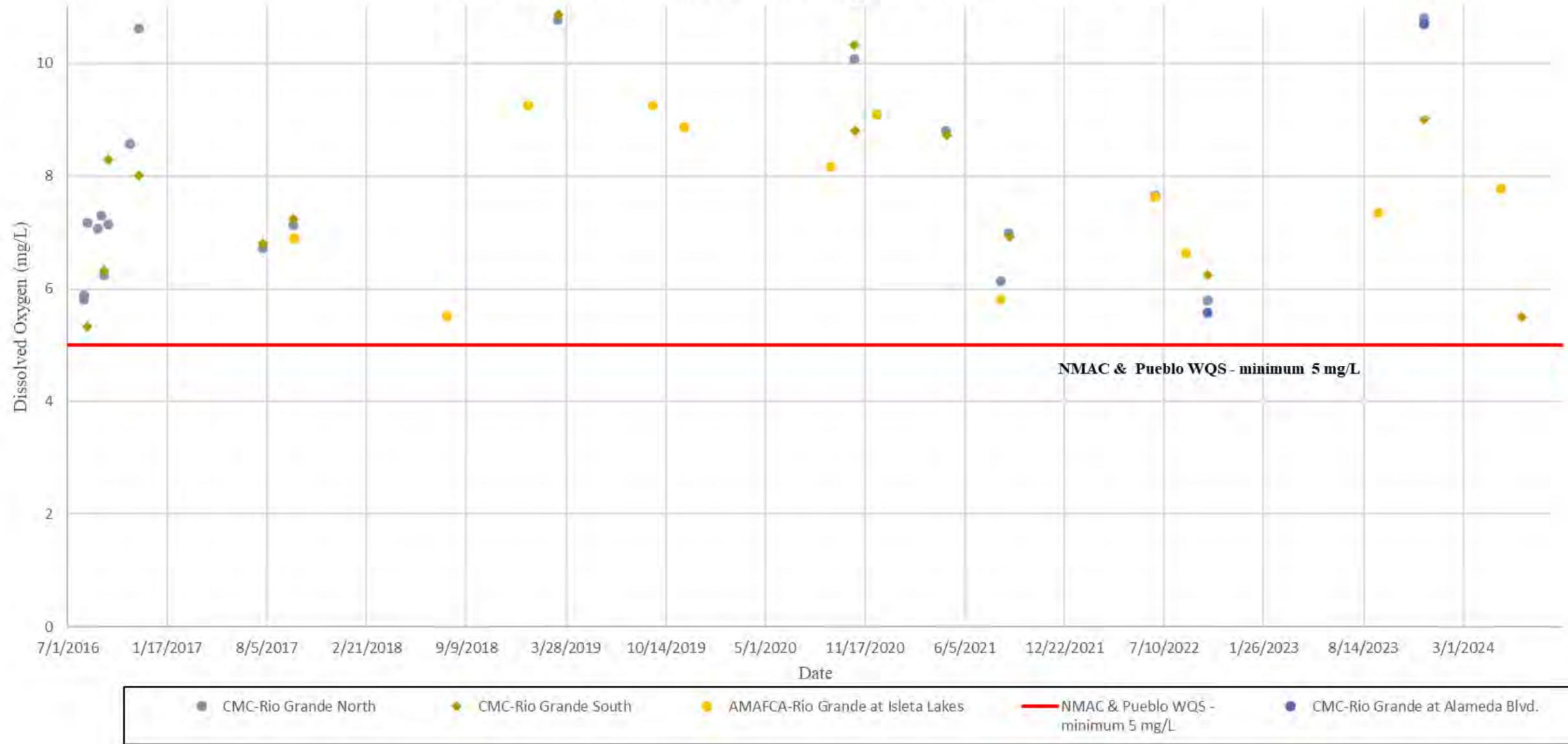
CMC and AMAFCA Water Quality Monitoring Program Summary for DO

In addition to the Sonde Program, both AMAFCA and the Middle Rio Grande Compliance Monitoring Cooperative (CMC) collect grab samples within the Rio Grande during storm events. Field data is measured, including DO, for these samples. For MS4 Permit compliance, the Middle Rio Grande CMC has two monitoring points where DO field measurements are collected, north and south of the urbanized portion of the river. The AMAFCA Monitoring Program collects samples in the Rio Grande at the downstream (south) end of the watershed (Rio Grande at Isleta Lakes). The graph on page 10 shows the DO data from all AMAFCA and CMC samples collected from July 2016 – June 2024. None of the correctly collected field DO data from these programs from 2016 to 2024 have recorded DO in the Rio Grande during stormwater discharge events below the water quality standard of 5 mg/L for the Rio Grande (NMAC 20.6.4).



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

Dissolved Oxygen in Rio Grande CMC and AMAFCA Monitoring - FY 2017 to FY 2024



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

AMAFCA Annual Incidental Take Report Summary

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

The data for FY 2024 is still being analyzed and will be included in the Final Summary of AMAFCA's MS4 DO Program.

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

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

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



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

April 13, 2023

Regulatory Division

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

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

Dear Mr. Lovato:

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

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

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

Sincerely,

Daniel Delgado
Regulatory Project Manager

Enclosure



REPLY TO
ATTENTION OF

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

November 2, 2015

Regulatory Division

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

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

Dear Mr. Lovato,

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

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

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

2. The permittee shall not conduct any activity associated with the authorized project between April 15 and August 15 of any given year.
3. The permittee shall implement erosion control measures for all temporarily disturbed areas, including access and staging areas, to prevent upland erosion into waters of the U.S. prior to commencement of ground-disturbing activities and these measures will be properly maintained by the permittee until temporarily disturbed areas are stabilized. Erosion control measures shall be installed and maintained by the permittee in accordance with the approved Stormwater Pollution Prevention Plan.
4. All temporarily impacted areas located adjacent to waters of the U.S. shall be restored by the permittee to pre-construction conditions, including original contours, vegetation composition and density (excluding invasive species), and drainage patterns. The permittee shall submit photos to the Corps Albuquerque District Office that document the success of restoration efforts within 90 days after restoration is complete.
5. The permittee shall conduct invasive plant species management within all temporarily disturbed areas so that invasive plant species comprise no more than 10 % of total plant species cover. The permittee shall submit photos to the Corps Albuquerque District Office that document the success of invasive plant species management by December 31, 2016.
6. Within 60 days after completion of construction of the authorized project, the permittee shall submit as-built drawings and a description of the work conducted to the Corps Albuquerque District Office. The drawings shall include the following:
 - a. The Department of the Army Action Number.
 - b. A plan view drawing of the location of the authorized work footprint (as shown in permit drawings) with an overlay of the work as constructed in the same scale. The drawing should show all "earth disturbance," aquatic resource impacts, structures, and the boundaries of any on-site and/or off-site avoidance areas. The drawings shall contain, at a minimum, 5-foot topographic contours of the entire site.
 - c. Ground photographs of the completed work. The camera positions and view-angles of the ground photographs shall be identified on a map, aerial photograph, or project drawing.
 - d. A description of all deviations between the work as authorized by the permit and the work as constructed. Clearly indicate on the as-built drawings the location of any deviations.

7. The permittee shall ensure that the revegetation area achieves the following performance standards by the timeframe described below and documentation of actual performance shall be included in the annual monitoring reports as described in Special Condition 10:
 - a. Description of plant diversity based on densities of species planted in the Bosque Seed Mix equal to at least 80% of baseline by year 3 and measured using a published plant diversity index methodology.
 - b. Target percent cover of 80% native species planted in the Bosque Seed Mix in the revegetation area are met for herbaceous strata by year 3 and measured by 10 randomly selected metered transects.
8. This Corps permit does not authorize you, the permittee, to take an endangered species, in particular the Rio Grande Silvery Minnow (*Hybognathus amarus*). In order to legally take a listed species, you must have separate authorization under the Endangered Species Act (ESA) (e.g., a permit under section 10 of the ESA, or a biological opinion (BO) under section 7 of the ESA, with “incidental take” provisions with which you must comply). The enclosed U.S. Fish and Wildlife (USFWS) BO for consultation numbers 02ENNM00-2012-F-0005 and 02ENNM00-2015-F-0363 dated October 14, 2015, contains mandatory terms and conditions to implement the reasonable and prudent measures that are associated with “incidental take” that is also specified in the BO. Your authorization under this Corps permit is conditional upon your compliance with all of the mandatory terms and conditions associated with incidental take of the enclosed BO, which terms and conditions are incorporated by reference in this permit. Failure to comply with the terms and conditions associated with incidental take of the BO, where a take of the listed species occurs, would constitute an unauthorized take, and it would also constitute non-compliance with your Corps permit. The USFWS is the appropriate authority to determine compliance with the terms and conditions of its BO, and with the ESA.
9. Please note that the USFWS BO includes a section of conservation recommendations, included by reference to previous BOs; that, if implemented, would further minimize the potential impacts of the project on federally listed threatened and endangered species. While these recommendations are not conditions of this authorization, we encourage you to include each of these recommendations in this and future projects that may affect the species in question.
10. The permittee shall submit annual site monitoring reports to the Corps Albuquerque District Office by December 31st of each year, beginning in 2015, for a minimum of 3 years or until the Corps has determined that the revegetation performance standards in Special Conditions 5 and 7 have been met. The monitoring reports shall be prepared in accordance with Corps Regulatory Guidance Letter 08-03 (Minimum Monitoring

Requirements for Compensatory Mitigation Projects Involving the Restoration, Establishment, and/or Enhancement of Aquatic Resources) and current Corps Albuquerque District Mitigation Monitoring Guidelines available at <http://www.spa.usace.army.mil/Missions/RegulatoryProgramandPermits/Mitigation.asp>

- x. The monitoring reports shall at a minimum include the following:
 - a. Comparison of pre-construction site conditions to an as-built survey as submitted in accordance with Special Condition 6.
 - b. Photographs (minimum 5) from fixed photographic monitoring points with a location reference map indicating camera orientation.
 - c. All data collected to document whether the revegetation site is achieving performance standards described in Special Conditions 5 and 7, and a narrative discussion of progress made toward meeting performance standards.
 - d. Fish and wildlife observations at the mitigation site.
 - e. Summary statement regarding the perceived success of the authorized project and any potential problem areas. Suggestions and a timetable for corrections should be included if it is anticipated that project goals may not be met.
 - f. Results of water quality monitoring conducted in compliance with the National Pollutant Discharge Elimination System Permit NMR4A000 BO (USFWS 2014).
 - g. Date(s) of field inspection(s).
- 11. The permittee shall conduct nesting surveys, using a qualified biologist, for southwestern willow flycatchers (*Empidonax trailii*), western yellow-billed cuckoos (*Coccyzus americanus*), and migratory birds protected under the Migratory Bird Treaty Act prior to commencing construction. If active nests for any of these species are found as a result of the nesting survey, the permittee shall notify the Corps Albuquerque District Office and USFWS New Mexico Ecological Services Field Office in writing and shall not begin any activities associated with this project until both agencies have provided approval, in writing, to proceed.
- 12. In order to prevent unauthorized impacts to waters of the U.S., prior to the commencement of construction, the permittee shall install a barrier (i.e., flagging, temporary fencing, jersey barriers, etc) around areas to be avoided and protected, such as wetlands and riparian areas, in accordance with the proposed project plans submitted with the pre-construction notification dated April 20, 2015, and the Biological Assessment dated June 2015. The permittee shall submit photo documentation of all barrier installation to the Corps Albuquerque District Office within 30 days of such installation.

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

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

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

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

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

Sincerely,

Kelly E. Allen
Regulatory Project Manager

Enclosure(s)

Copy Furnished:

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



**Summary of AMAFCA's MS4
Temperature Program
FY 2024 (July 1, 2023 – June 30, 2024)**

NPDES Permit No. NMR04A000

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

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

Since 2012, the MS4 permittees have continued to collect and submit temperature data, with each Annual Report, showing that the Rio Grande (receiving water for the Middle Rio Grande watershed) is not adversely affected by the temperature of stormwater from the Albuquerque MS4. AMAFCA has collected data from 2012 to 2024 using tidbit probes and sondes. In accordance with AMAFCA's Stormwater Management Program (SWMP), AMAFCA has and will continue to assess the potential effect of stormwater discharges into the Rio Grande by collecting and evaluating additional temperature data.

In FY 2024, AMAFCA continued to follow the updated quality assurance project plan (QAPP), the field sampling plan (FSP), and related Standard Operating Procedures (SOPs) for AMAFCA's stormwater quality monitoring program. The format and contents of these documents are modeled after the New Mexico Environment Department (NMED) Surface Water Quality Bureau (SWQB) water quality management programs to facilitate sharing of data between the agencies. These documents provide a framework and detailed methods for the collection and analysis of environmental data as well as provide guidance for generating data that is of the precision, accuracy, and completeness necessary for AMAFCA's program.

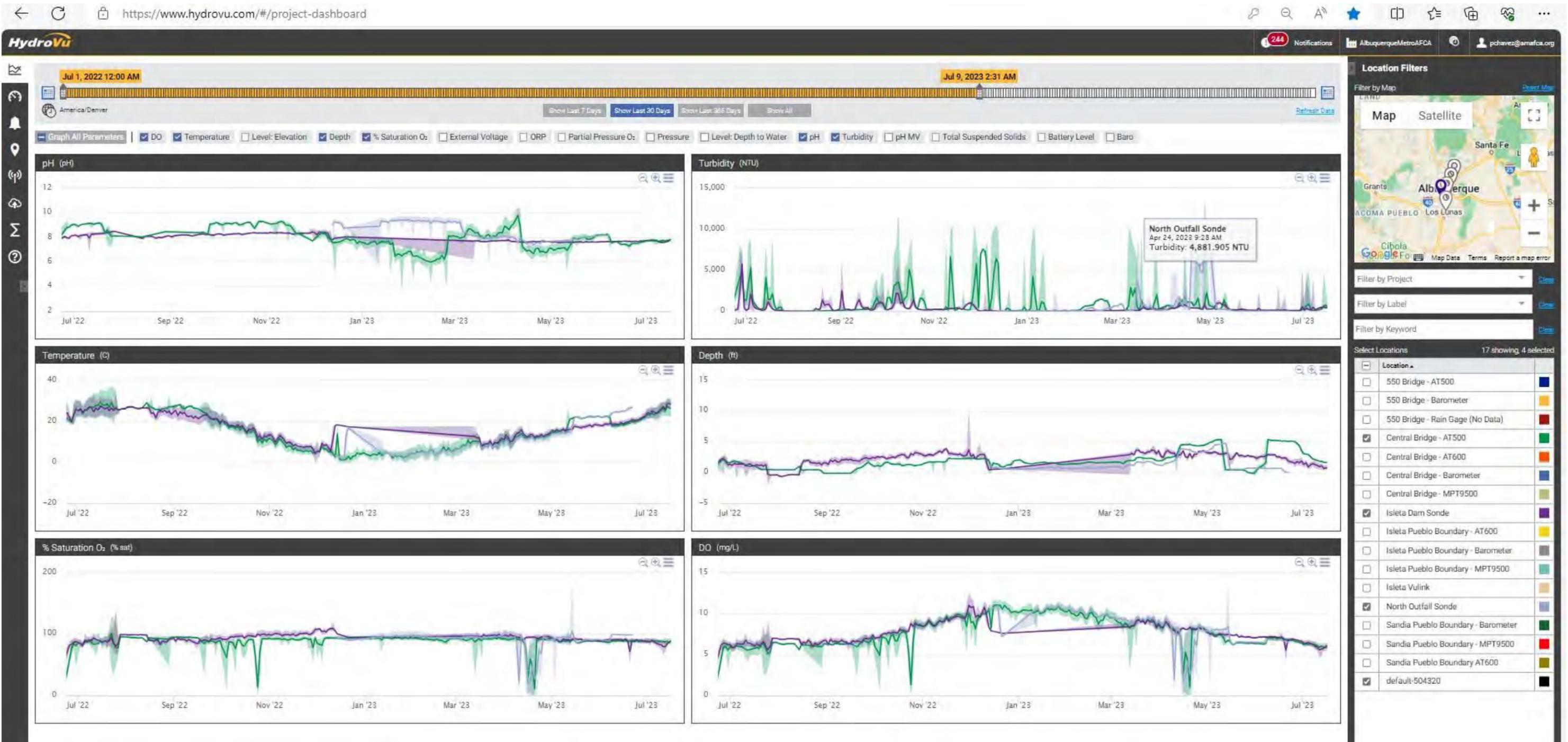
AMAFCA MS4 Sonde Program Summary

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

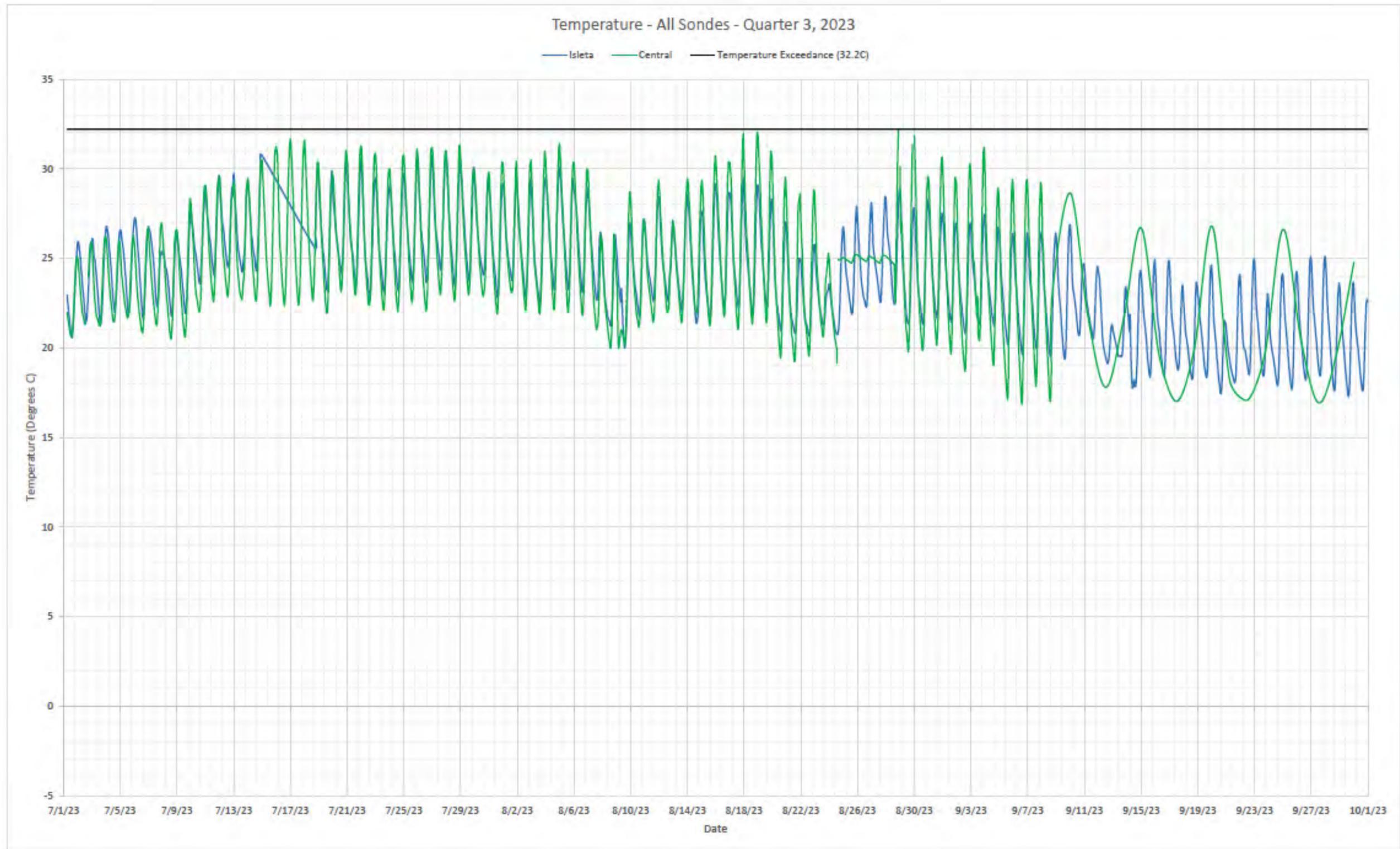
From the AMAFCA FY 2024 In-Stream Water Quality Monitoring Memos, which report on the AMAFCA sonde data, the temperature was below the water quality standard 32.2°C, which is the maximum temperature water quality standard for Marginal Warmwater Aquatic for the Rio Grande (NMAC 20.6.4) for all recorded sonde data.



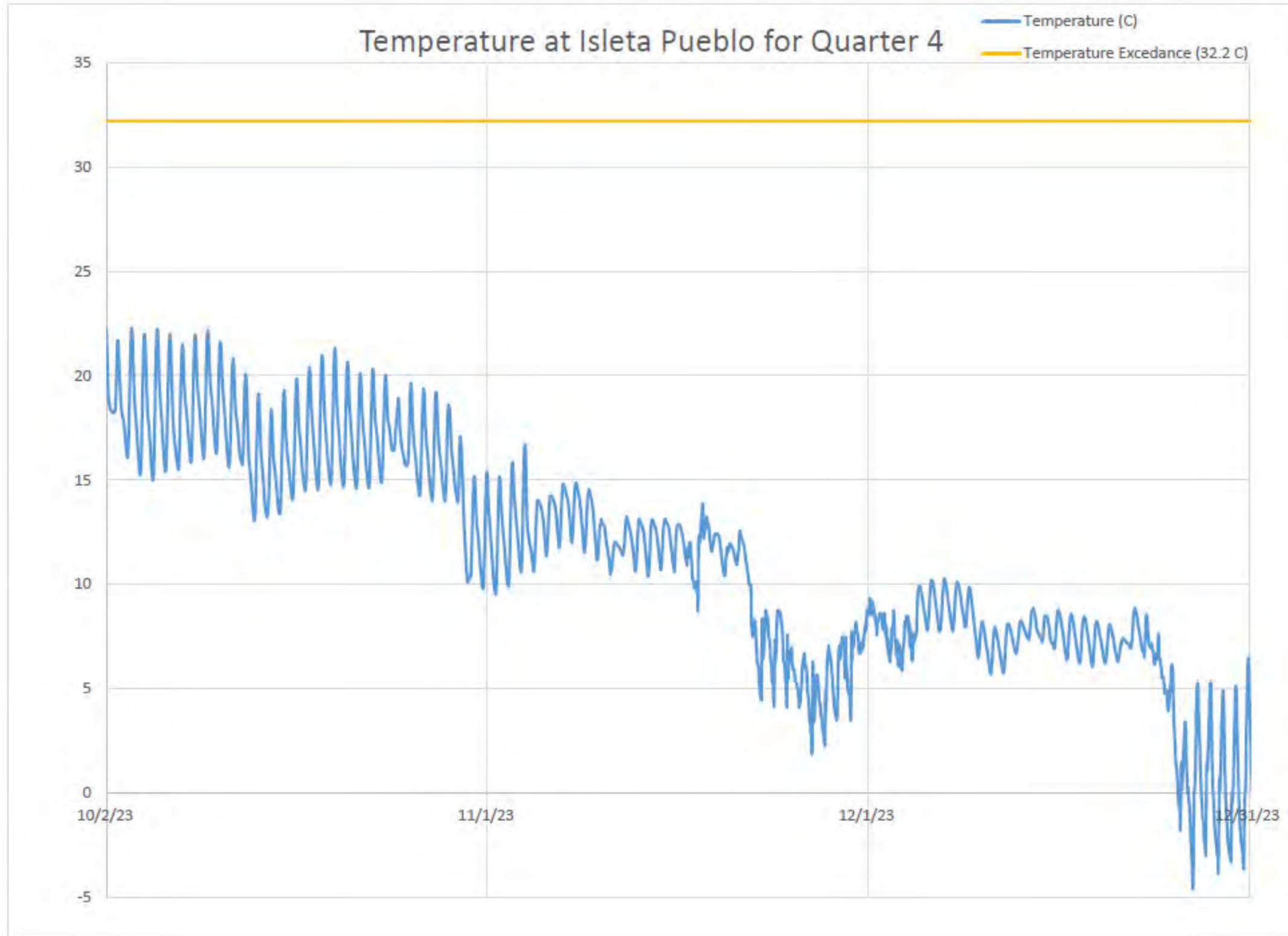
Photos of AMAFCA Sondes



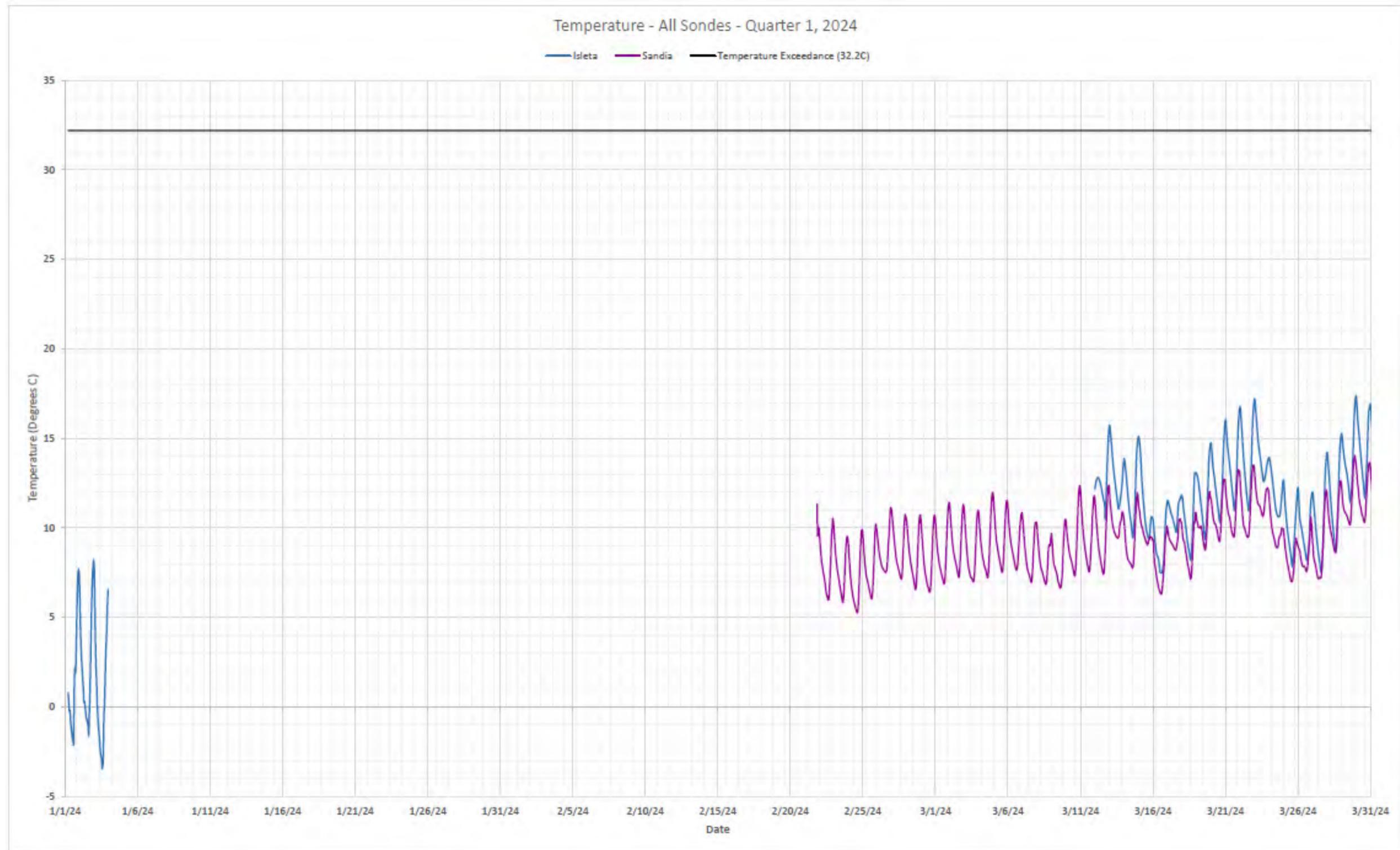
*Image of Online HydroVu Portal View.
HydroVu Provides AMAFCA with Access to Real-Time Sonde Data in the Rio Grande*



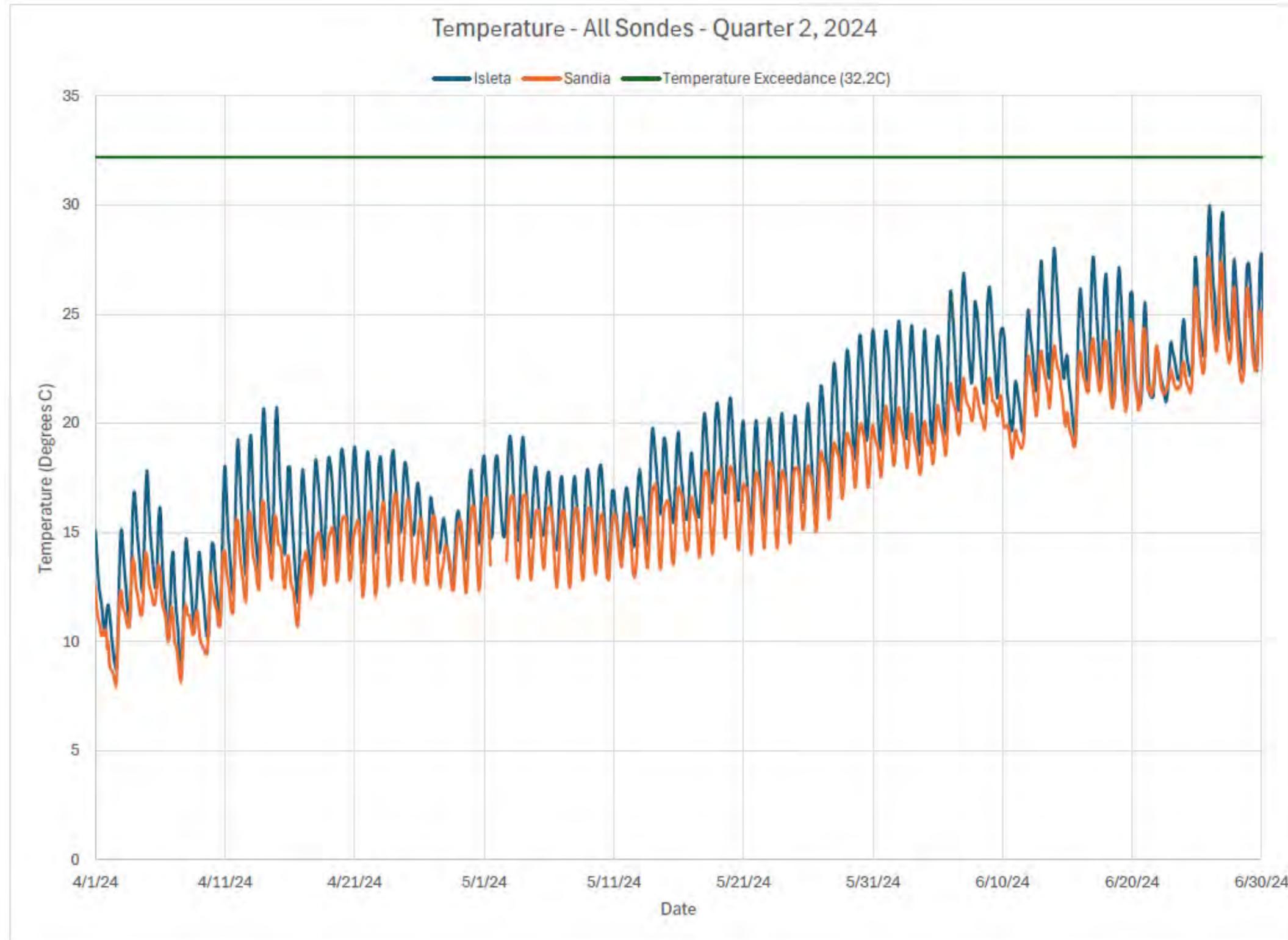
Plot of Temperature Data Collected From Sondes Deployed During FY 2024 (July – September 2023)



Plot of Temperature Data Collected From Isleta Pueblo Sonde Deployed During FY 2024 (October – December 2023)



Plot of Temperature Data Collected From Sondes Deployed During FY 2024 (January – March 2024)



Plot of Temperature Data Collected From Sondes Deployed During FY 2024 (April – June 2024)

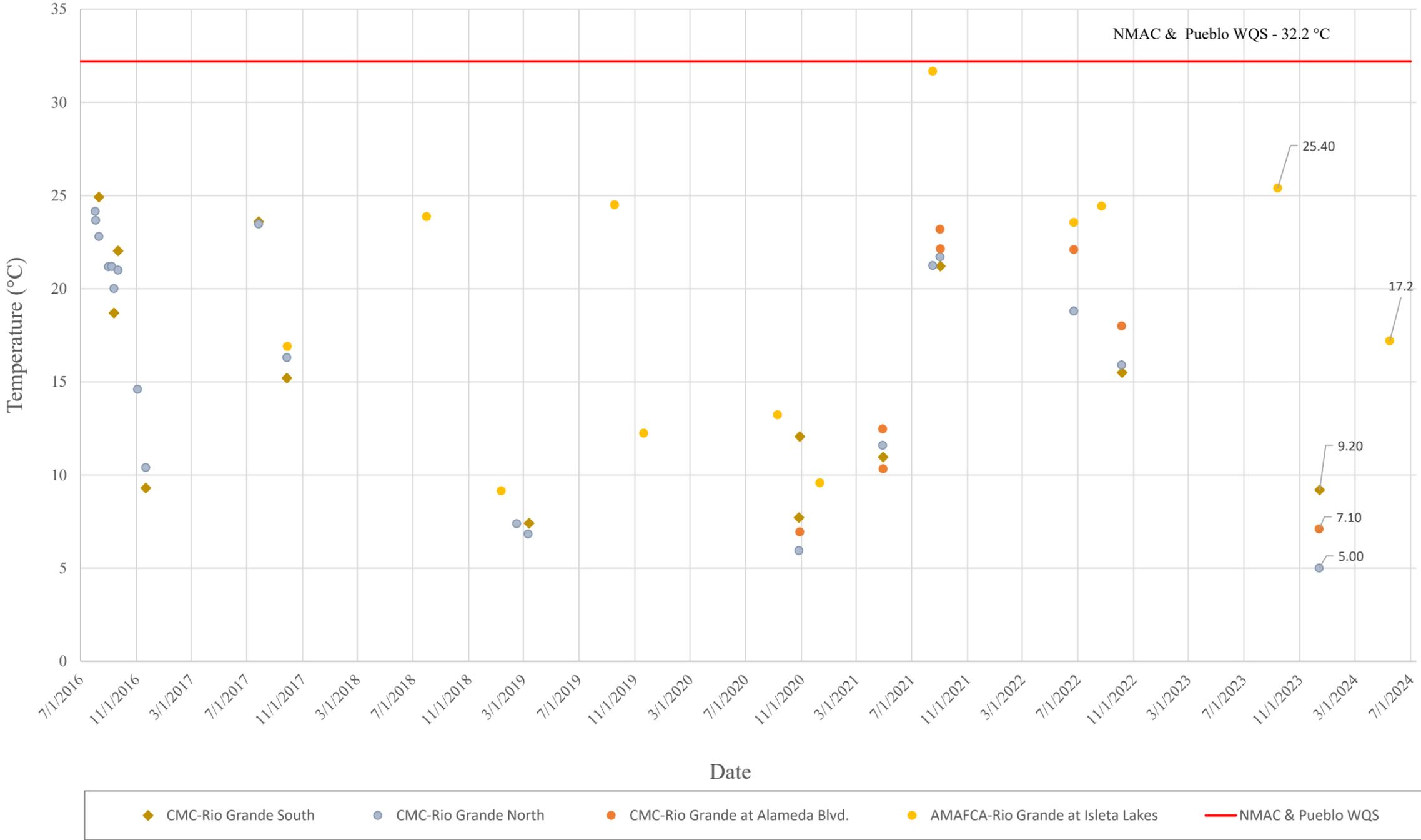
CMC and AMAFCA Water Quality Monitoring Program Summary

In addition to the Sonde Program, both AMAFCA and the Middle Rio Grande Compliance Monitoring Cooperative (CMC) collect grab samples within the Rio Grande during storm events. Field data is measured, including temperature, for these samples. For MS4 Permit compliance, the Middle Rio Grande CMC has three (3) monitoring points, north and south of the urbanized portion of the river, as well as at the Alameda Bridge. The AMAFCA Monitoring Program collects samples in the Rio Grande at the downstream (south) end of the watershed (Rio Grande at Isleta Lakes). The graph on page 10 shows the temperature data from all AMAFCA and CMC samples collected from July 2016 through FY 2024. None of the field temperature data collected from these programs have recorded temperature in the Rio Grande during stormwater discharge events above the water quality standard of 32.2°C.

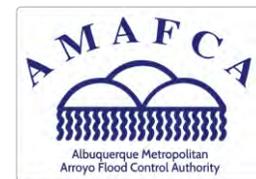


Collecting a CMC sample from the Rio Grande at Angostura Diversion at the upstream (north) end of the Middle Rio Grande Watershed

Temperature in Rio Grande CMC and AMAFCA Monitoring - FY 2017 - FY 2024



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



**Summary of AMAFCA's MS4
Discharges to Water Quality Impaired Water Bodies
with an Approved TMDL Program
FY 2024 (July 1, 2023 – June 30, 2024)**

NPDES Permit No. NMR04A000

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

Total Maximum Daily Load (TMDL) – E. coli

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

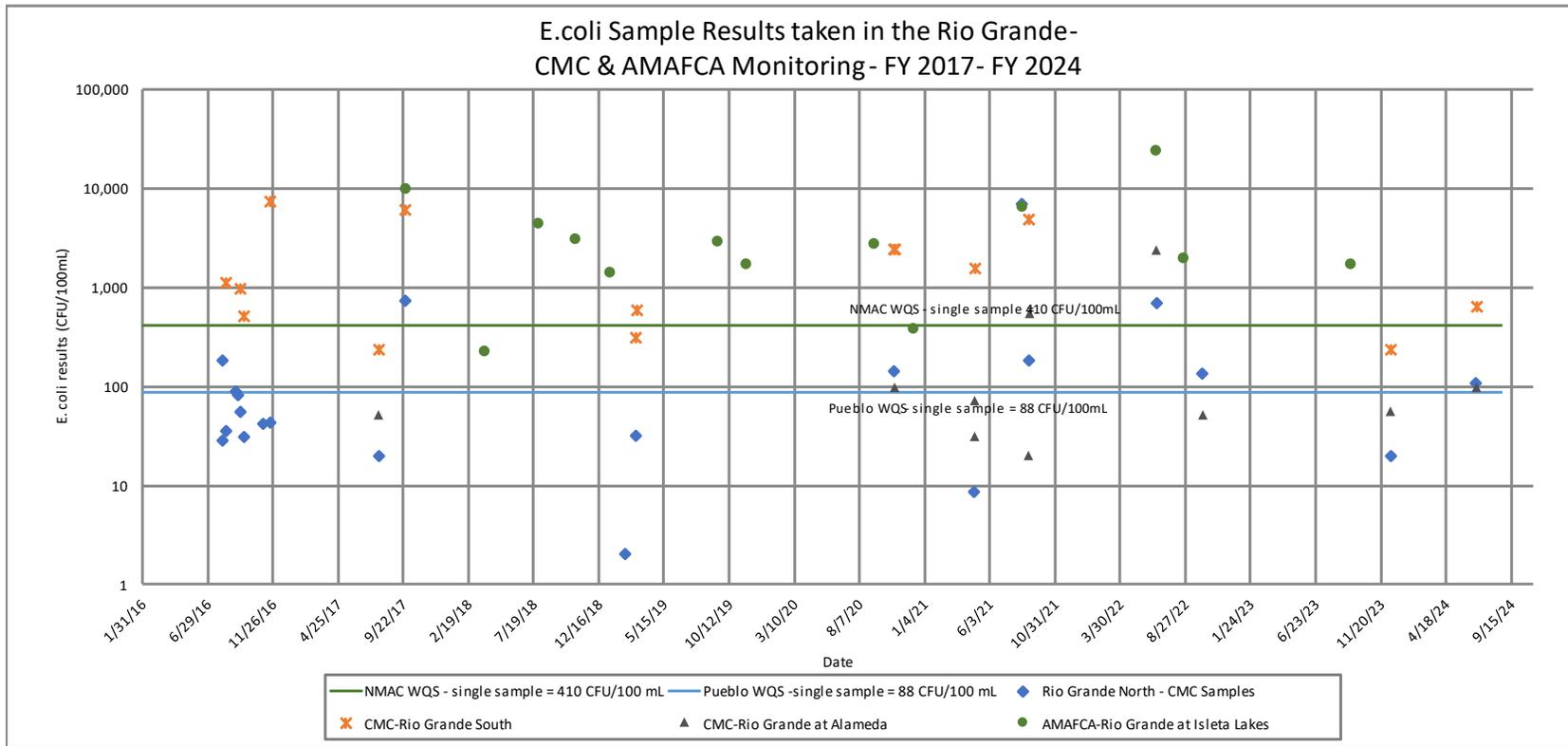
The only TMDL in the Middle Rio Grande (MRG) is Escherichia coliform (E. coli). AMAFCA's required compliance for wet weather stormwater discharges with the Environmental Protection Agency's (EPA) TMDL for E. coli is documented in the Clean Water Act (CWA) 303(d)/305(b) Integrated Report (IR). The IR is updated every 3 years by a review process that is conducted by the New Mexico Environment Department (NMED). For AMAFCA and other Municipal Separate Storm Sewer System (MS4) permittees in the watershed, compliance sampling is done in the Rio Grande at upstream and downstream locations of the urbanized area to determine the collective E. coli load added to the river in response to a given storm's runoff to the water body. This monitoring is done through the Compliance Monitoring Cooperative (CMC), and the FY 2024 Dry Season, Wet Weather Stormwater Monitoring memo is included as an attachment to this Program Summary.

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

CMC and AMAFCA Water Quality Monitoring Program for E. coli

Both AMAFCA and the MRG CMC collect grab samples within the Rio Grande during storm events. E. coli is tested for these in-stream samples. For MS4 Permit compliance, the MRG CMC has three monitoring points, north and south of the urbanized portion of the river as well at the Alameda Bridge. The AMAFCA monitoring program collects samples in the Rio Grande at the downstream (south) end of the watershed (Rio Grande at Isleta Lakes). The graph on page 3 shows the E. coli data from all AMAFCA and CMC samples collected from FY 2017 – FY 2024. Note, there are numerous E. coli results that exceed the applicable surface water quality standards.

In FY 2024, the CMC collected samples within the Rio Grande on December 13-14, 2023 and June 26-27, 2024, related to the dry season storm events. Details on these samplings and the results are summarized in the CMC memo included as an attachment to this Program Summary. The calculated E. coli loading for the December 13-14, 2023 storm event for both the northern segment (Alameda to Angostura) and the southern segment (Isleta to Alameda) of the Rio Grande were above the Waste Load Allocation (WLA) for the CMC MS4s. The calculated E. coli loading for the June 26-27, 2024 storm event for the southern segment (Isleta to Alameda) of the Rio Grande was above the WLA for the CMC MS4s.

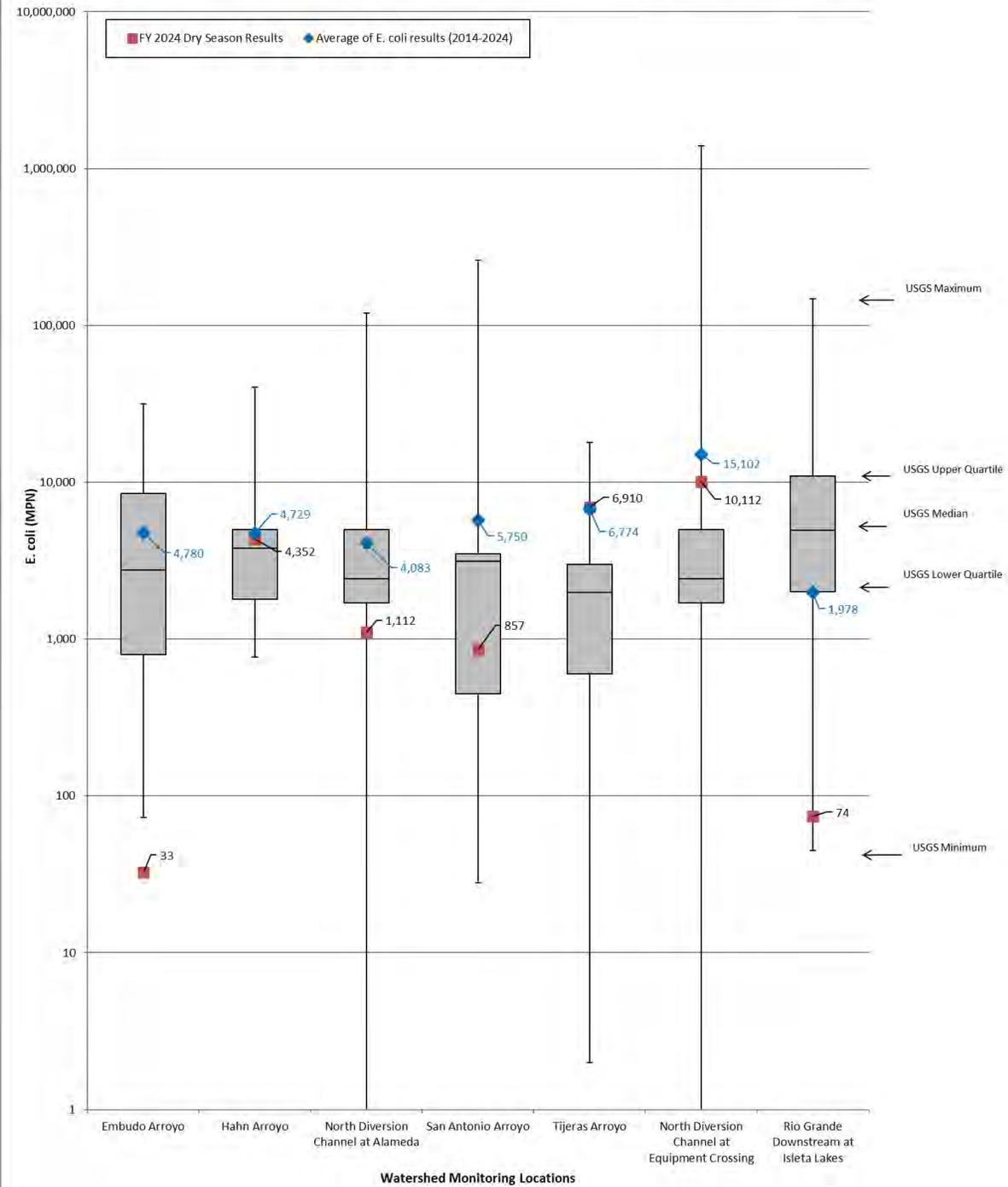


Plot of E. coli Results From Grab Samples in the Rio Grande Through the AMAFCA and CMC Monitoring Programs

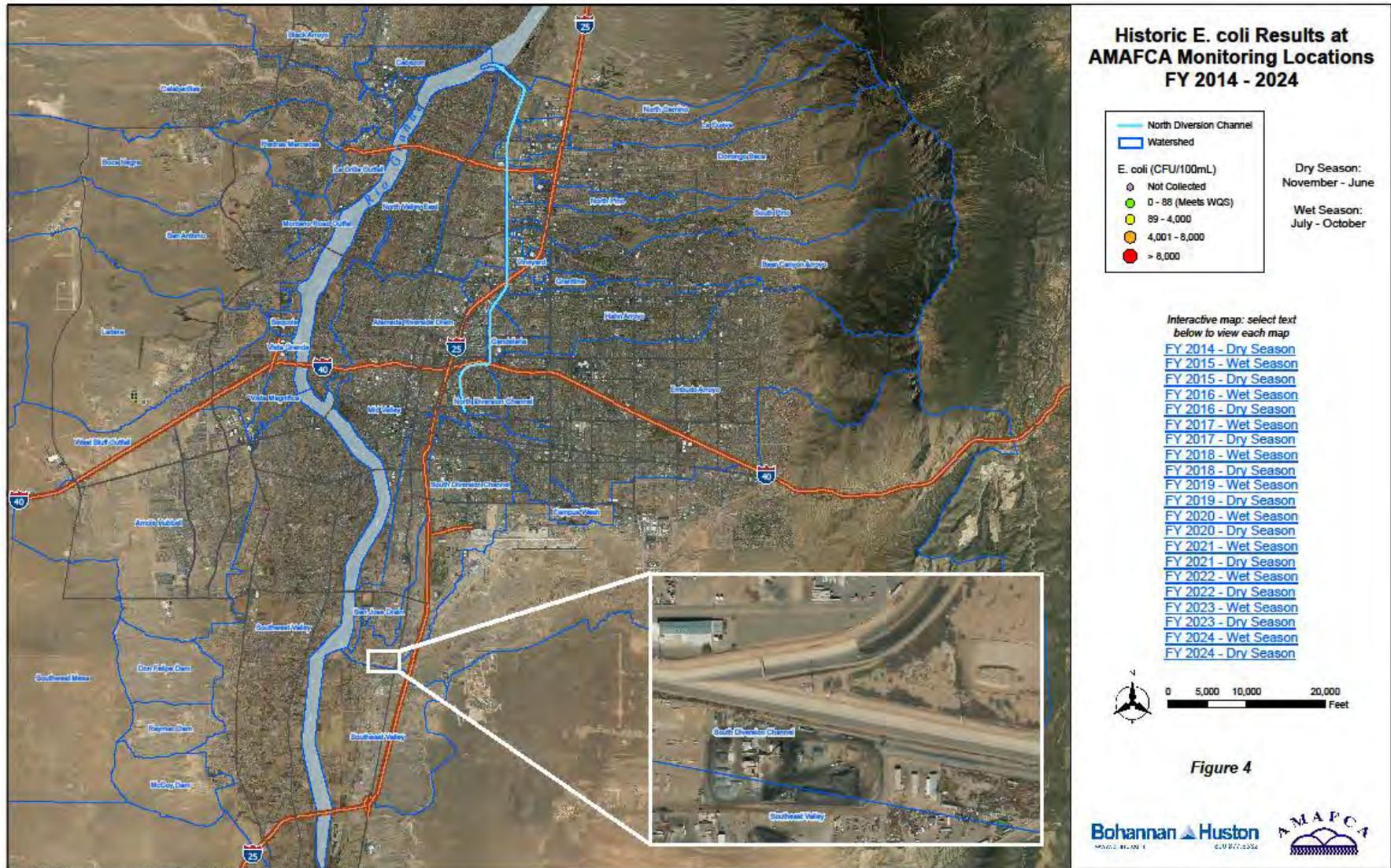
AMAFCA Water Quality Monitoring Program for E. coli

The AMAFCA monitoring program also collects and analyzes stormwater runoff from monitoring sites within the watershed, before it reaches the Rio Grande. The results from 2014 – 2024 compared to USGS historical results (maximum, minimum, median, and upper and lower quartile) are shown on page 4. A map showing E. coli data results throughout the North Diversion Watershed from AMAFCA’s Water Quality Monitoring Program from FY 2015 through FY 2024 is provided on page 5.

AMAFCA FY 2024 E. coli Results Compared to AMAFCA Sampling Average and USGS Historical Data and Average



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



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Author: rourkhard

September 2024

*Interactive PDF showing E. coli Data Within the North Diversion Watershed
From AMAFCA's Water Quality Monitoring Program From FY 2014 Through FY 2024*

In FY 2024, AMAFCA continued to follow the recently updated quality assurance project plan (QAPP), the field sampling plan (FSP), and related Standard Operating Procedures (SOPs) for AMAFCA’s stormwater quality monitoring program. The format and contents of these documents are modeled after the NMED Surface Water Quality Bureau (SWQB) water quality management programs to facilitate sharing of data between the agencies. These documents provide a framework and detailed methods for the collection and analysis of environmental data as well as provide guidance for generating data that is of the precision, accuracy, and completeness necessary for AMAFCA’s program.



Photos of AMAFCA Autosamplers Used for the AMAFCA Monitoring Program

Bosque Ecosystem Monitoring Program (BEMP)

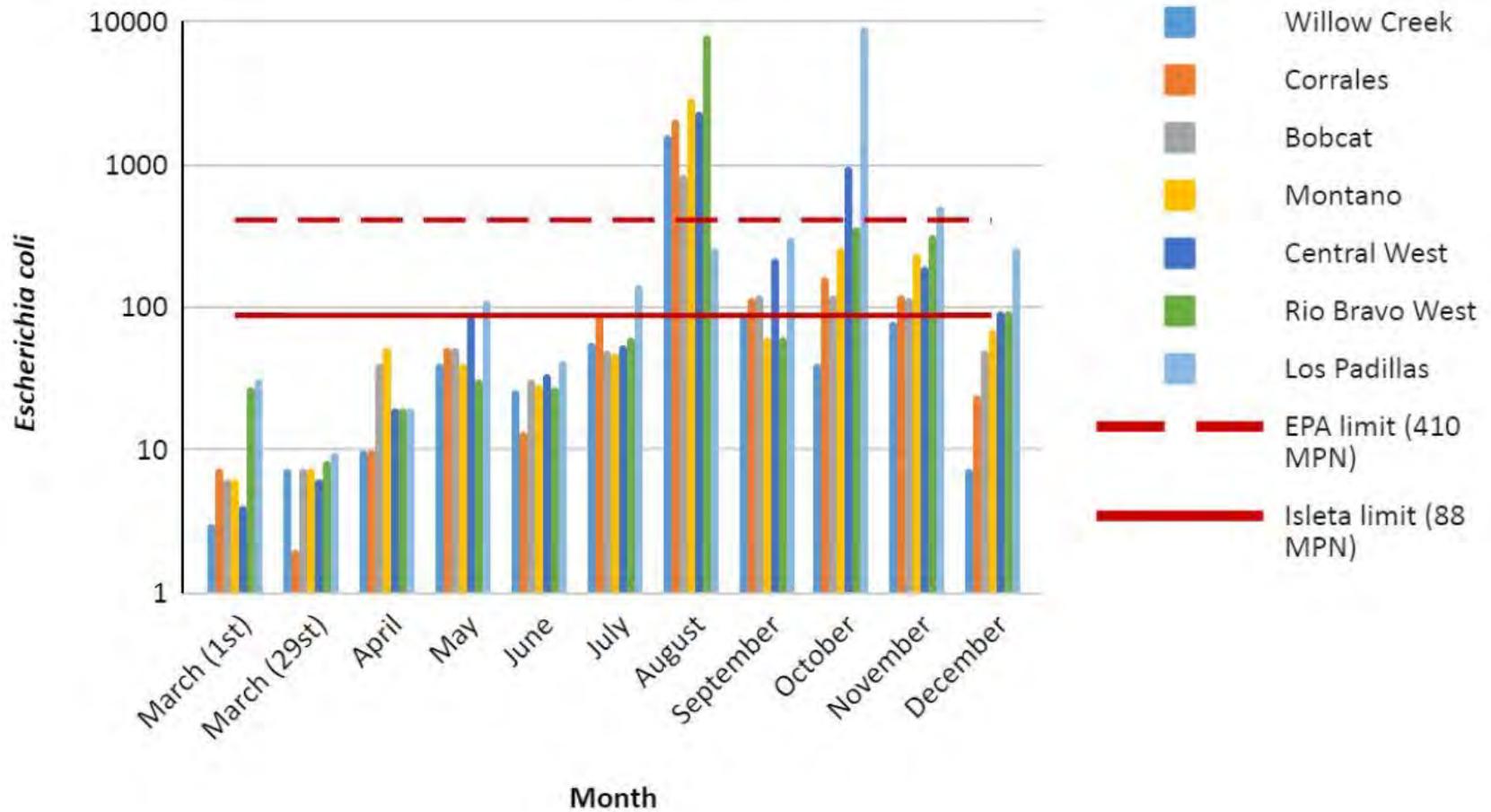
The Bosque Ecosystem Monitoring Program (BEMP) combines long-term ecological research with community outreach by involving K-12 students and their teachers, as well as university students, in monitoring key indicators of structural and functional change in the MRG riparian forest, or “bosque”. During the 2023-2024 school year, 5,900 students throughout Bernalillo and Sandoval counties connected with their local watershed through participation in BEMP activities. The students’ experiences support science education efforts and help to increase understanding and appreciation of the Rio Grande riparian ecosystem. Students also learn proper monitoring protocols, riparian ecology, and how to use data to answer questions through hands-on science. BEMP findings derived from student-gathered data are used by government agencies to inform multi-million dollar river and riparian management decisions.

The BEMP sampling supports the collection and analysis of E. coli data in the Rio Grande. This program operates on a calendar year and does not follow the fiscal year timeline of this program summary. In FY 2024, BEMP collected quarterly water quality data from seven (7) sample locations in the Rio Grande monthly from July through December 2023. Data collected included E. coli concentrations, dissolved oxygen (DO), turbidity, conductivity, temperature, and pH. The sample locations span from north to south over a 26 mile stretch with the most upstream site located just south of the US 550 bridge (Willow Creek sample location) to the most downstream site located at Los Padillas.

In August 2023, samples exceeded both desired water quality limits (88 MPN/100mL) and EPA water quality limits (410 MPN/100mL) at six (6) sampling locations. The highest E. coli level recorded for August 2023 was at Rio Bravo West with 8,164 MPN/100mL. In October 2023, all BEMP sample locations, except Willow Creek (the most upstream sample location), exceeded the desired water quality limits (88 MPN/100mL), with Central West and Los Padillas sample locations exceeding the EPA water quality limits (410 MPN/100mL). Related to units, 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. The bar graph below, from BEMP’s 2023 Annual Stormwater Quality Team Technical Report, shows both the August 2023 and October 2023 E. coli results, as well as results from FY 2023 (March through June 2023).

AMAFCA notifies EPA and the Pueblo of Isleta of any water quality standard exceedances at any in-stream sampling locations (within the Rio Grande). AMAFCA also continues to share access to the real-time DO and temperature sonde data in the Rio Grande with the Pueblo of Isleta. Notification of an exceedance is in writing as soon as practicable after receiving the lab report data.

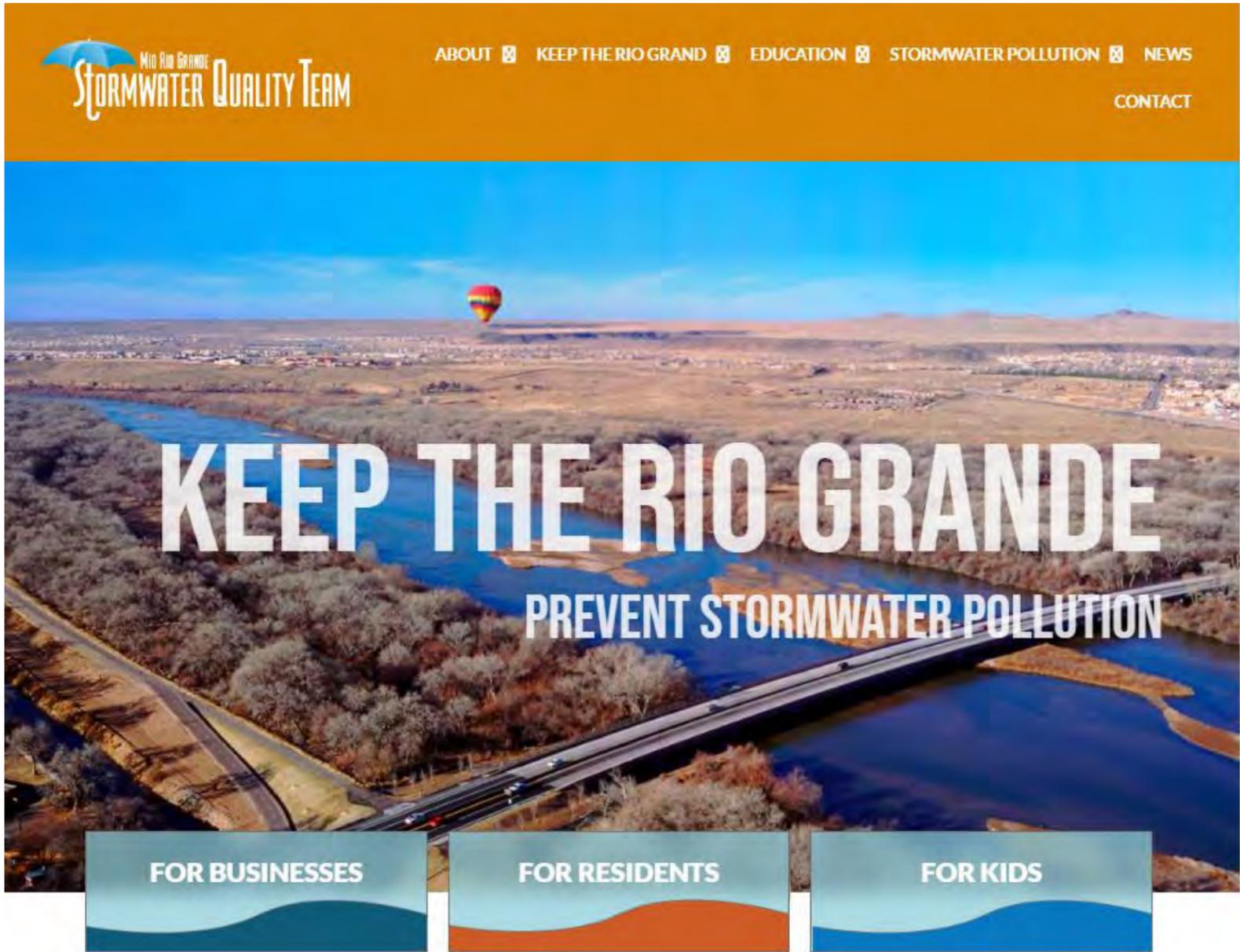
MPN/100mL



*BEMP E. coli Data Plotted on Log 10 Scale at Sampling Sites
FY 2024 Includes July - December 2023 Data
Graph is From the BEMP 2023 Annual Stormwater Quality Team Technical Report*

Public Education and Outreach Program

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



Did you know that stormwater is a leading source of pollution in the Rio Grande?

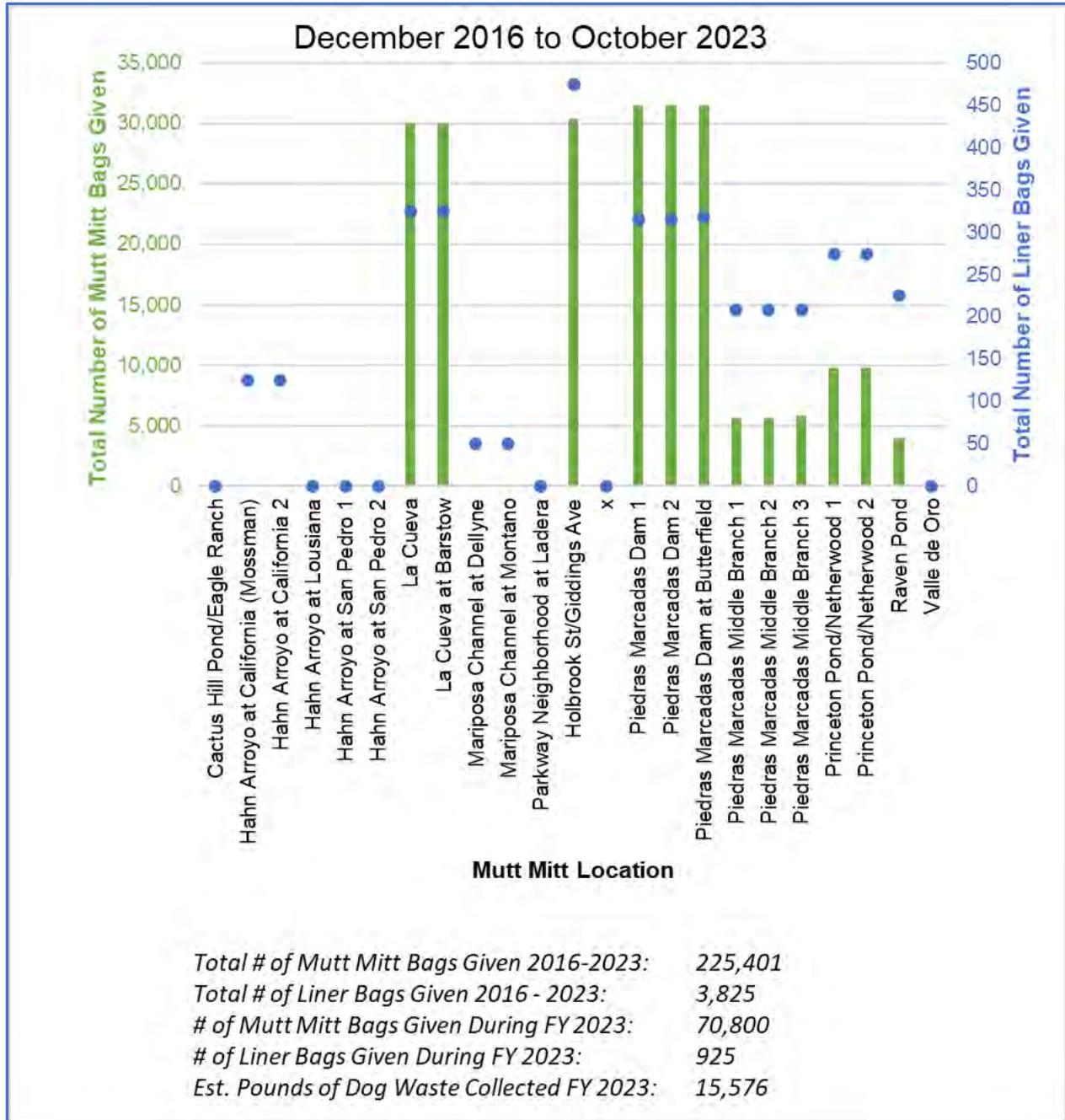
We rely on the Rio Grande for drinking water, but it is also a home to a fragile ecosystem with a rich diversity of wildlife and plants. When we leave behind pesticides, pet waste, trash and even loose soil, these pollutants can wash into our river when it rains and pollute it. Whether you’re near the bosque and the river, on the west mesa, or in the foothills of the Sandia’s, stormwater runoff from streets, arroyos, roadside ditches and underground storm sewers can carry polluted stormwater runoff directly into the river. New Mexicans must work together to keep the rio grand.

The Storm Team was formed in 2004 to educate individuals and businesses about reducing stormwater pollution by keeping trash and other pollutants out of our stormwater system. The Storm Team includes 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 Eastern Sandoval County Arroyo Flood Control Authority, the Southern Sandoval County Arroyo Flood Control Authority, the Town of Bernalillo, the Village of Corrales and the Village of Los Ranchos.

NEWS and INFORMATION

Mid Rio Grande Stormwater Quality Team Website

In addition, AMAFCA has a Mutt Mitt station program to reduce pet waste and increase public awareness, with the goal of reducing E. coli within the watershed. The Mutt Mitt program information through October 2023 is summarized below.



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

MEMORANDUM

DATE: 9/6/2024

TO Patrick Chavez, AMAFCA

FROM: Sarah Ganley, PE, ENV-SP
Savannah Maynard
Emma Adams, EI

SUBJECT: **CMC Dry Season, Wet Weather Stormwater Monitoring
Data Verification, Analysis Results Database, and Reporting Memo
FY 2024 Dry Season (Nov. 1, 2023 to June 30, 2024)**

NOTIFICATION OF IN-STREAM WATER QUALITY EXCEEDANCES

For downstream notification purposes, the following parameters for in-stream samples taken in the Rio Grande for the FY 2024 dry season had results that exceeded applicable water quality standards (WQSs) for four (4) samples of E. coli, two (2) samples of polychlorinated biphenyls (PCBs), and one (1) sample of dissolved copper. Table 1 summarizes the samples and the applicable WQSs that were exceeded. Additional details on the sampling results shown in Table 1 are provided in this memo. In addition, this memo includes a discussion of two (2) sample results with dissolved oxygen (DO) that were below WQSs, likely due to composite field-testing.

**Table 1: Parameters Detected Above Applicable Water Quality Standards
 CMC FY 2024 Dry Season Monitoring**

| Sampling Date Location | Parameters, Applicable Water Quality Standard (WQS), and Results Exceeding Applicable WQS | | |
|--|---|---|---|
| | E. coli | PCBs | Dissolved Copper |
| | 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: Acute / Chronic: 8 ug/L / 12 ug/L Aquatic Life Acute/Chronic Values are based on a hardness for Pueblo of Isleta, Pueblo of Sandia and New Mexico WQSs |
| 12/14/2023 Rio Grande South Isleta Dam | Exceeded 235.9 MPN (CFU/100 mL) | Exceeded 0.0002908 ug/L | No Exceedance |
| 6/26/2024 Rio Grande North Angostura | Exceeded 108 MPN (CFU/100 mL) | No Exceedance | No Exceedance |
| 6/26/2024 Rio Grande at Alameda | Exceeded 97 MPN (CFU/100 mL) | Not Tested | Not Tested |
| 6/27/2024 Rio Grande South Isleta Dam | Exceeded 644 MPN (CFU/100 mL) | Exceeded 0.000323 ug/L | Exceeded 10 ug/L |

OVERVIEW OF STORMWATER MONITORING ACTIVITY

Bohannon 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 Fiscal Year (FY) 2024 (Nov. 1, 2023 to June 30, 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 Municipal Separate Storm Sewer System (MS4) Permit, NPDES Permit No. NMR04A000 ("WSB MS4 Permit").

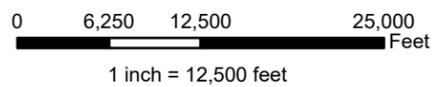
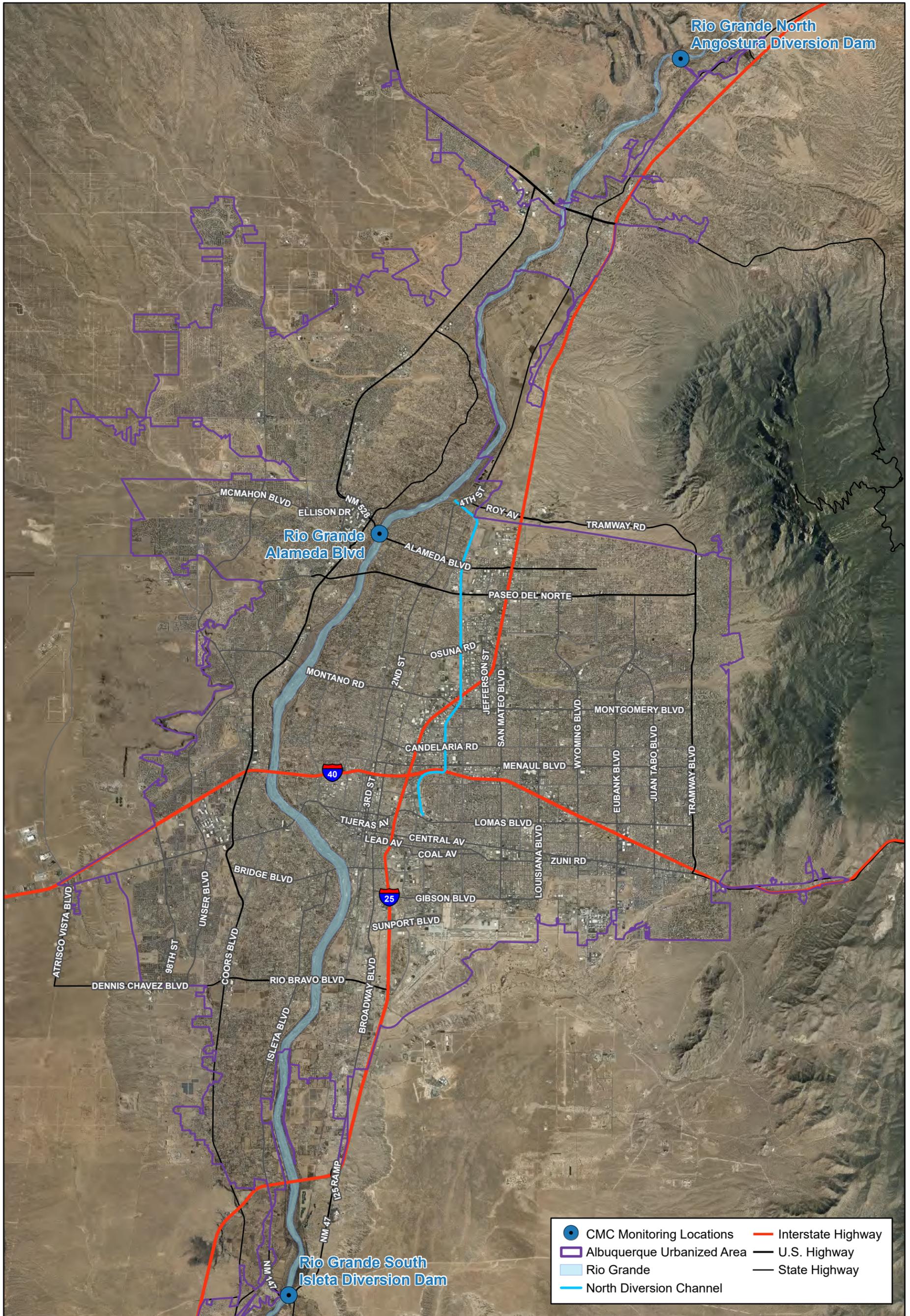
The WSB MS4 Permit entered Administrative Continuance in December 2019 when U.S. Environmental Protection Agency (EPA) Region 6 did not issue a new MS4 Permit before the current WSB MS4 Permit's expiration date. The MRG Technical Advisory Group (TAG) sent EPA a letter dated October 15, 2019, acknowledging 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 a minimum of seven (7) storm events be sampled at both the Rio Grande North and Rio Grande South locations (refer to Figure 1, page 4). All MS4 Permit required samples have been obtained by the CMC, as well as six (6) additional samples obtained during Administrative Continuance (FY 2021 through FY 2024); all 13 CMC samples are summarized in Table 2 below.

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

| Storm Events Required to Sample | 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) |

During the WSB MS4 Permit Administrative Continuance, the CMC members chose 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 2024 dry season (Nov. 1, 2023 to June 30, 2024).

The CMC Excel database was updated with the FY 2024 dry season monitoring data as results were received. The database contains sample location, sample date, analyses conducted, methods used, applicable surface WQs, WSB MS4 Permit required Minimum Qualification Levels (MQLs) and results.



CMC Monitoring

Figure 1
Monitoring Locations

SUMMARY OF THE CMC SAMPLING PLAN

Sampling Parameters:

Samples from both 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 (BOD₅)
- 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
- Indeno (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 CaCO₃)
- Per-and polyfluoroalkyl substances, known as PFAS

Hardness (as CaCO₃) 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 by to be analyzed in the field during sample collection, which was conducted by DBS&A, within 15 minutes of sample collection. All E. coli samples were submitted to the laboratory within eight (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 2024 sample included PFAS testing.

Sampling Locations:

The sampling locations are shown in Figure 1, page 4.

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 Urban 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 2024 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 6). This sample point was added after discussion with NMED in February 2017, regarding potential refinements to E. coli loading calculations.

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 BHI their field notes and field sample data (temperature, DO, specific conductivity, and pH) for the FY 2024 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. DBS&A followed this QAPP during sample collection. BHI used this QAPP and the included standard operating procedures (SOPs) for the 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 2024 dry season from November 2023 through June 2024. Two (2) qualifying storm events were sampled and analyzed during the FY 2024 dry season.

- **December 13-14, 2023 – Qualifying Storm Event.** Samples were collected December 13, 2023, at the Rio Grande North and Alameda Blvd. locations beginning at 12:00 p.m. and 1:25 p.m., respectively. These samples were sent to the laboratory for E. coli testing. The CMC determined that the storm event beginning December 13, 2023 was a qualifying storm event. A Rio Grande South sample was collected beginning at 2:45 p.m. on December 14. The samples from the North (collected December 13) and South (collected December 13) locations were taken to Eurofins Environment Testing for full parameter testing.
- **June 26-27, 2024 – Qualifying Storm Event.** Samples were collected June 26, 2024 at the Rio Grande North and Alameda Blvd. locations beginning at 3:05 p.m. and 4:28 p.m., respectively. These samples were sent to the laboratory for E. coli testing. The CMC determined that the storm event beginning June 26, 2024 was a qualifying storm event. A Rio Grande South Sample was collected at 1:10 p.m. on June 27, 2024. The samples from the North (collected June 26) and South (collected June 27) were taken to Eurofins Environment Testing for full parameter testing.

STORMWATER QUALITY DATABASE FOR CMC

As stated previously, there were two (2) qualifying storm events during the FY 2024 dry season, wet weather monitoring sampled by the CMC, which occurred December 13-14, 2023 and June 26-27, 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 report.

Database Data Entry:

The CMC Excel database was updated with the FY 2024 dry season, wet weather monitoring data. The database contains sample locations, sample date, analyses conducted, methods used, applicable surface water quality standards (WQSs), WSB MS4 Permit required Minimum Quantification Levels (MQL), 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 qualifying storm events for both Rio Grande North and Rio Grande South locations were entered respectively 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 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 Operating Procedure (SOP) #2, which is part of the existing CMC QAPP Draft, 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 2024 dry season data met the appropriate QA/QC requirements for the December 2023 samples. For the June 2024 samples, the lab reports did not provide results for ammonia or Benzo[a]pyrene. In addition, the June 26-27, 2024 samples had some QA/QC issues, which are documented in the lab reports in Attachment 1 as well as in the data V&V worksheets in Attachment 2. If any data did not meet the appropriate QA/QC requirements, it 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 2024 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, 15 parameters were not detected in the FY 2024 dry 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 2024 Dry Season Monitoring**

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

For the remaining parameters on the CMC monitoring parameter list, three (3) parameters (E. coli, PCBs, and Dissolved Copper) had exceedances of the applicable surface WQS found in New Mexico Administrative Code (NMAC) 20.6.4 and the Pueblo of Isleta WQS during the FY 2024 dry season. Additionally, two (2) samples were showing dissolved oxygen (DO) below WQSs. All exceedances are discussed below in further detail.

E. coli:

The E. coli results collected during the FY 2024 dry season are summarized in Table 4.

**Table 4: E. coli Results
 CMC FY 2024 Dry Season Monitoring**

| Date – Rio Grande Location | E. coli Results MPN (CFU/100 mL) |
|--|-------------------------------------|
| December 13, 2023 – Rio Grande North, Isleta Dam | 20 |
| December 13, 2023 – Rio Grande at Alameda | 55.6 |
| December 14, 2023 – Rio Grande South, Isleta Dam | 235.9 |
| June 26, 2024 – Rio Grande North Angostura | 108 |
| June 26, 2024 – Rio Grande at Alameda | 97 |
| June 27, 2024 – Rio Grande South, Isleta Dam | 644 |

At the Rio Grande North location (upstream of the Albuquerque UA, at the Angostura Diversion Dam), two (2) samples were collected and tested for E. coli. The lab results for the December 13, 2023 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). The E. coli result on June 26, 2024 exceeded the primary contact-single sample Pueblo of Isleta WQS (88 CFU/100 mL).

At the Rio Grande South location (downstream of the MS4 UA), two (2) samples were collected and tested for E. coli. The December 14, 2023 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). The June 27, 2024 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. during the FY 2024 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 verses using an area percentage (as defined in the TMDL) for E. coli loading calculations. The lab results showed that the 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) for the December 13, 2023 sample. But for the June 26, 2024 sample, the lab results showed that the sample slightly 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).

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. 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 December 2023 through June 2024.

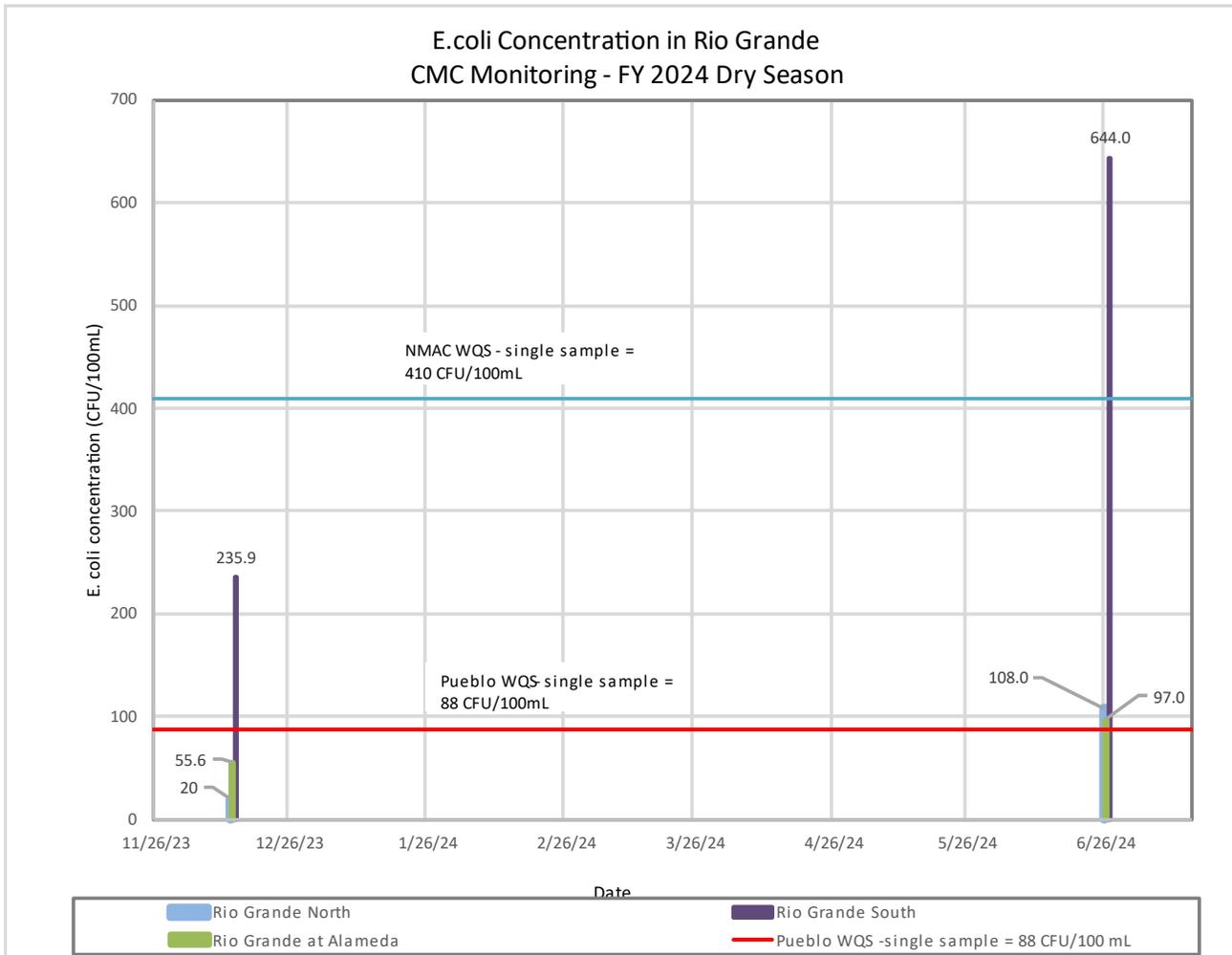
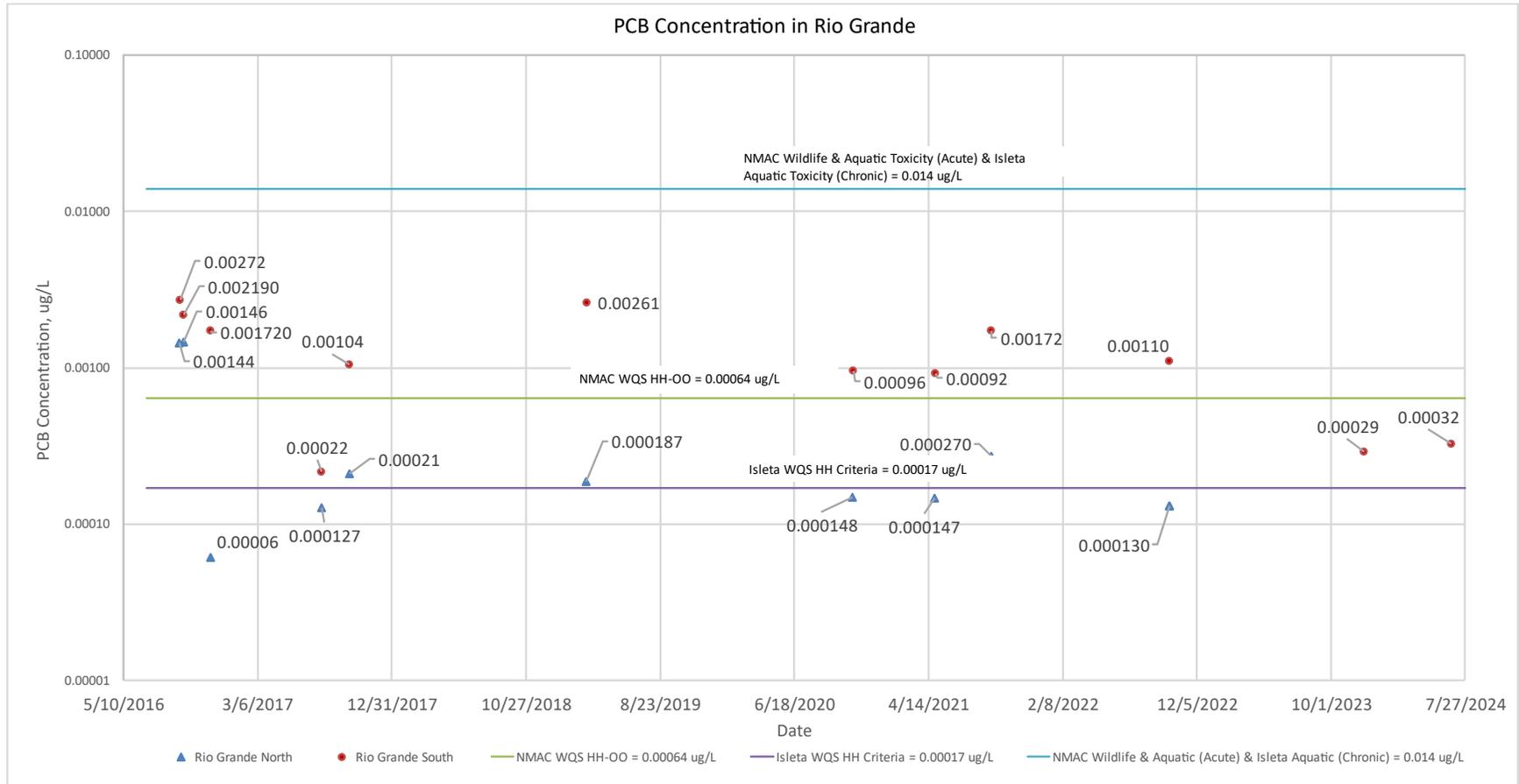


Figure 2: E. coli Monitoring Results in Rio Grande CMC Monitoring – FY 2024 Dry Season

PCBs:

There are multiple surface WQS values listed for PCBs in both the Pueblo of Isleta and the State of New Mexico standards for the various designated uses. The PCB results for samples collected from the Rio Grande during the FY 2024 dry season stormwater events were below the minimum quantification level (MQL) established in EPA standards for the MS4 NPDES Permit (Appendix F, 0.2 ug/L for PCBs). PCBs were not detected for the both the December 2023 and June 2024 Rio Grande North samples. However, both samples from the Rio Grande South location were above the Pueblo of Isleta human health criteria (based on fish consumption only) WQS for surface waters. The human health-organism only criterion is based upon human consumption of fish and other aquatic life that bioaccumulate contaminants over time. The PCB results from 2016 through 2024 are shown in Figure 3, relative to several of the WQSs for PCBs.



**Figure 3: PCB Monitoring Results in Rio Grande
 CMC Monitoring – 2016 - 2024**

Gross Alpha, Adjusted:

The December 2023 and June 2024 samples did not exceed the New Mexico and Pueblo of Isleta WQSs for gross alpha, adjusted. 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 Copper:

The June 27, 2024 sample result of 10 ug/L for the Rio Grande South at Isleta Dam exceeded the New Mexico, Pueblo of Sandia, and Pueblo of Isleta WQS for dissolved copper. The acute WQS for dissolved copper is 8 ug/L for the NMAC 20.6.4 Water Quality Criterion, Pueblo of Sandia, and Pueblo of Isleta; the Aquatic life Acute value is based on hardness of 90 mg/L.

Most dissolved copper CMC results for the Rio Grande South at Isleta Dam have been <1 ug/L. The previous highest result was 1.5 ug/L for CMC sampling reported for September 2, 2021 for the 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 temperature parameter did not have any surface water quality exceedances during the FY 2024 dry season sampling.

DO is a water quality concern in the Rio Grande if it is below 5 mg/L. The samples taken 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 2016 to 2024. Refer to Figure 4 for CMC DO results and comparison to applicable WQSs.

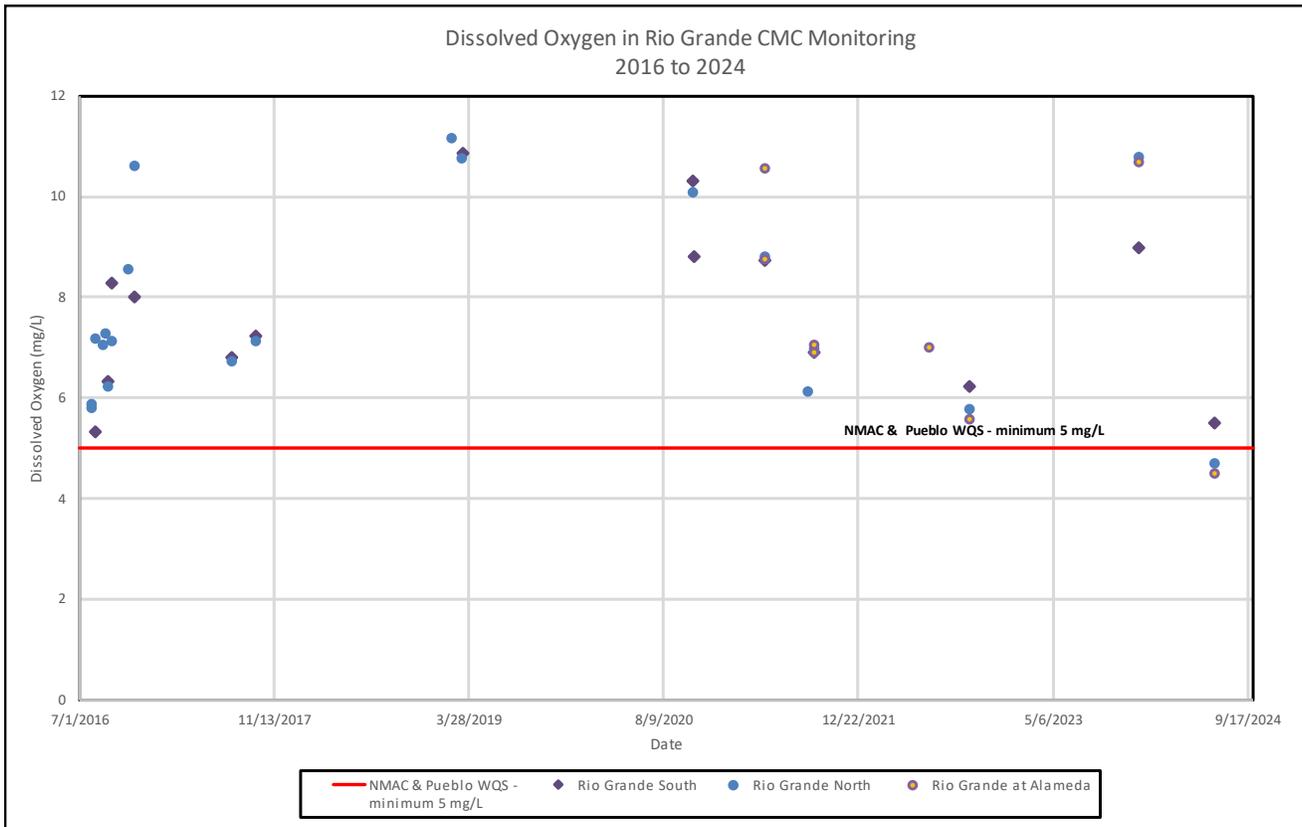


Figure 4: Dissolved Oxygen (DO) Monitoring Results in the Rio Grande CMC Monitoring – 2016 – 2024

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 2024 dry season monitoring also supports this conclusion. All the temperature field readings taken in the Rio Grande during the CMC FY 2024 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 5 for temperature results and comparison to applicable WQSs for all CMC samples taken upstream and downstream of the MRG MS4 area from 2016 to 2024.

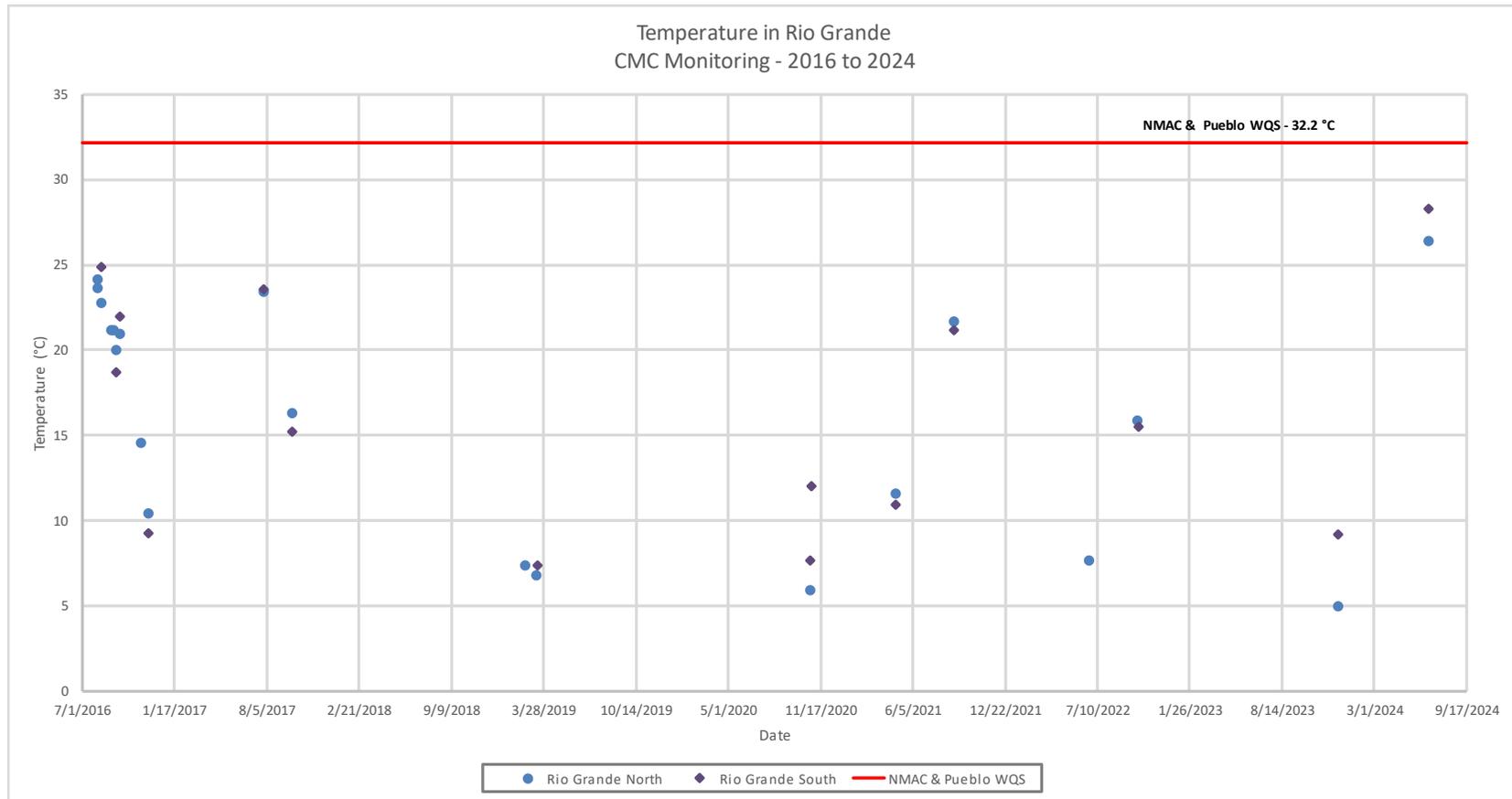


Figure 5: Temperature Monitoring Results in the Rio Grande CMC Monitoring – 2016 - 2024

CMC FY 2024 DRY SEASON E. COLI LOADING CALCULATIONS AND WASTE LOAD ALLOCATION (WLA)

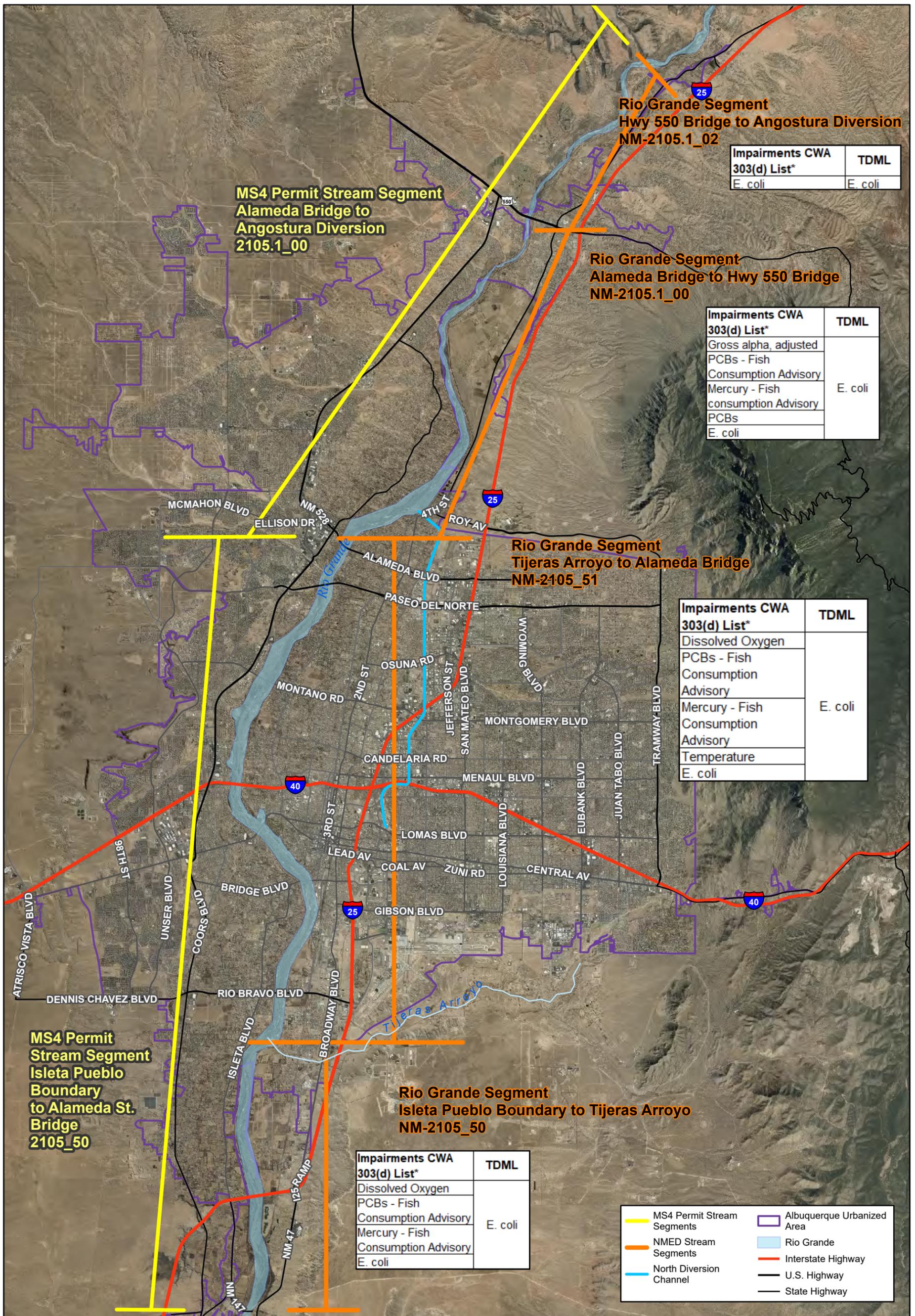
Related to assessing the stormwater results, the E. coli loading was calculated and compared to the aggregate Total Maximum Daily Load (TMDL) Waste Load Allocation (WLA) for the CMC group. A TMDL is the maximum amount of a pollutant (E. coli in this case) that a water body (Rio Grande) can assimilate on a daily basis without violating applicable surface WQs. 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 two (2) qualifying dry season storm events – December 13-14, 2023 and June 26-27, 2024. For these events, 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 is attached to this memo that provides the detailed WLA calculations.



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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

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

| Date / Stream Segment | Daily Mean Flow (cfs) | Flow Conditions (cfs) <i>range defined by NMED</i> | 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 |
|--|-----------------------|---|-------------------------------------|---|--|
| December 13-14, 2023 – Rio Grande North E. coli Concentration 12/13/2023 = 19.7 MPN (CFU/100 mL) Rio Grande at Alameda E. coli Concentration 12/13/2023 = 55.6 MPN (CFU/100 mL) Rio Grande South E. coli Concentration 12/14/2023 = 235.9 MPN (CFU/100 mL) | | | | | |
| Alameda to Angostura | 2,250 | Moist | 1.17E+11 | 9.09E+10 | WLA Potential Exceedance |
| Isleta to Alameda | 2,210 | Moist | 5.70E+11 | 6.29E+10 | WLA Potential Exceedance |
| June 26-27, 2024 – Rio Grande North E. coli Concentration 6/26/2024 = 108 MPN (CFU/100 mL) Rio Grande at Alameda E. coli Concentration 6/26/2024 = 97 MPN (CFU/100 mL) Rio Grande South E. coli Concentration 6/27/2024 = 644 MPN (CFU/100 mL) | | | | | |
| Alameda to Angostura | 486 | Dry | 1.17E+11 | 3.24E+10 | WLA Acceptable |
| Isleta to Alameda | 476 | Dry | 5.70E+11 | 1.57E+10 | WLA Potential Exceedance |

As Table 5 illustrates, the calculated E. coli loading for the December 13-14, 2023 storm event for the northern segment (Alameda to Angostura) and the southern segment (Isleta to Alameda) of the Rio Grande were above the WLA for the CMC MS4s. This analysis used the mid-point E. coli sample result obtained in the Rio Grande at Alameda. For June 26-27, 2024, the calculated E. coli loading for the 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*, 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 Pueblo (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 current 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 2024 dry season.

CONCLUSIONS AND PLANNING

During the FY 2024 dry season (Nov. 1, 2023 to June 30, 2024), two (2) qualifying stormwater samples were 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 2024 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 current 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 two (2) samples obtained in the FY 2024 dry season, as reported in this memo.
- For the FY 2024 dry season, 15 parameters were not detected in the FY 2024 dry season samples at either the Rio Grande North or South locations for both the December 2023 and June 2024 stormwater samples.
- A few key parameters met the applicable WQSs, as they have for all the CMC samples to date:
 - All temperature results were less than 32.2°C (maximum WQS).
 - All gross alpha, adjusted results were less than 15 pCi/L (maximum WQS).

- The PCB results were below the New Mexico Surface WQSs and Pueblo of Isleta Surface WQSs for designated uses, including drinking water, wildlife habitat, acute aquatic life, and chronic aquatic life. However, the Rio Grande South CMC samples from December 14, 2023 and June 27, 2024, were above the Pueblo of Isleta human health criteria (based on fish consumption only) WQS for surface waters.
- The calculated E. coli loading for the December 13-14, 2023 storm event for the northern segment (Alameda to Angostura) and 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.
- The calculated E. coli loading for the June 26-27, 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.

These two (2) samples were the only CMC samples obtained in FY 2024. A wet season sample (July 1, 2023 – Oct. 31, 2023) was not obtained by the CMC. Therefore, this is the only reporting memo for CMC members for FY 2024.

SG/ab

Attachments:

Attachment 1 – DBS&A Field Data & Eurofins Environment Testing Environmental Analysis Laboratory Reports with BHI Notes for FY 2024 Dry Season

Attachment 2 – FY 2024 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 2024 Dry Season Stormwater Quality Monitoring Results

ATTACHMENT 1

**DBS&A FIELD DATA & EUROFINS ENVIRONMENT TESTING LABORATORY
REPORTS WITH BHI NOTES FOR
FY 2024 DRY SEASON**

| Parameter | Permit Required Units | Provisional or Verified | 2024 CMC SAMPLE NORTH | Qualifier | Check compared to Water Quality Criterion | 2024 CMC SAMPLE NORTH | Qualifier | Check compared to Water Quality Criterion | Provisional or Verified | 2023 CMC SAMPLE SOUTH | Qualifier | Check compared to Water Quality Criterion | Provisional or Verified | 2024 CMC SAMPLE SOUTH | Qualifier | Check compared to Water Quality Criterion | Provisional or Verified | 2024 CMC SAMPLE - EXTRA ALAMEDA | Qualifier | Check compared to Water Quality Criterion | 2024 CMC SAMPLE - EXTRA ALAMEDA | Qualifier | Check compared to Water Quality Criterion | | |
|---|-----------------------|-------------------------|---|-----------|---|--|-----------|---|-------------------------|---|--------------|---|-------------------------|--|-----------|---|-------------------------|---|-----------|---|--|-----------|---|-------------------------------------|--------------|
| | | | Collection Date 12/13/2023 Dry Season Sample | | | Collection Date 6/26/2024 Dry Season Sample | | | | Collection Date 12/14/2023 Dry Season Sample | | | | Collection Date 6/27/2024 Dry Season Sample | | | | Collection Date 12/13/23 Dry Season Sample | | | Collection Date 6/26/24 Dry Season Sample | | | | |
| Total Suspended Solids (TSS) | mg/L | V | 6 | | – | V | 58 | – | V | 22 | | – | V | 160 | | – | | | | | | | | | |
| Total Dissolved Solids (TDS) | mg/L | V | 204 | | OK | V | 250 | OK | V | 226 | | OK | V | 280 | | OK | | | | | | | | | |
| Chemical Oxygen Demand (COD) | mg/L | V | 110 | | – | V | ND | – | V | ND | | – | V | ND | | – | | | | | | | | | |
| Biochemical Oxygen Demand (BOD ₅) | mg/L | V | <2.0 | H | – | V | 2 | *b | – | <2.0 | | – | V | ND | *b | – | | | | | | | | | |
| Dissolved Oxygen (DO) | mg/L | V | 10.8 | | OK | V | 4.7 | Refer to comment in previous column | >WQ Standard | V | 9 | | OK | V | 5.5 | | OK | V | 10.7 | | OK | V | 4.5 | Refer to comment in previous column | <WQ Standard |
| Oil and Grease (N-Hexane Extractable Material) | mg/L | V | ND | | OK | V | ND | | OK | V | ND | | OK | V | ND | | OK | | | | | | | | |
| E. coli | MPN (CFU/100 mL) | V | 19.7 | | OK | V | 108.0 | | >WQ Standard | V | 235.9 | | >WQ Standard | V | 644.0 | | >WQ Standard | V | 55.6 | | OK | V | 97.0 | | >WQ Standard |
| pH | S.U. | V | 8.15 | | OK | V | 8.41 | | OK | V | 8.24 | | OK | V | 8.3 | | OK | V | 7.73 | | OK | V | 8.4 | | OK |
| Total Kjeldahl Nitrogen (TKN) | mg/L | V | ND | | – | V | 0.6 | | – | V | ND | | – | V | 0.99 | | – | | | | | | | | |
| Nitrate plus Nitrite | mg/L | V | ND | DF 5 | OK | V | 0.14 | | OK | V | 0.32 | J | OK | V | 0.62 | | OK | | | | | | | | |
| Dissolved Phosphorous | mg/L | V | ND | | – | V | 0.055 | | – | V | 0.065 | | – | V | 0.37 | | – | | | | | | | | |
| Ammonia (mg/L as N) | mg/L | V | 1.1 | JD | OK | V | | Not reported in lab report | N/A | V | 0.84 | JD | OK | V | | Not reported in lab report | OK | | | | | | | | |
| Total Nitrogen | mg/L | V | ND | D | OK | V | 0.74 | | OK | V | ND | D | OK | V | 1.61 | | OK | | | | | | | | |
| Total Phosphorous | mg/L | V | ND | | – | V | 0.13 | | – | V | 0.14 | | – | V | 0.38 | | – | | | | | | | | |
| PCBS - 0.000064 (Method 1668A - sum of all congeners) | µg/L | V | ND | | OK | V | ND | | OK | V | 0.0002908 | J q | >WQ Standard | V | 0.000323 | J q | >WQ Standard | | | | | | | | |
| Gross Alpha, Adjusted | pCi/L | V | 2.25 ± 1.72 | | OK | V | 5.25 | | OK | V | 0.945 ± 1.43 | | OK | V | 3.77 | U | OK | | | | | | | | |
| Tetrahydrofuran | µg/L | V | ND | | – | V | ND | H | – | V | ND | | – | V | ND | H | – | | | | | | | | |
| Benzo[a]pyrene | µg/L | V | ND | | OK | V | | Not reported in lab report | N/A | V | ND | | OK | V | | Not reported in lab report | OK | | | | | | | | |
| Benzo[b]fluoranthene (other name: 3,4-Benzo[fluoranthene]) | µg/L | V | ND | | OK | V | ND | *+ | OK | V | ND | | OK | V | ND | *+ | OK | | | | | | | | |
| Benzo[k]fluoranthene | µg/L | V | ND | | OK | V | ND | *+ | OK | V | ND | | OK | V | ND | *+ | OK | | | | | | | | |
| Chrysene | µg/L | V | ND | | OK | V | ND | *+ | OK | V | ND | | OK | V | ND | *+ | OK | | | | | | | | |
| Indeno[1,2,3-cd]Pyrene | µg/L | V | ND | | OK | V | ND | | OK | V | ND | | OK | V | ND | | OK | | | | | | | | |
| Dieldrin | µg/L | V | ND | | OK | V | ND | *+, H | OK | V | ND | | OK | V | ND | *+, H | OK | | | | | | | | |
| Pentachlorophenol | µg/L | V | ND | | OK | V | ND | | OK | V | ND | | OK | V | ND | | OK | | | | | | | | |
| Benztidine | µg/L | V | ND | | OK | V | ND | | OK | V | ND | | OK | V | ND | | OK | | | | | | | | |
| Benzo[a]anthracene | µg/L | V | ND | | OK | V | ND | *+ | OK | V | ND | | OK | V | ND | *+ | OK | | | | | | | | |
| Dibenzofuran | µg/L | V | ND | | – | V | ND | | – | V | ND | | – | V | ND | | – | | | | | | | | |
| Dibenzofuran | µg/L | V | ND | | OK | V | ND | | OK | V | ND | | OK | V | ND | | OK | | | | | | | | |
| Chromium VI (Hexavalent) | µg/L | V | ND | | OK | V | ND | | OK | V | ND | | OK | V | ND | | OK | | | | | | | | |
| Dissolved Copper | µg/L | V | 0.55 | | OK | V | 0.95 | | OK | V | 0.75 | | OK | V | 10 | | >WQ Standard | | | | | | | | |
| Dissolved Lead | µg/L | V | ND | | OK | V | ND | | OK | V | ND | | OK | V | ND | | OK | | | | | | | | |
| Bis (2-ethylhexyl) Phthalate (other names: Di(2-ethylhexyl)phthalate, DEHP) - 2.2 | µg/L | V | ND | | OK | V | ND | *+ | OK | V | ND | | OK | V | ND | *+ | OK | | | | | | | | |
| Conductivity | umhos/cm | V | 305 | | – | V | 254.1 | | – | V | 338 | | – | V | 337 | | – | V | 310 | | – | V | 272.1 | | – |
| Temperature | °C | V | 5 | | OK | V | 26.4 | | OK | V | 9.2 | | OK | V | 28.3 | | OK | V | 7.1 | | OK | V | 28.9 | | OK |
| Hardness (as CaCO ₃) | mg/L | V | 120 | | – | V | 110 | | – | V | 130 | | – | V | 140 | | – | | | | | | | | |
| Mercury | µg/l | | | | | | | | | | | | | | | | | | | | | | | | |
| PFA (6) | ppt (ng/L) | | | | | P | 3.1 | J | OK | | | | P | 4.1 | J | OK | | | | | | | | | |
| PFA (6) (Filtered) | ppt (ng/L) | | | | | P | | | OK | | | | | | | | | | | | | | | | |

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 TSS 1,500 mg/l or 3. Aquatic life criteria for metals are expressed as a function of total hardness (mg/L) as follows: 1.0 mg/L for metals with hardness < 100 mg/L; 2.0 mg/L for metals with hardness 100-200 mg/L; 3.0 mg/L for metals with hardness 200-300 mg/L; 4.0 mg/L for metals with hardness 300-400 mg/L; 5.0 mg/L for metals with hardness 400-500 mg/L; 6.0 mg/L for metals with hardness 500-600 mg/L; 7.0 mg/L for metals with hardness 600-700 mg/L; 8.0 mg/L for metals with hardness 700-800 mg/L; 9.0 mg/L for metals with hardness 800-900 mg/L; 10.0 mg/L for metals with hardness 900-1000 mg/L.
3. According to NMAC 20.6.4, E. coli bacteria for Primary Contact - monthly geometric mean.
4. Water quality criterion for metals is based on dissolved metals, NMAC 20.6.4.900.1 and individual sample results compared to acute toxicity values.
5. Eurofins lab method: SM 9228B 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 reported.
6. PFA 6 is for the sum of 6 PFAS in drinking water; these compounds are PFDA, 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

CMC Sampling Data Sheet

Site Identification: RG-North

Notes: VSI Pa 1020 ST 21C102804

Oakton CTSI

| | |
|---|-------------------------|
| Full Suite Sample Date and Time: | <u>12-13-23 1200</u> |
| Full Sample Identification: | <u>R6North-20231213</u> |
| QC Samples: Duplicate / <u>None</u> | QC Sample ID: |
| QC samples require a DIFFERENT sample time than the environmental sample. | |
| QC Sample time: | |

| | |
|-------------------------------|--|
| Full Suite Collection Point : | <u>ANGOSTURA DIVISION works</u> |
| Full Suite Sample Volume: | <u>8 gal</u> Collection Time Start: <u>1115</u> End: <u>1200</u> |

Field Parameters for each 2-gallon grab

| Grab | Time | Temp (°C) | pH | Specific Conductance (µS/cm) | Dissolved Oxygen (mg/L) | Dissolved Oxygen (%) |
|-----------|------|-----------|------|------------------------------|-------------------------|----------------------|
| 1 | 1115 | 7.3 | 6.56 | 337 | 10.5 | 102 |
| 2 | 1130 | 5.0 | 7.79 | 302 | 10.8 | 99 |
| 3 | 1145 | 5.7 | 8.04 | 304 | 10.1 | 95 |
| 4 | 1200 | 5.1 | 8.11 | 313 | 10.5 | 98 |
| Composite | 1203 | 5.0 | 8.15 | 305 | 10.8 | 99 |

Turbid Water
 Color clear to yellow
 Solids
 Oil/Sheen
 Foam
 Odor NO

Analytical - see 2021 COC table

Site Photo
 Sample Photo

Samplers C. Johannesen, J. Allen

CMC Sampling Data Sheet

Site Identification: RG-South

Notes: YSI Pro 1020 S# 21C102804

Oakton CTS1

| |
|--|
| Full Suite Sample Date and Time: <u>12/14/23 1445</u> |
| Full Sample Identification: <u>RG South- 20231214</u> |
| QC Samples: Duplicate / <u>(None)</u> QC Sample ID: |
| QC samples require a DIFFERENT sample time than the environmental sample. QC Sample time: |

| |
|--|
| Full Suite Collection Point : <u>Isleta dam</u> |
| Full Suite Sample Volume: <u>8 gal</u> Collection Time Start: <u>1400</u> End: <u>1445</u> |

Field Parameters for each 2-gallon grab

| Grab | Time | Temp (°C) | pH | Specific Conductance (µS/cm) | Dissolved Oxygen (mg/L) | Dissolved Oxygen (%) |
|-----------|------|-----------|------|------------------------------|-------------------------|----------------------|
| 1 | 1400 | 11.7 | 7.81 | 332 | 7.2 | 78 |
| 2 | 1415 | 9.7 | 8.15 | 329 | 8.2 | 85 |
| 3 | 1430 | 9.8 | 8.23 | 330 | 9.2 | 96 |
| 4 | 1445 | 9.3 | 8.31 | 332 | 8.2 | 85 |
| Composite | 1450 | 9.2 | 8.24 | 338 | 9.0 | 92 |

Turbid Water Color Brown Solids Oil/Sheen Foam Odor NONE

Analytical - see 2021 COC table

Site Photo Sample Photo

Samplers C. Johannesen, J. Allen

CMC Sampling Data Sheet

Site Identification: Rio Grande @ Alameda

Notes: YSI Pro 1020 S# 21C102804
Oakton CTS1

| | |
|--|------------------------------|
| Full Suite Sample Date and Time: | <u>12/13/14 1325</u> |
| Full Sample Identification: | <u>RG Alameda - 20231213</u> |
| QC Samples: Duplicate / None | QC Sample ID: |
| <i>QC samples require a DIFFERENT sample time than the environmental sample.</i> | |
| QC Sample time: | |

| | |
|--------------------------------------|---|
| Full Suite Collection Point : | <u>Pedestrian Bridge</u> |
| Full Suite Sample Volume: | <u>1L</u> Collection Time Start: <u>1325</u> End: |

Field Parameters for each 2-gallon grab

| Grab | Time | Temp (°C) | pH | Specific Conductance (µS/cm) | Dissolved Oxygen (mg/L) | Dissolved Oxygen (%) |
|-----------|-------------|------------|-------------|------------------------------|-------------------------|----------------------|
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| Composite | <u>1325</u> | <u>7.1</u> | <u>7.73</u> | <u>310</u> | <u>10.7</u> | <u>97</u> |

Turbid Water Color clear Solids Oil/Sheen Foam Odor _____

Analytical - see 2021 COC table

Site Photo Sample Photo

Samplers IT/EB

CMC Sampling Data Sheet

Site Identification RG NORTH

Notes: on site 1325

| | | |
|---|--|----------------|
| Full Suite Sample Date and Time: | <u>1505</u> | <u>6/26/24</u> |
| Full Sample Identification: | <u>RG NORTH 2024 06 26 2024 06 26</u> | |
| 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 : | <u>MRCO Dam Stack Structure</u> | | |
| Full Suite Sample Volume: | Collection Time Start: | End: | |

Field Parameters for each 2-gallon grab

| Grab | Time | Temp (°C) | pH | Specific Conductance (µS/cm) | Dissolved Oxygen (mg/L) | Dissolved Oxygen (%) |
|-----------|-------------|-------------|-------------|------------------------------|-------------------------|----------------------|
| 1 | <u>1400</u> | <u>24.5</u> | <u>8.06</u> | <u>238.5</u> | <u>5.6</u> | <u>82</u> |
| 2 | <u>1415</u> | <u>24.1</u> | <u>8.30</u> | <u>253.9</u> | <u>5.4</u> | <u>76</u> |
| 3 | <u>1430</u> | <u>24.3</u> | <u>8.29</u> | <u>254.7</u> | <u>5.7</u> | <u>81</u> |
| 4 | <u>1445</u> | <u>24.5</u> | <u>8.26</u> | <u>253.6</u> | <u>5.1</u> | <u>74</u> |
| Composite | <u>1505</u> | <u>26.4</u> | <u>8.41</u> | <u>254.1</u> | <u>4.7</u> | <u>71</u> |

Turbid Water
 Color yellowish
Brown
 Solids
 Oil/Sheen
 Foam
 Odor Biological odor

Analytical - see 2021 COC table

Site Photo
 Sample Photo

Samplers 1 Jones

CMC Sampling Data Sheet

Site Identification RG South

Notes: Weather mostly sunny 83°F

| | |
|--|--------------------------|
| Full Suite Sample Date and Time: | <u>6/27/24 1310</u> |
| Full Sample Identification: | <u>RG South 20240627</u> |
| 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: <u>12:00</u> End: <u>12:45</u> |

Field Parameters for each 2-gallon grab

| Grab | Time | Temp (°C) | pH | Specific Conductance (µS/cm) | Dissolved Oxygen (mg/L) | Dissolved Oxygen (%) |
|-----------|-------------|-------------|-------------|------------------------------|-------------------------|----------------------|
| 1 | <u>1200</u> | <u>24.6</u> | <u>7.67</u> | <u>329.3</u> | <u>5.4</u> | <u>79</u> |
| 2 | <u>1215</u> | <u>26.9</u> | <u>8.24</u> | <u>337.4</u> | <u>5.4</u> | <u>80</u> |
| 3 | <u>1230</u> | <u>27.0</u> | <u>8.26</u> | <u>336.8</u> | <u>5.2</u> | <u>77</u> |
| 4 | <u>1245</u> | <u>27.4</u> | <u>8.28</u> | <u>334.9</u> | <u>4.7</u> | <u>70</u> |
| Composite | <u>1310</u> | <u>28.3</u> | <u>8.30</u> | <u>337.0</u> | <u>5.5</u> | <u>83</u> |

Turbid Water
 Color yellowish
 Solids Brown Some Solids
 Oil/Sheen
 Foam
 Odor Biological odor

Analytical - see 2021 COC table

Site Photo
 Sample Photo

ANALYSIS SONDE CALIBRATION WORKSHEET: 2007-03-01/03/2007

Sonde ID: 210100053 Date/Time: 6/26/24 / 1334 Technician: 1 Jones

Reason for Calibration: RG NORTH Sampling @ BASTION

Battery Voltage: _____ (6920 & 600 XLM only)

Specific Conductance: _____ Calibration Values
 Standard Used (mS) _____ Initial Post Cal. Cell Constant:* _____ (Range: 5 +/- 0.5)

pH Calibration Values

| | Initial | Post Cal. | mV | |
|--------------------|---------|-----------|--------|-------------------------|
| 7 Buffer: (first) | 7.02 | 7.01 | 4.7 | (Range: 0 mV +/- 50) |
| 4 Buffer: (second) | 4.32 | 4.0 | 104.2 | (Range: +177 from pH 7) |
| 10 Buffer: (third) | 9.91 | 10.01 | -107.0 | (Range: -177 from pH 7) |

 Note: Span between pH 7 and pH 4, and pH 7 and pH 10 should be approximately 165 to 180 mV.

DO % Sat. Membrane Changed? Y/N If yes, run probe at least 15 mins before calibration. Optimally, wait 6 to 8 hrs before calibration / use.

DO Charge _____ (Range: 50 +/- 25)

mm Hg 0.314 Calibration Values %
 Initial Post Cal. DO Gain* _____ (Range: 1 (0.7 to 1.5))
77.3 | 102 | _____

Turbidity Wiper Changed? Y/N Wiper parks ~180 degrees from optic port? Y/N

| Standards Values (NTUs) | Calibration Values | |
|-------------------------|--------------------|-----------|
| | Initial | Post Cal. |
| Zero (Always First) | | |
| _____ | | |
| _____ | | |

Note: Use longer probe guard with black turb probe; shorter guard with grey probe.

Post Calibration DO Sensor Output Test

Turn off handset (650MDS). Wait 1 minute, turn handset on and enter "Run". DO % Sat. must start reading with a high value and descend to the calibration value in 1 to 2 minutes. If it does not, reject.

Note: Disregard the first two readings as they may be affected by the warm-up process.
 Accept? _____ Reject? _____ See note in comments

Calibration Comments

* Found in: Main Menu -> Sonde Menu -> Advanced -> Calibration Constants

ANALYSIS SONDE CALIBRATION WORKSHEET Version 1.0 / 03/2007

Sonde ID: 21B10053 Date/Time: 6/27/24 1109 Technician: IT/JC

Reason for Calibration: RG Sampling

Battery Voltage: _____ (6920 & 600 XLM only)

Specific Conductance: _____ Calibration Values
 Standard Used (mS) _____ Initial Post Cal. Cell Constant: *
1413 | 1417 | _____ (Range: 5 +/- 0.5)

pH Calibration Values

| | Initial | Post Cal. | mV | |
|--------------------|--------------|--------------|--------------|-------------------------|
| 7 Buffer: (first) | <u>4.00</u> | <u>4.01</u> | <u>158.1</u> | (Range: 0 mV +/- 50) |
| 4 Buffer: (second) | <u>7.00</u> | <u>7.00</u> | <u>1.7</u> | (Range: +177 from pH 7) |
| 10 Buffer: (third) | <u>10.07</u> | <u>10.07</u> | | (Range: -177 from pH 7) |

 Note: Span between pH 7 and pH 4, and pH 7 and pH 10 should be approximately 165 to 180 mV.

DO % Sat. Membrane Changed? Y/N If yes, run probe at least 15 mins before calibration. Optimally, wait 6 to 8 hrs before calibration / use.

DO Charge _____ (Range: 50 +/- 25)

mm Hg Calibration Values %

| | Initial | Post Cal. | DO Gain* | |
|--------------|-------------|-----------|----------|-------------------------|
| <u>636.6</u> | <u>83.8</u> | <u>96</u> | | (Range: 1 (0.7 to 1.5)) |

Turbidity Wiper Changed? Y/N Wiper parks ~180 degrees from optic port? Y/N

| Standards Values (NTUs) | Calibration Values | |
|-------------------------|--------------------|-----------|
| | Initial | Post Cal. |
| Zero (Always First) | | |
| _____ | | |
| _____ | | |

Note: Use longer probe guard with black turb probe; shorter guard with grey probe.

Post Calibration DO Sensor Output Test

Turn off handset (650MDS). Wait 1 minute, turn handset on and enter "Run". DO % Sat. must start reading with a high value and descend to the calibration value in 1 to 2 minutes. If it does not, reject.

Note: Disregard the first two readings as they may be affected by the warm-up process.
 Accept? _____ Reject? _____ See note in comments

Calibration Comments

* Found in: Main Menu -> Sonde Menu -> Advanced -> Calibration Constants

December 22, 2023

Patrick Chavez

AMAFCA

2600 Prospect Ave NE

Albuquerque, NM 87107

TEL: (505) 884-2215

FAX:

12/13/2023: Rio Grande North
and Alameda; E.Coli samples
only.

RE: CMC

OrderNo.: 2312802

Dear Patrick Chavez:

Eurofins Environment Testing South Central, LLC received 2 sample(s) on 12/13/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,



Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Field Parameters:

- North

Temp = 5.0°C

pH = 8.15

Conductivity = 305

Dissolved Oxygen = 10.8

- Alameda

Temp = 7.1°C

pH = 7.73

Conductivity = 310

Dissolved Oxygen = 10.7

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2312802

Date Reported: 12/22/2023

CLIENT: AMAFCA

Client Sample ID: **RG North**-20231213

Project: CMC

Collection Date: 12/13/2023 12:00:00 PM

Lab ID: 2312802-001

Matrix: AQUEOUS

Received Date: 12/13/2023 1:54:00 PM

| Analyses | Result | MDL | RL | Qual | Units | DF | Date Analyzed | Batch ID |
|--|-------------|-------|-------|------|---------|----|------------------------|----------|
| SM 9223B FECAL INDICATOR: E. COLI MPN | | | | | | | Analyst: SMS | |
| E. Coli | 19.7 | 1.000 | 1.000 | | MPN/100 | 1 | 12/14/2023 12:33:00 PM | 79369 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| Qualifiers: | | | |
|-------------|---|----|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quantitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **2312802**

Date Reported: 12/22/2023

CLIENT: AMAFCA

Client Sample ID: **RG Alameda**-20231213

Project: CMC

Collection Date: 12/13/2023 1:25:00 PM

Lab ID: 2312802-002

Matrix: AQUEOUS

Received Date: 12/13/2023 1:54:00 PM

| Analyses | Result | MDL | RL | Qual | Units | DF | Date Analyzed | Batch ID |
|--|--------|-------|-------|------|---------|----|------------------------|----------|
| SM 9223B FECAL INDICATOR: E. COLI MPN | | | | | | | Analyst: SMS | |
| E. Coli | 55.6 | 1.000 | 1.000 | | MPN/100 | 1 | 12/14/2023 12:33:00 PM | 79369 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Sample Log-In Check List

Client Name: **AMAFCA** Work Order Number: **2312802** RcptNo: **1**

Received By: **Juan Rojas** 12/13/2023 1:54:00 PM *Juan Rojas*

Completed By: **Cheyenne Cason** 12/13/2023 3:06:49 PM *Cason*

Reviewed By: *[Signature]* 12/13/23 15:52

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Was an attempt made to cool the samples? Yes No NA
4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
- Samples were collected the same day and chilled.**
5. Sample(s) in proper container(s)? Yes No
6. Sufficient sample volume for indicated test(s)? Yes No
7. Are samples (except VOA and ONG) properly preserved? Yes No
8. Was preservative added to bottles? Yes No NA
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No NA
10. Were any sample containers received broken? Yes No

11. Does paperwork match bottle labels? Yes No
(Note discrepancies on chain of custody)
12. Are matrices correctly identified on Chain of Custody? Yes No
13. Is it clear what analyses were requested? Yes No
14. Were all holding times able to be met? Yes No
(If no, notify customer for authorization.)

of preserved bottles checked for pH: _____
(<2 or >12 unless noted)

Adjusted? _____

Checked by: *Tme 12/13/23*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: _____ Date: _____

By Whom: _____ Via: eMail Phone Fax In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 8.8 | Good | Not Present | Yogi | | |

March 05, 2024

Patrick Chavez
AMAFCA
2600 Prospect Ave NE
Albuquerque, NM 87107
TEL: (505) 884-2215
FAX:

12/13/2023: Rio Grande North
and 12/14/2023: Rio Grande
South

RE: CMC FY24 Dry

OrderNo.: 2312898

Dear Patrick Chavez:

Eurofins Environment Testing South Central, LLC received 2 sample(s) on 12/14/2023 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued January 26, 2023.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,



Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Field Parameters:
- North
Temp = 5.0°C
pH = 8.15
Conductivity = 305
Dissolved Oxygen = 10.8
- South
Temp = 9.2°C
pH = 8.24
Conductivity = 338
Dissolved Oxygen = 9.0



Environment Testing

*Eurofins Environment Testing South
Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com*

Case Narrative

WO#: 2312898

Date: 3/5/2024

CLIENT: AMAFCA

Project: CMC FY24 Drv

Analytical Notes regarding phosphorous:

The "C" fraction contains the results for total phosphorous.

The "D" fraction contains the results for the dissolved phosphorous.

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order: 2312898

Date Reported: 3/5/2024

CLIENT: AMAFCA
Project: CMC FY24 Dry
Lab ID: 2312898-001B

Client Sample ID: R6 North-20231213
Collection Date: 12/13/2023 12:00:00 PM
Matrix: Aqueous

| Analyses | Result | MDL | RL | Qual | Units | DF | Date Analyzed | Batch ID |
|---------------------------|-------------------|------|------|------|-------|----|-----------------------|----------|
| SM5210B: BOD | | | | | | | Analyst: ejn | |
| Biochemical Oxygen Demand | DO Depletion <2.0 | 2.00 | 2.00 | H | mg/L | 1 | 12/20/2023 9:50:00 AM | 79411 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order: 2312898

Date Reported: 3/5/2024

CLIENT: AMAFCA
Project: CMC FY24 Dry
Lab ID: 2312898-001C

Client Sample ID: R6 North-20231213
Collection Date: 12/13/2023 12:00:00 PM
Matrix: Aqueous

| Analyses | Result | MDL | RL | Qual | Units | DF | Date Analyzed | Batch ID |
|-------------------------------|--------|------|------|------|-------|----|------------------------|----------|
| EPA METHOD 1664B | | | | | | | Analyst: AB | |
| N-Hexane Extractable Material | ND | 8.53 | 9.58 | | mg/L | 1 | 12/19/2023 11:40:00 AM | 79435 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

CLIENT: AMAFCA
 Project: CMC FY24 Dry
 Lab ID: 2312898-001D

Client Sample ID: R6 North-20231213
 Collection Date: 12/13/2023 12:00:00 PM
 Matrix: Aqueous

| Analyses | Result | MDL | RL | Qual | Units | DF | Date Analyzed | Batch ID |
|--|--------|-------|-------|------|----------|----|------------------------|----------|
| EPA METHOD 300.0: ANIONS | | | | | | | | |
| Nitrate+Nitrite as N | ND | 0.11 | 1.0 | | mg/L | 5 | 12/19/2023 2:58:45 PM | R10196 |
| Analyst: SNS | | | | | | | | |
| SM 4500 NH3: AMMONIA | | | | | | | | |
| Nitrogen, Ammonia | 1.1 | 0.57 | 2.0 | JD | mg/L | 2 | 12/21/2023 9:18:00 AM | R10201 |
| Analyst: MCA | | | | | | | | |
| SM4500-H+B / 9040C: PH | | | | | | | | |
| pH | 8.14 | | | H | pH units | 1 | 12/20/2023 1:56:15 PM | R10201 |
| Analyst: MCA | | | | | | | | |
| EPA METHOD 365.1: TOTAL PHOSPHOROUS | | | | | | | | |
| Phosphorus, Total (As P) | ND | 0.050 | 0.050 | | mg/L | 1 | 1/6/2024 1:42:00 PM | 79761 |
| Analyst: JMT | | | | | | | | |
| SM2540C MOD: TOTAL DISSOLVED SOLIDS | | | | | | | | |
| Total Dissolved Solids | 204 | 25.0 | 50.0 | | mg/L | 1 | 12/21/2023 7:22:00 PM | 79518 |
| Analyst: KS | | | | | | | | |
| EPA 351.2: TKN | | | | | | | | |
| Nitrogen, Kjeldahl, Total | ND | 0.50 | 0.50 | H | mg/L | 1 | 1/13/2024 3:06:27 PM | 79864 |
| Analyst: MRA | | | | | | | | |
| SM 2540D: TSS | | | | | | | | |
| Suspended Solids | 6.0 | 4.0 | 4.0 | | mg/L | 1 | 12/21/2023 10:31:00 AM | 79522 |
| Analyst: KS | | | | | | | | |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| Qualifiers: | | |
|-------------|---|---|
| * | Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL | Practical Quantitative Limit | RL Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order: 2312898

Date Reported: 3/5/2024

CLIENT: AMAFCA
Project: CMC FY24 Dry
Lab ID: 2312898-001E

Client Sample ID: R6 North-20231213
Collection Date: 12/13/2023 12:00:00 PM
Matrix: Aqueous

| Analyses | Result | MDL | RL | Qual | Units | DF | Date Analyzed | Batch ID |
|--|--------|-------|-------|------|-------|----|---------------------|----------|
| EPA METHOD 365.1: TOTAL PHOSPHOROUS | | | | | | | Analyst: JMT | |
| Phosphorus, Total (As P) | ND | 0.050 | 0.050 | | mg/L | 1 | 1/6/2024 1:46:00 PM | 79761 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order: 2312898

Date Reported: 3/5/2024

CLIENT: AMAFCA
Project: CMC FY24 Dry
Lab ID: 2312898-001F

Client Sample ID: R6 North-20231213
Collection Date: 12/13/2023 12:00:00 PM
Matrix: Aqueous

| Analyses | Result | MDL | RL | Qual | Units | DF | Date Analyzed | Batch ID |
|---------------------------------|--------|-------|-----|------|-------|----|---------------------|----------|
| EPA METHOD 200.7: METALS | | | | | | | Analyst: JRR | |
| Calcium | 36 | 0.053 | 1.0 | | mg/L | 1 | 1/9/2024 5:14:22 PM | 79508 |
| Magnesium | 6.6 | 0.033 | 1.0 | | mg/L | 1 | 1/9/2024 5:14:22 PM | 79508 |
| SM2340B: HARDNESS | | | | | | | Analyst: JRR | |
| Hardness as CaCO3 | 120 | 2.5 | 6.6 | | mg/L | 1 | 1/9/2024 | R10233 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Analytical Report

Lab Order: 2312898

Date Reported: 3/5/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: AMAFCA
Project: CMC FY24 Dry
Lab ID: 2312898-001G

Client Sample ID: R6 North-20231213
Collection Date: 12/13/2023 12:00:00 PM
Matrix: Aqueous

Table with columns: Analyses, Result, MDL, RL, Qual, Units, DF, Date Analyzed, Batch ID. Rows include EPA 200.8: DISSOLVED METALS, Copper, and Lead.

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Table with columns: Qualifiers, * Value exceeds Maximum Contaminant Level, D Sample Diluted Due to Matrix, H Holding times for preparation or analysis exceeded, ND Not Detected at the Reporting Limit, PQL Practical Quantitative Limit, S % Recovery outside of standard limits, B Analyte detected in the associated Method Blank, E Above Quantitation Range/Estimated Value, J Analyte detected below quantitation limits, P Sample pH Not In Range, RL Reporting Limit.

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order: 2312898

Date Reported: 3/5/2024

CLIENT: AMAFCA
Project: CMC FY24 Dry
Lab ID: 2312898-001H

Client Sample ID: R6 North-20231213
Collection Date: 12/13/2023 12:00:00 PM
Matrix: Aqueous

| Analyses | Result | MDL | RL | Qual | Units | DF | Date Analyzed | Batch ID |
|------------------------|--------|------|------|------|-------|----|----------------------|----------|
| SM5220D: COD | | | | | | | Analyst: AB | |
| Chemical Oxygen Demand | 110 | 50.0 | 50.0 | | mg/L | 1 | 1/3/2024 10:26:00 AM | 79689 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Analytical Report

Lab Order: 2312898

Date Reported: 3/5/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: AMAFCA
Project: CMC FY24 Dry
Lab ID: 2312898-002A

Client Sample ID: R6South-20231214
Collection Date: 12/14/2023 2:45:00 PM
Matrix: Aqueous

Table with columns: Analyses, Result, MDL, RL, Qual, Units, DF, Date Analyzed, Batch ID. Row 1: SM 9223B FECAL INDICATOR: E. COLI MPN, Analyst: SMS. Row 2: E. Coli, 235.9, 1.000, 1.000, MPN/100 1, 12/15/2023 12:00:00 PM, 79402

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Table with 2 columns: Qualifiers and descriptions. Includes codes like *, D, H, ND, PQL, S, B, E, J, P, RL and their corresponding definitions.

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order: 2312898

Date Reported: 3/5/2024

CLIENT: AMAFCA
Project: CMC FY24 Dry
Lab ID: 2312898-002B

Client Sample ID: R6South-20231214
Collection Date: 12/14/2023 2:45:00 PM
Matrix: Aqueous

| Analyses | Result | MDL | RL | Qual | Units | DF | Date Analyzed | Batch ID |
|---------------------------|-------------------|------|------|------|-------|----|-----------------------|----------|
| SM5210B: BOD | | | | | | | Analyst: ejn | |
| Biochemical Oxygen Demand | DO Depletion <2.0 | 2.00 | 2.00 | | mg/L | 1 | 12/20/2023 9:50:00 AM | 79411 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order: 2312898

Date Reported: 3/5/2024

CLIENT: AMAFCA
Project: CMC FY24 Dry
Lab ID: 2312898-002C

Client Sample ID: R6South-20231214
Collection Date: 12/14/2023 2:45:00 PM
Matrix: Aqueous

| Analyses | Result | MDL | RL | Qual | Units | DF | Date Analyzed | Batch ID |
|-------------------------------|--------|------|------|------|-------|----|------------------------|----------|
| EPA METHOD 1664B | | | | | | | Analyst: AB | |
| N-Hexane Extractable Material | ND | 8.73 | 9.80 | | mg/L | 1 | 12/19/2023 11:40:00 AM | 79435 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Analytical Report

Lab Order: 2312898

Date Reported: 3/5/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: AMAFCA
 Project: CMC FY24 Dry
 Lab ID: 2312898-002D

Client Sample ID: R6South-20231214
 Collection Date: 12/14/2023 2:45:00 PM
 Matrix: Aqueous

| Analyses | Result | MDL | RL | Qual | Units | DF | Date Analyzed | Batch ID |
|--|--------|-------|-------|------|----------|----|------------------------|----------|
| EPA METHOD 300.0: ANIONS Analyst: SNS | | | | | | | | |
| Nitrate+Nitrite as N | 0.32 | 0.11 | 1.0 | J | mg/L | 5 | 12/19/2023 3:14:28 PM | R10196 |
| SM 4500 NH3: AMMONIA Analyst: MCA | | | | | | | | |
| Nitrogen, Ammonia | 0.84 | 0.57 | 2.0 | JD | mg/L | 2 | 12/21/2023 9:18:00 AM | R10201 |
| SM4500-H+B / 9040C: PH Analyst: MCA | | | | | | | | |
| pH | 8.17 | | | H | pH units | 1 | 12/20/2023 2:00:25 PM | R10201 |
| EPA METHOD 365.1: TOTAL PHOSPHOROUS Analyst: JMT | | | | | | | | |
| Phosphorus, Total (As P) | 0.14 | 0.050 | 0.050 | | mg/L | 1 | 1/6/2024 1:48:00 PM | 79761 |
| SM2540C MOD: TOTAL DISSOLVED SOLIDS Analyst: KS | | | | | | | | |
| Total Dissolved Solids | 226 | 25.0 | 50.0 | | mg/L | 1 | 12/21/2023 7:22:00 PM | 79518 |
| EPA 351.2: TKN Analyst: MRA | | | | | | | | |
| Nitrogen, Kjeldahl, Total | ND | 0.50 | 0.50 | | mg/L | 1 | 1/13/2024 3:10:57 PM | 79864 |
| SM 2540D: TSS Analyst: KS | | | | | | | | |
| Suspended Solids | 22 | 4.0 | 4.0 | | mg/L | 1 | 12/22/2023 10:47:00 AM | 79546 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| Qualifiers: | | |
|-------------|---|---|
| * | Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL | Practical Quantitative Limit | RL Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | |

Analytical Report

Lab Order: 2312898

Date Reported: 3/5/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: AMAFCA
Project: CMC FY24 Dry
Lab ID: 2312898-002E

Client Sample ID: R6South-20231214
Collection Date: 12/14/2023 2:45:00 PM
Matrix: Aqueous

Table with columns: Analyses, Result, MDL, RL, Qual, Units, DF, Date Analyzed, Batch ID. Row 1: EPA METHOD 365.1: TOTAL PHOSPHOROUS, Analyst: JMT. Row 2: Phosphorus, Total (As P), 0.065, 0.050, 0.050, mg/L, 1, 1/6/2024 1:49:00 PM, 79761

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Table with 2 columns: Qualifiers and descriptions. Includes codes like *, D, H, ND, PQL, S, B, E, J, P, RL and their corresponding definitions.

Hall Environmental Analysis Laboratory, Inc.

CLIENT: AMAFCA
Project: CMC FY24 Dry
Lab ID: 2312898-002F

Client Sample ID: R6South-20231214
Collection Date: 12/14/2023 2:45:00 PM
Matrix: Aqueous

| Analyses | Result | MDL | RL | Qual | Units | DF | Date Analyzed | Batch ID |
|---------------------------------|--------|-------|-----|------|-------|----|---------------------|----------|
| EPA METHOD 200.7: METALS | | | | | | | Analyst: JRR | |
| Calcium | 39 | 0.053 | 1.0 | | mg/L | 1 | 1/9/2024 5:18:26 PM | 79508 |
| Magnesium | 7.0 | 0.033 | 1.0 | | mg/L | 1 | 1/9/2024 5:18:26 PM | 79508 |
| SM2340B: HARDNESS | | | | | | | Analyst: JRR | |
| Hardness as CaCO3 | 130 | 2.5 | 6.6 | | mg/L | 1 | 1/9/2024 | R10233 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | |
|--------------------|---|---|
| Qualifiers: | <ul style="list-style-type: none"> * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit PQL Practical Quantitative Limit S % Recovery outside of standard limits. If undiluted results may be estimated. | <ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Above Quantitation Range/Estimated Value J Analyte detected below quantitation limits P Sample pH Not In Range RL Reporting Limit |
|--------------------|---|---|

Analytical Report

Lab Order: 2312898

Date Reported: 3/5/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: AMAFCA
Project: CMC FY24 Dry
Lab ID: 2312898-002G

Client Sample ID: R6South-20231214
Collection Date: 12/14/2023 2:45:00 PM
Matrix: Aqueous

Table with columns: Analyses, Result, MDL, RL, Qual, Units, DF, Date Analyzed, Batch ID. Rows include EPA 200.8: DISSOLVED METALS, Copper, and Lead.

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Table with columns: Qualifiers, * Value exceeds Maximum Contaminant Level, D Sample Diluted Due to Matrix, H Holding times for preparation or analysis exceeded, ND Not Detected at the Reporting Limit, PQL Practical Quantitative Limit, S % Recovery outside of standard limits, B Analyte detected in the associated Method Blank, E Above Quantitation Range/Estimated Value, J Analyte detected below quantitation limits, P Sample pH Not In Range, RL Reporting Limit.

Analytical Report

Lab Order: 2312898

Date Reported: 3/5/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: AMAFCA
Project: CMC FY24 Dry
Lab ID: 2312898-002H

Client Sample ID: R6South-20231214
Collection Date: 12/14/2023 2:45:00 PM
Matrix: Aqueous

Table with columns: Analyses, Result, MDL, RL, Qual, Units, DF, Date Analyzed, Batch ID. Row 1: SM5220D: COD, Chemical Oxygen Demand, ND, 50.0, 50.0, mg/L, 1, 1/3/2024 10:26:00 AM, 79689. Analyst: AB

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Table with 2 columns: Qualifiers and descriptions. Includes codes like *, D, H, ND, PQL, S, B, E, J, P, RL and their corresponding definitions.

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Client: Hall Environmental Analysis Lab
Address: 4901 Hawkins NE Suite D
Albuquerque, NM 87109
Attn: Andy Freeman

Work Order: MDL0646
Project: 2312898
Reported: 2/19/2024 09:01

Analytical Results Report

Sample Location: 2312898-001I (R6 North-20231213)
Lab/Sample Number: MDL0646-01 **Collect Date:** 12/13/23 12:00
Date Received: 12/19/23 14:44 **Collected By:**
Matrix: Water

| Analyte | Result | Units | PQL | Analyzed | Analyst | Method | Qualifier |
|--|--------------|-------|---------------|-----------------------|------------|------------------|-----------|
| Volatiles | | | | | | | |
| Tetrahydrofuran | ND | ug/L | 0.500 | 12/22/23 13:35 | BKP | EPA 8260D | |
| <i>Surrogate: 1,2-Dichlorobenzene-d4</i> | <i>103%</i> | | <i>70-130</i> | <i>12/22/23 13:35</i> | <i>BKP</i> | <i>EPA 8260D</i> | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>75.8%</i> | | <i>70-130</i> | <i>12/22/23 13:35</i> | <i>BKP</i> | <i>EPA 8260D</i> | |
| <i>Surrogate: Toluene-d8</i> | <i>97.6%</i> | | <i>70-130</i> | <i>12/22/23 13:35</i> | <i>BKP</i> | <i>EPA 8260D</i> | |

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Sample Location: 2312898-001N (R6 North-20231213)
 Lab/Sample Number: MDL0646-02 Collect Date: 12/13/23 12:00
 Date Received: 12/19/23 14:44 Collected By:
 Matrix: Water

| Analyte | Result | Units | PQL | Analyzed | Analyst | Method | Qualifier |
|--|--------|-------|--------|----------------|---------|-----------|-----------|
| Semivolatiles | | | | | | | |
| Dieldrin | ND | ug/L | 0.0100 | 12/27/23 20:52 | GPB | EPA 608.3 | |
| <i>Surrogate: DCB</i> | 83.6% | | 40-130 | 12/27/23 20:52 | GPB | EPA 608.3 | |
| Benzidine | ND | ug/L | 1.00 | 12/29/23 0:29 | MAH | EPA 625.1 | |
| Benzo[a]anthracene | ND | ug/L | 0.500 | 12/29/23 0:29 | MAH | EPA 625.1 | |
| Benzo[a]pyrene | ND | ug/L | 0.500 | 12/29/23 0:29 | MAH | EPA 625.1 | |
| Benzo[b]fluoranthene | ND | ug/L | 0.500 | 12/29/23 0:29 | MAH | EPA 625.1 | |
| Benzo[k]fluoranthene | ND | ug/L | 0.500 | 12/29/23 0:29 | MAH | EPA 625.1 | |
| bis(2-Ethylhexyl)phthalate | ND | ug/L | 0.500 | 12/29/23 0:29 | MAH | EPA 625.1 | |
| Chrysene | ND | ug/L | 0.500 | 12/29/23 0:29 | MAH | EPA 625.1 | |
| Dibenz[a,h]anthracene | ND | ug/L | 0.500 | 12/29/23 0:29 | MAH | EPA 625.1 | |
| Dibenzofuran | ND | ug/L | 0.500 | 12/29/23 0:29 | MAH | EPA 625.1 | |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 0.500 | 12/29/23 0:29 | MAH | EPA 625.1 | |
| Pentachlorophenol | ND | ug/L | 0.500 | 12/29/23 0:29 | MAH | EPA 625.1 | |
| <i>Surrogate: 2,4,6-Tribromophenol</i> | 92.4% | | 47-122 | 12/29/23 0:29 | MAH | EPA 625.1 | |
| <i>Surrogate: 2-Fluorobiphenyl</i> | 81.2% | | 49-115 | 12/29/23 0:29 | MAH | EPA 625.1 | |
| <i>Surrogate: 2-Fluorophenol</i> | 78.6% | | 30-115 | 12/29/23 0:29 | MAH | EPA 625.1 | |
| <i>Surrogate: Nitrobenzene-d5</i> | 76.2% | | 51-110 | 12/29/23 0:29 | MAH | EPA 625.1 | |
| <i>Surrogate: Phenol-2,3,4,5,6-d5</i> | 81.2% | | 40-120 | 12/29/23 0:29 | MAH | EPA 625.1 | |
| <i>Surrogate: Terphenyl-d14</i> | 106% | | 50-130 | 12/29/23 0:29 | MAH | EPA 625.1 | |

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Sample Location: 2312898-002I (R6 South-20231214)
Lab/Sample Number: MDL0646-03 Collect Date: 12/14/23 14:45
Date Received: 12/19/23 14:44 Collected By:
Matrix: Water

| Analyte | Result | Units | PQL | Analyzed | Analyst | Method | Qualifier |
|-----------------------------------|--------|-------|--------|----------------|---------|-----------|-----------|
| Volatiles | | | | | | | |
| Tetrahydrofuran | ND | ug/L | 0.500 | 12/22/23 14:07 | BKP | EPA 8260D | |
| Surrogate: 1,2-Dichlorobenzene-d4 | 104% | | 70-130 | 12/22/23 14:07 | BKP | EPA 8260D | |
| Surrogate: 4-Bromofluorobenzene | 76.0% | | 70-130 | 12/22/23 14:07 | BKP | EPA 8260D | |
| Surrogate: Toluene-d8 | 98.1% | | 70-130 | 12/22/23 14:07 | BKP | EPA 8260D | |

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Sample Location: 2312898-002N (R6 South-20231214)
 Lab/Sample Number: MDL0646-04 Collect Date: 12/13/23 12:00
 Date Received: 12/19/23 14:44 Collected By:
 Matrix: Water

| Analyte | Result | Units | PQL | Analyzed | Analyst | Method | Qualifier |
|--|--------|-------|--------|----------------|---------|-----------|-----------|
| Semivolatiles | | | | | | | |
| Dieldrin | ND | ug/L | 0.0100 | 12/27/23 21:10 | GPB | EPA 608.3 | |
| <i>Surrogate: DCB</i> | 90.2% | | 40-130 | 12/27/23 21:10 | GPB | EPA 608.3 | |
| Benzidine | ND | ug/L | 1.00 | 12/29/23 0:56 | MAH | EPA 625.1 | |
| Benzo[a]anthracene | ND | ug/L | 0.500 | 12/29/23 0:56 | MAH | EPA 625.1 | |
| Benzo[a]pyrene | ND | ug/L | 0.500 | 12/29/23 0:56 | MAH | EPA 625.1 | |
| Benzo[b]fluoranthene | ND | ug/L | 0.500 | 12/29/23 0:56 | MAH | EPA 625.1 | |
| Benzo[k]fluoranthene | ND | ug/L | 0.500 | 12/29/23 0:56 | MAH | EPA 625.1 | |
| bis(2-Ethylhexyl)phthalate | ND | ug/L | 0.500 | 12/29/23 0:56 | MAH | EPA 625.1 | |
| Chrysene | ND | ug/L | 0.500 | 12/29/23 0:56 | MAH | EPA 625.1 | |
| Dibenz[a,h]anthracene | ND | ug/L | 0.500 | 12/29/23 0:56 | MAH | EPA 625.1 | |
| Dibenzofuran | ND | ug/L | 0.500 | 12/29/23 0:56 | MAH | EPA 625.1 | |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 0.500 | 12/29/23 0:56 | MAH | EPA 625.1 | |
| Pentachlorophenol | ND | ug/L | 0.500 | 12/29/23 0:56 | MAH | EPA 625.1 | |
| <i>Surrogate: 2,4,6-Tribromophenol</i> | 90.8% | | 47-122 | 12/29/23 0:56 | MAH | EPA 625.1 | |
| <i>Surrogate: 2-Fluorobiphenyl</i> | 86.7% | | 49-115 | 12/29/23 0:56 | MAH | EPA 625.1 | |
| <i>Surrogate: 2-Fluorophenol</i> | 78.2% | | 30-115 | 12/29/23 0:56 | MAH | EPA 625.1 | |
| <i>Surrogate: Nitrobenzene-d5</i> | 84.8% | | 51-110 | 12/29/23 0:56 | MAH | EPA 625.1 | |
| <i>Surrogate: Phenol-2,3,4,5,6-d5</i> | 82.5% | | 40-120 | 12/29/23 0:56 | MAH | EPA 625.1 | |
| <i>Surrogate: Terphenyl-d14</i> | 108% | | 50-130 | 12/29/23 0:56 | MAH | EPA 625.1 | |

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Authorized Signature,



Justin Doty For Todd Taruscio, Laboratory Manager

| | |
|-----|---|
| PQL | Practical Quantitation Limit |
| ND | Not Detected |
| MCL | EPA's Maximum Contaminant Level |
| Dry | Sample results reported on a dry weight basis |
| * | Not a state-certified analyte |

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The results reported related only to the samples indicated.

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Quality Control Data

Semivolatiles

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---------|--------|------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|
|---------|--------|------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|

Batch: BDL0839 - Pesticides

Blank (BDL0839-BLK1)

Prepared: 12/20/2023 Analyzed: 12/27/2023

| | | | | | | | | | | |
|----------------|----|--|--------|------|------|--|-----|--------|--|--|
| Dieldrin | ND | | 0.0100 | ug/L | | | | | | |
| Surrogate: DCB | | | 1.36 | ug/L | 1.25 | | 109 | 40-130 | | |

LCS (BDL0839-BS1)

Prepared: 12/20/2023 Analyzed: 12/27/2023

| | | | | | | | | | | |
|----------------|-------|--|--------|------|-------|--|------|--------|--|--|
| Dieldrin | 0.488 | | 0.0100 | ug/L | 0.500 | | 97.6 | 73-136 | | |
| Surrogate: DCB | | | 1.15 | ug/L | 1.25 | | 91.7 | 40-130 | | |

Matrix Spike (BDL0839-MS1)

Source: MDL0646-02

Prepared: 12/20/2023 Analyzed: 12/27/2023

| | | | | | | | | | | |
|----------------|-------|--|--------|------|-------|----|------|--------|--|--|
| Dieldrin | 0.494 | | 0.0100 | ug/L | 0.500 | ND | 98.7 | 66-129 | | |
| Surrogate: DCB | | | 1.00 | ug/L | 1.25 | | 80.1 | 40-130 | | |

Matrix Spike Dup (BDL0839-MSD1)

Source: MDL0646-02

Prepared: 12/20/2023 Analyzed: 12/27/2023

| | | | | | | | | | | |
|----------------|-------|--|--------|------|-------|----|------|--------|------|----|
| Dieldrin | 0.507 | | 0.0100 | ug/L | 0.500 | ND | 101 | 66-129 | 2.67 | 30 |
| Surrogate: DCB | | | 1.09 | ug/L | 1.25 | | 86.9 | 40-130 | | |

Batch: BDL0939 - SVOC Water

Blank (BDL0939-BLK1)

Prepared: 12/20/2023 Analyzed: 12/28/2023

| | | | | | | | | | | |
|---------------------------------|----|--|-------|------|------|--|------|--------|--|--|
| Benzidine | ND | | 1.00 | ug/L | | | | | | |
| Di (2-ethylhexyl) phthalate | ND | | 0.500 | ug/L | | | | | | |
| Indeno(1,2,3-cd)pyrene | ND | | 0.500 | ug/L | | | | | | |
| Dibenzofuran | ND | | 0.500 | ug/L | | | | | | |
| Dibenz(a,h)anthracene | ND | | 0.500 | ug/L | | | | | | |
| Chrysene | ND | | 0.500 | ug/L | | | | | | |
| Pentachlorophenol | ND | | 0.500 | ug/L | | | | | | |
| Benzo[k]fluoranthene | ND | | 0.500 | ug/L | | | | | | |
| Benzo[b]fluoranthene | ND | | 0.500 | ug/L | | | | | | |
| Benzo[a]anthracene | ND | | 0.500 | ug/L | | | | | | |
| Benzo[a]pyrene | ND | | 0.500 | ug/L | | | | | | |
| Surrogate: Phenol-2,3,4,5,6-d5 | | | 43.7 | ug/L | 50.0 | | 87.5 | 40-120 | | |
| Surrogate: Nitrobenzene-d5 | | | 21.0 | ug/L | 25.0 | | 84.0 | 51-110 | | |
| Surrogate: Terphenyl-d14 | | | 27.5 | ug/L | 25.0 | | 110 | 50-130 | | |
| Surrogate: 2-Fluorophenol | | | 39.5 | ug/L | 50.0 | | 78.9 | 30-115 | | |
| Surrogate: 2-Fluorobiphenyl | | | 21.7 | ug/L | 25.0 | | 86.6 | 49-115 | | |
| Surrogate: 2,4,6-Tribromophenol | | | 44.8 | ug/L | 50.0 | | 89.6 | 47-122 | | |

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Quality Control Data (Continued)

Semivolatiles (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|------|-----------------|-------|---|---------------|------|-------------|-----|-----------|
| Batch: BDL0939 - SVOC Water (Continued) | | | | | | | | | | |
| LCS (BDL0939-BS1) | | | | | Prepared: 12/20/2023 Analyzed: 12/28/2023 | | | | | |
| Indeno(1,2,3-cd)pyrene | 4.19 | | 0.500 | ug/L | 5.00 | | 83.8 | 67-120 | | |
| Benzo[k]fluoranthene | 5.01 | | 0.500 | ug/L | 5.00 | | 100 | 70-122 | | |
| Dibenzofuran | 4.03 | | 0.500 | ug/L | 5.00 | | 80.6 | 70-120 | | |
| Dibenz(a,h)anthracene | 4.30 | | 0.500 | ug/L | 5.00 | | 86.0 | 64-120 | | |
| Benzo[a]anthracene | 4.61 | | 0.500 | ug/L | 5.00 | | 92.2 | 70-120 | | |
| Di (2-ethylhexyl) phthalate | 4.85 | | 0.500 | ug/L | 5.00 | | 97.0 | 61-141 | | |
| Benzo[b]fluoranthene | 4.63 | | 0.500 | ug/L | 5.00 | | 92.6 | 70-120 | | |
| Chrysene | 4.80 | | 0.500 | ug/L | 5.00 | | 96.0 | 70-120 | | |
| Benzo[a]pyrene | 4.19 | | 0.500 | ug/L | 5.00 | | 83.8 | 64-120 | | |
| Pentachlorophenol | 4.41 | | 0.500 | ug/L | 5.00 | | 88.2 | 61-120 | | |
| ----- | | | | | | | | | | |
| Surrogate: Phenol-2,3,4,5,6-d5 | | | 39.4 | ug/L | 50.0 | | 78.8 | 40-120 | | |
| Surrogate: Nitrobenzene-d5 | | | 21.2 | ug/L | 25.0 | | 84.6 | 51-110 | | |
| Surrogate: Terphenyl-d14 | | | 25.7 | ug/L | 25.0 | | 103 | 50-130 | | |
| Surrogate: 2-Fluorophenol | | | 34.9 | ug/L | 50.0 | | 69.7 | 30-115 | | |
| Surrogate: 2-Fluorobiphenyl | | | 21.9 | ug/L | 25.0 | | 87.7 | 49-115 | | |
| Surrogate: 2,4,6-Tribromophenol | | | 43.8 | ug/L | 50.0 | | 87.7 | 47-122 | | |

LCS Dup (BDL0939-BSD1)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|--------|------|-----------------|-------|-------------|---------------|------|-------------|-------|-----------|
| Prepared: 12/20/2023 Analyzed: 12/28/2023 | | | | | | | | | | |
| Dibenz(a,h)anthracene | 4.32 | | 0.500 | ug/L | 5.00 | | 86.4 | 64-120 | 0.464 | 25 |
| Dibenzofuran | 4.36 | | 0.500 | ug/L | 5.00 | | 87.2 | 70-120 | 7.87 | 25 |
| Indeno(1,2,3-cd)pyrene | 4.22 | | 0.500 | ug/L | 5.00 | | 84.4 | 67-120 | 0.713 | 25 |
| Pentachlorophenol | 4.68 | | 0.500 | ug/L | 5.00 | | 93.6 | 61-120 | 5.94 | 25 |
| Chrysene | 4.76 | | 0.500 | ug/L | 5.00 | | 95.2 | 70-120 | 0.837 | 25 |
| Benzo[a]anthracene | 4.56 | | 0.500 | ug/L | 5.00 | | 91.2 | 70-120 | 1.09 | 25 |
| Di (2-ethylhexyl) phthalate | 4.62 | | 0.500 | ug/L | 5.00 | | 92.4 | 61-141 | 4.86 | 25 |
| Benzo[a]pyrene | 4.40 | | 0.500 | ug/L | 5.00 | | 88.0 | 64-120 | 4.89 | 25 |
| Benzo[b]fluoranthene | 4.62 | | 0.500 | ug/L | 5.00 | | 92.4 | 70-120 | 0.216 | 25 |
| Benzo[k]fluoranthene | 5.00 | | 0.500 | ug/L | 5.00 | | 100 | 70-122 | 0.200 | 25 |
| ----- | | | | | | | | | | |
| Surrogate: Phenol-2,3,4,5,6-d5 | | | 46.2 | ug/L | 50.0 | | 92.4 | 40-120 | | |
| Surrogate: Nitrobenzene-d5 | | | 23.2 | ug/L | 25.0 | | 92.8 | 51-110 | | |
| Surrogate: Terphenyl-d14 | | | 26.0 | ug/L | 25.0 | | 104 | 50-130 | | |
| Surrogate: 2-Fluorophenol | | | 46.5 | ug/L | 50.0 | | 93.0 | 30-115 | | |
| Surrogate: 2-Fluorobiphenyl | | | 23.9 | ug/L | 25.0 | | 95.7 | 49-115 | | |
| Surrogate: 2,4,6-Tribromophenol | | | 48.7 | ug/L | 50.0 | | 97.4 | 47-122 | | |

Quality Control Data (Continued)

Volatiles

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|-----------------------------------|--------|------|-----------------|-------|---------------------------------|---------------|------|-------------|-----|-----------|
| Batch: BDL0895 - VOC | | | | | | | | | | |
| Blank (BDL0895-BLK1) | | | | | Prepared & Analyzed: 12/21/2023 | | | | | |
| Tetrahydrofuran | ND | | 0.500 | ug/L | | | | | | |
| ----- | | | | | | | | | | |
| Surrogate: 4-Bromofluorobenzene | | | 19.1 | ug/L | 20.0 | | 95.4 | 70-130 | | |
| Surrogate: Toluene-d8 | | | 19.5 | ug/L | 20.0 | | 97.7 | 70-130 | | |
| Surrogate: 1,2-Dichlorobenzene-d4 | | | 20.0 | ug/L | 20.0 | | 100 | 70-130 | | |
| ----- | | | | | | | | | | |
| LCS (BDL0895-BS1) | | | | | Prepared & Analyzed: 12/22/2023 | | | | | |
| Tetrahydrofuran | 20.0 | | 0.500 | ug/L | 20.0 | | 100 | 80-120 | | |
| ----- | | | | | | | | | | |

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Quality Control Data (Continued)

Volatiles (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---------|--------|------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|
|---------|--------|------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|

Batch: BDL0895 - VOC (Continued)

LCS (BDL0895-BS1)

Prepared & Analyzed: 12/22/2023

| | | | | | | |
|-----------------------------------|------|------|------|--|------|--------|
| Surrogate: Toluene-d8 | 20.0 | ug/L | 20.0 | | 99.8 | 70-130 |
| Surrogate: 4-Bromofluorobenzene | 16.0 | ug/L | 20.0 | | 80.2 | 70-130 |
| Surrogate: 1,2-Dichlorobenzene-d4 | 20.0 | ug/L | 20.0 | | 100 | 70-130 |



| | | | |
|---|-----------------------------------|------------------------------|----------------------------|
| SUB CONTRACTOR: Anatek ID | COMPANY: Anatek Labs, Inc. | PHONE: (208) 883-2839 | FAX: (208) 882-9246 |
| ADDRESS: 1282 Alturas Dr | ACCOUNT #: | EMAIL: | |
| CITY, STATE, ZIP: Moscow, ID 83843 | | | |

| ITEM | SAMPLE | CLIENT SAMPLE ID | BOTTLE TYPE | MATRIX | COLLECTION DATE | # CONTAINERS | ANALYTICAL COMMENTS |
|------|--------------|-------------------|-------------|---------|------------------------|--------------|------------------------------|
| 1 | 2312898-001I | R6 North-20231213 | VOAHCL | Aqueous | 12/13/2023 12:00:00 PM | 3 | Tetrahydrofuran by 8260 only |
| 2 | 2312898-001N | R6 North-20231213 | 1LAMGU | Aqueous | 12/13/2023 12:00:00 PM | 2 | 608, 625 See Attached- |
| 3 | 2312898-002I | R6South-20231214 | VOAHCL | Aqueous | 12/14/2023 2:45:00 PM | 3 | Tetrahydrofuran by 8260 only |
| 4 | 2312898-002N | R6South-20231214 | 1LAMGU | Aqueous | 12/14/2023 2:45:00 PM | 2 | 608, 625 See Attached- |

SPECIAL INSTRUCTIONS / COMMENTS:

Include the LAB ID and CLIENT SAMPLE ID on final reports. Email results to Hall.Lab@et.eurofinsus.com. For Questions email Hall.samplecontrol@et.eurofinsus.com. Please return all coolers and blue ice. Thank you.

| | | | | | | |
|--|------------------|---------------|------------------------|----------------|-------------|---|
| Relinquished By: <i>CM</i> | Date: 12/15/2023 | Time: 2:48 PM | Received By: <i>SM</i> | Date: 12/19/23 | Time: 14:44 | <p style="text-align: center;">REPORT TRANSMITTAL DESIRED:</p> <p> <input type="checkbox"/> HARD COPY (extra cost) <input type="checkbox"/> FAX <input type="checkbox"/> EMAIL <input type="checkbox"/> ONLINE </p> <hr/> <p style="text-align: center;">FOR LAB USE ONLY</p> <p>Temp of samples _____ °C Attempt to Cool? _____</p> <p>Comments: _____</p> |
| Relinquished By: | Date: | Time: | Received By: | Date: | Time: | |
| Relinquished By: | Date: | Time: | Received By: | Date: | Time: | |
| <p>TAT: Standard <input checked="" type="checkbox"/> RUSH Next BD <input type="checkbox"/> 2nd BD <input type="checkbox"/> 3rd BD <input type="checkbox"/></p> | | | | | | |

Collaborative Monitoring Cooperative - Analyses List
Attach to Chain of Custody

| Analyte (Bold indicates WQS) | CAS # | Fraction | Method # | MU (ug/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 Kjeldal 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 | 8260C | 7.9 |
| bis(2-Ethylhexyl)phthalate | 117-81-7 | Total | 8270D | 0.2 |
| Dibenzofuran | 132-64-9 | Total | 8270D | 0.2 |
| Indeno(1,2,3-cd)pyrene | 193-39-5 | Total | 8270D | 0.2 |
| Benzo(b)fluoranthene | 205-99-2 | Total | 8270D | 0.1 |
| Benzo(k)fluoranthene | 207-08-9 | Total | 8270D | 0.1 |
| Chrysene | 218-01-9 | Total | 8270D | 0.2 |
| Benzo(a)pyrene | 50-32-8 | Total | 8270D | 0.3 |
| Dibenzo(a,h)anthracene | 53-70-3 | Total | 8270D | 0.3 |
| Benzo(a)anthracene | 56-55-3 | Total | 8270D | 0.2 |
| Dieldrin | 60-57-1 | Total | 8270D | 0.1 |
| Pentachlorophenol | 87-86-5 | Total | 8270D | 0.2 |
| Benzidine | 92-87-5 | Total | 8270D | 0.1 |
| Chemical Oxygen Demand | E1641638² | Total | HACH | 5100 |
| Gross alpha (adjusted) | NA | Total | Method 900 | 0.1 pCi/L |
| Total Dissolved Solids | E1642222² | 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 |
| Exoil | | | SM 9223B | |
| PH | | | SM 4500 | |
| Phosphorus | | Dissolved | 365.1 | 100 |
| Phosphorus | | Total | 365.1 | 100 |
| Chromium IV | | Total | 3500Cr C-2011 | 100 |



Anatek Labs, Inc.

Sample Receipt and Preservation Form

Client Name: Hall

TAT: Normal RUSH: _____ days

Samples Received From: FedEx UPS USPS Client Courier Other: _____

Custody Seal on Cooler/Box: Yes No Custody Seals Intact: Yes No N/A

Number of Coolers/Boxes: 1 Type of Ice: Wet Ice Ice Packs Dry Ice None

Packing Material: Bubble Wrap Bags Foam/Peanuts Paper None Other: _____

Cooler Temp As Read (°C): 3.8 Cooler Temp Corrected (°C): _____ Thermometer Used: 125

Comments:

Samples Received Intact? Yes No N/A
 Chain of Custody Present/Complete? Yes No N/A
 Labels and Chains Agree? Yes No N/A
 Samples Received Within Hold Time? Yes No N/A
 Correct Containers Received? Yes No N/A
 Anatek Bottles Used? Yes No Unknown
 Total Number of Sample Bottles Received: 10

| |
|--|
| |
| |
| |
| |
| |
| |
| |
| |

Packing Material: Bubble
 Samples Properly Preserved? Yes No N/A
If No, record preservation and pH-after details
 VOC Vials Free of Headspace (<6mm)? Yes No N/A
 VOC Trip Blanks Present? Yes No N/A

| | | | |
|-------------|----|--------------|--|
| Initial pH: | | pH Paper ID: | |
| <2 | or | | |
| | | | |
| | | | |

Record preservatives (and lot numbers, if known) for containers below:

GIL-608/625 x 4
444 HCl 8260 by Tetrahydrofuran x 6

Notes, comments, etc. (also use this space if contacting the client - record names and date/time)

Received/Inspected By: SM Date/Time: 12/19/23 14:44

Form F19.01 - Eff 1 Dec 2022

Hall Environmental Analysis Laboratory

Sample Delivery Group: L1689671
Samples Received: 12/19/2023
Project Number:
Description:

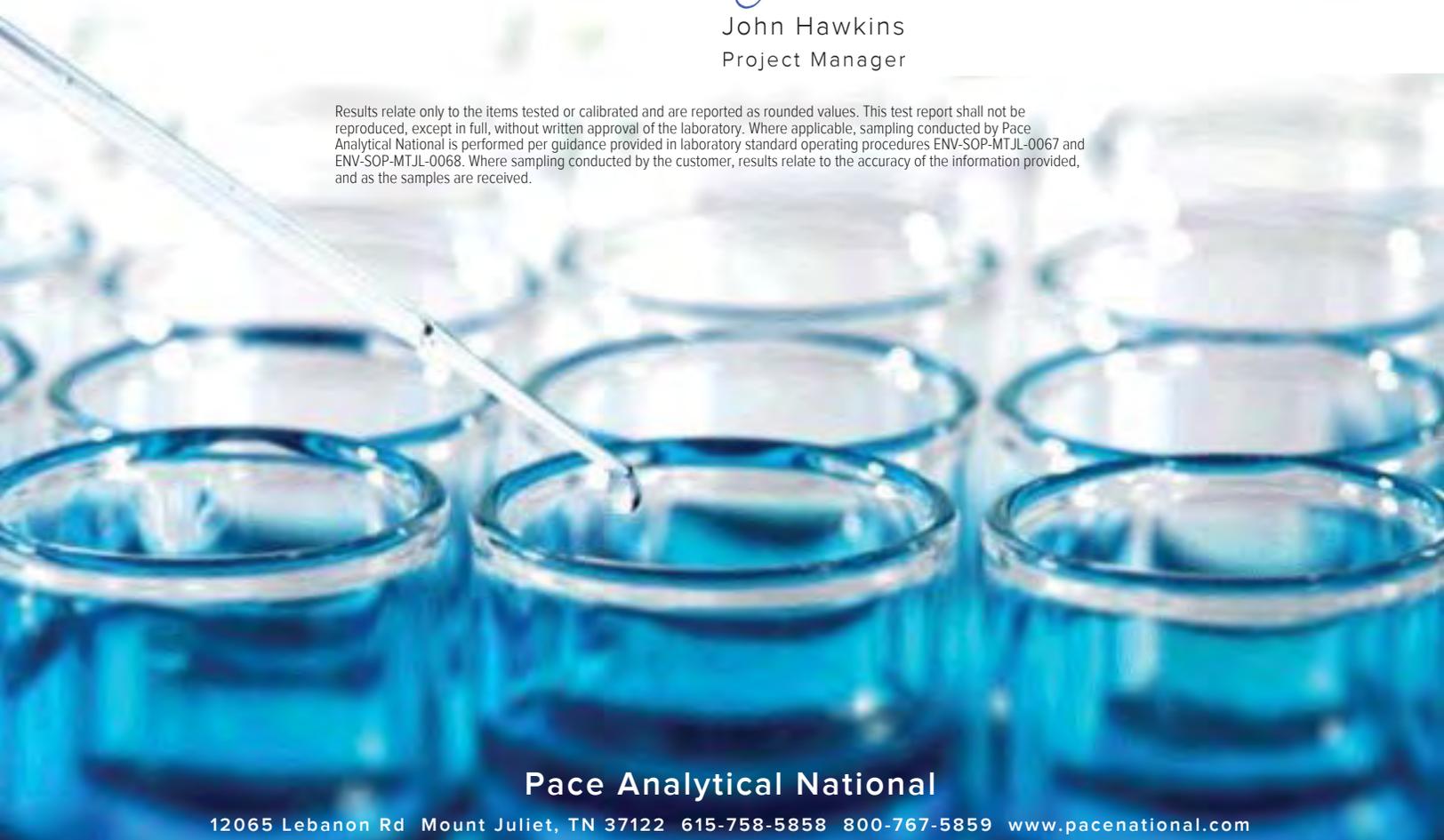
Report To: Andy Freeman
4901 Hawkins NE
Albuquerque, NM 87109

Entire Report Reviewed By:



John Hawkins
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 www.pacenational.com

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| Sr: Sample Results | 5 | ³ Ss |
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| 2312898-002K R6SOUTH-20231214 L1689671-02 | 6 | ⁴ Cn |
| Qc: Quality Control Summary | 7 | ⁵ Sr |
| Wet Chemistry by Method 3500Cr C-2011 | 7 | |
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| Al: Accreditations & Locations | 9 | ⁷ Gl |
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| | | ⁹ Sc |

SAMPLE SUMMARY

2312898-001K R6 NORTH-20231213 L1689671-01 GW

Collected by
Collected date/time
Received date/time

12/13/23 12:00
12/19/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 3500Cr C-2011 | WG2192881 | 1 | 12/27/23 02:50 | 12/27/23 02:50 | SET | Mt. Juliet, TN |

¹Cp

²Tc

³Ss

2312898-002K R6SOUTH-20231214 L1689671-02 GW

Collected by
Collected date/time
Received date/time

12/14/23 14:45
12/19/23 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Wet Chemistry by Method 3500Cr C-2011 | WG2192881 | 1 | 12/27/23 03:01 | 12/27/23 03:01 | SET | Mt. Juliet, TN |

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

CASE NARRATIVE

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.



John Hawkins
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Wet Chemistry by Method 3500Cr C-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Hexavalent Chromium | ND | | 0.000500 | 1 | 12/27/2023 02:50 | WG2192881 |

- ¹Cp
- ²Tc
- ³Ss
- ⁴Cn
- ⁵Sr
- ⁶Qc
- ⁷Gl
- ⁸Al
- ⁹Sc

Wet Chemistry by Method 3500Cr C-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|---------------------|--------|-----------|----------|----------|----------------------|---------------------------|
| Hexavalent Chromium | ND | | 0.000500 | 1 | 12/27/2023 03:01 | WG2192881 |

- ¹Cp
- ²Tc
- ³Ss
- ⁴Cn
- ⁵Sr
- ⁶Qc
- ⁷Gl
- ⁸Al
- ⁹Sc

Method Blank (MB)

(MB) R4016926-1 12/27/23 01:29

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|---------------------|-----------|--------------|----------|----------|
| Hexavalent Chromium | U | | 0.000150 | 0.000500 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1688418-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1688418-02 12/27/23 02:06 • (DUP) R4016926-3 12/27/23 02:17

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------------------|-----------------|------------|----------|---------|---------------|----------------|
| Hexavalent Chromium | 0.00166 | 0.00165 | 1 | 0.871 | | 20 |

L1691175-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1691175-01 12/27/23 04:51 • (DUP) R4016926-5 12/27/23 05:02

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------------------|-----------------|------------|----------|---------|---------------|----------------|
| Hexavalent Chromium | ND | ND | 1 | 0.000 | | 20 |

Laboratory Control Sample (LCS)

(LCS) R4016926-2 12/27/23 01:40

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------------------|--------------|------------|----------|-------------|---------------|
| Hexavalent Chromium | 0.00200 | 0.00201 | 101 | 90.0-110 | |

L1689942-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1689942-01 12/27/23 03:12 • (MS) R4016926-4 12/27/23 03:23

| Analyte | Spike Amount | Original Result | MS Result | MS Rec. | Dilution | Rec. Limits | MS Qualifier |
|---------------------|--------------|-----------------|-----------|---------|----------|-------------|--------------|
| Hexavalent Chromium | 0.0500 | ND | 0.0454 | 90.8 | 1 | 90.0-110 | |

L1691177-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1691177-01 12/27/23 05:35 • (MS) R4016926-6 12/27/23 06:07 • (MSD) R4016926-7 12/27/23 06:18

| Analyte | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD | RPD Limits |
|---------------------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|-------|------------|
| Hexavalent Chromium | 0.0500 | ND | 0.0465 | 0.0463 | 92.9 | 92.6 | 1 | 90.0-110 | | | 0.328 | 20 |

GLOSSARY OF TERMS

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.



ACCREDITATIONS & LOCATIONS

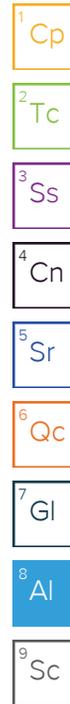
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

| | | | |
|-------------------------------|-------------|-----------------------------|------------------|
| 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 | LA000356 |
| 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.



| | | | |
|---|-------------------------|------------------------------|----------------------------|
| SUB CONTRACTOR: Pace TN | COMPANY: PACE TN | PHONE: (800) 767-5859 | FAX: (615) 758-5859 |
| ADDRESS: 12065 Lebanon Rd | | ACCOUNT #: | EMAIL: A120 |
| CITY, STATE, ZIP: Mt. Juliet, TN 37122 | | | |

| ITEM | SAMPLE | CLIENT SAMPLE ID | BOTTLE TYPE | MATRIX | COLLECTION DATE | # CONTAINERS | ANALYTICAL COMMENTS |
|------|--------------|-------------------|-------------|---------|------------------------|--------------|---------------------|
| 1 | 2312898-001K | R6 North-20231213 | 120mL | Aqueous | 12/13/2023 12:00:00 PM | 1 Cr6 | 21689671 -01 |
| 2 | 2312898-002K | R6South-20231214 | 120mL | Aqueous | 12/14/2023 2:45:00 PM | 1 Cr6 | -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

Sufficient volume sent: Y N

RA screen <0.5 mR/hr: Y N

SPECIAL INSTRUCTIONS / COMMENTS:

Include the LAB ID and CLIENT SAMPLE ID on final reports. Email results to Hall.Lab@et.eurofinsus.com. For Questions email Hall.samplecontrol@et.eurofinsus.com. Please return all coolers and blue ice. Thank you.

| | | | | | | |
|---|------------------|---------------|--------------------------------|----------------|------------|--|
| Relinquished By: <i>CEU</i> | Date: 12/15/2023 | Time: 8:45 AM | Received By: | Date: | Time: | REPORT TRANSMITTAL DESIRED: <input type="checkbox"/> HARDCOPY (extra cost) <input type="checkbox"/> FAX <input type="checkbox"/> EMAIL <input type="checkbox"/> ONLINE FOR LAB USE ONLY m398 2.740-2.4 Attempt to Cool? _____ Temp of samples 66ms 400g 9561 Comments: |
| Relinquished By: | Date: | Time: | Received By: | Date: | Time: | |
| Relinquished By: | Date: | Time: | Received By: <i>Port Kelly</i> | Date: 12-19-23 | Time: 9:00 | |
| TAT: Standard <input checked="" type="checkbox"/> RUSH Next BD <input type="checkbox"/> 2nd BD <input type="checkbox"/> 3rd BD <input type="checkbox"/> | | | | | | |

ANALYTICAL REPORT

PREPARED FOR

Attn: Data Submittal
EET South Central Hall Environmental Analysis Laboratory
4901 Hawkins NE
Suite D
Albuquerque, New Mexico 87109

Generated 1/18/2024 3:40:00 PM

JOB DESCRIPTION

2312898
2312898

JOB NUMBER

160-52632-1

Eurofins St. Louis

Job Notes

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

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

Authorization



Generated
1/18/2024 3:40:00 PM

Authorized for release by
Erika Jordan, Project Manager
erika.jordan@et.eurofinsus.com
(314)298-8566



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| Method Summary | 9 |
| Sample Summary | 10 |
| Client Sample Results | 11 |
| QC Sample Results | 12 |
| QC Association Summary | 13 |

Case Narrative

Client: EET South Central Hall Environmental Analysis Laboratory
Project: 2312898

Job ID: 160-52632-1

Job ID: 160-52632-1

Eurofins St. Louis

CASE NARRATIVE

Client: Hall Environmental Analysis Laboratory

Project: 2312898

Report Number: 160-52632-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

Eurofins Environment Testing attests to the validity of the laboratory data generated by Eurofins facilities reported herein. All analyses performed by Eurofins Environment Testing facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins Environment Testing's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Proper preservation was noted for the methods performed on these samples, unless otherwise detailed below.

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

The matrix for the Method Blank and LCS/LCSD is as close to the samples as can be reasonably achieved. Detailed information can be found in the most current revision of the associated SOP.

The method blank (MB) z-score is within limits, unless stated otherwise below.

Matrix QC may not be reported if insufficient sample 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.

Reference the chain of custody and receipt report for any variations on receipt conditions.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

Receipt

The samples were received on 12/19/2023 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperature of the cooler at receipt time was 5.6°C

Method 200.8 - Metals (ICP/MS)

Samples 2312898-001M/ R6 North-20231213 (52632-1) and 2312898-002M/ R6 South-20231214 (52632-2) were analyzed for Metals (ICP/MS). The samples were prepared on 12/20/2023 and analyzed on 12/21/2023.

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

Method 900.0 - Gross Alpha and Gross Beta Radioactivity

Samples 2312898-001M/ R6 North-20231213 (52632-1) and 2312898-002M/ R6 South-20231214 (52632-2) were analyzed for Gross Alpha and Gross Beta Radioactivity. The samples were prepared on 12/21/2023 and analyzed on 1/12/2024.

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

Method Gross Alpha Adj - Gross Alpha Adjusted

Eurofins St. Louis

Case Narrative

Client: EET South Central Hall Environmental Analysis Laboratory
Project: 2312898

Job ID: 160-52632-1

Job ID: 160-52632-1 (Continued)

Eurofins St. Louis

Samples 2312898-001M/ R6 North-20231213 (52632-1) and 2312898-002M/ R6 South-20231214 (52632-2) were analyzed for Gross Alpha Adjusted. The samples were prepared on 12/20/2023 and analyzed on 12/21/2023 and 1/12/2024.

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

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|------------------|--------------------------------|---------|-----------------------------|-----------|-----------------------|-----|-----------------------|
| SUB CONTRACTOR | Eurofins St. Louis | COMPANY | Eurofins TestAmerica | PHONE | (314) 298-8566 | FAX | (314) 298-8757 |
| ADDRESS | 13715 Rider Trail North | | | ACCOUNT # | EMAIL | | |
| CITY, STATE, ZIP | Earth City, MO 63045 | | | | | | |

| ITEM | SAMPLE | CLIENT SAMPLE ID | BOTTLE TYPE | MATRIX | COLLECTION DATE | # CONTAINERS | ANALYTICAL COMMENTS |
|------|--------------|-------------------|-------------|---------|------------------------|--------------|--|
| 1 | 2312898-001M | R6 North-20231213 | 1LHDPEHNO | Aqueous | 12/13/2023 12:00:00 PM | 2 | Adjusted Gross Alpha -Pease Apply ICO Pricing- |
| 2 | 2312898-002M | R6South-20231214 | 1LHDPEHNO | Aqueous | 12/14/2023 2:45:00 PM | 2 | Adjusted Gross Alpha -Pease Apply ICO Pricing- |



SPECIAL INSTRUCTIONS / COMMENTS:

Include the LAB ID and CLIENT SAMPLE ID on final reports. Email results to Hall.Lab@et.eurofinsus.com. For Questions email Hall.samplecontrol@et.eurofinsus.com. Please return all coolers and blue ice. Thank you.

| | | | | | | | | | | | | |
|--|-----------|------|------------|------|---------|-------------|--------------------|------|----------|------|------|--|
| Relinquished By | <i>CU</i> | Date | 12/15/2023 | Time | 2:49 PM | Received By | <i>[Signature]</i> | Date | 12/19/23 | Time | 0950 | REPORT TRANSMITTAL DESIRED: <input type="checkbox"/> HARD COPY (extra cost) <input type="checkbox"/> FAX <input type="checkbox"/> EMAIL <input type="checkbox"/> ONLINE FOR LAB USE ONLY Temp of samples _____ °C Attempt to Cool? _____ Comments _____ |
| Relinquished By | | Date | | Time | | Received By | | Date | | Time | | |
| Relinquished By | | Date | | Time | | Received By | | Date | | Time | | |
| TAT: Standard <input type="checkbox"/> RUSH Next BD <input type="checkbox"/> 2nd BD <input type="checkbox"/> 3rd BD <input type="checkbox"/> | | | | | | | | | | | | |



Login Sample Receipt Checklist

Client: EET South Central Hall Environmental Analysis Laboratory

Job Number: 160-52632-1

SDG Number: 2312898

Login Number: 52632

List Number: 1

Creator: Thornley, Richard W

List Source: Eurofins St. Louis

| Question | Answer | Comment |
|---|--------|---------|
| Radioactivity wasn't checked or is \leq 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 <math><6\text{mm}</math> (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |



Definitions/Glossary

Client: EET South Central Hall Environmental Analysis Laboratory
Project/Site: 2312898

Job ID: 160-52632-1
SDG: 2312898

Qualifiers

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. |
|----------------|---|
| α | 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 |

Method Summary

Client: EET South Central Hall Environmental Analysis Laboratory
Project/Site: 2312898

Job ID: 160-52632-1
SDG: 2312898

| Method | Method Description | Protocol | Laboratory |
|-----------------|--|----------|------------|
| 200.8 | Metals (ICP/MS) | EPA | EET SL |
| 900.0 | Gross Alpha and Gross Beta Radioactivity | EPA | EET SL |
| Gross Alpha Adj | Gross Alpha Adjusted | SM | EET SL |
| 200.7/200.8 | Preparation, Metals | EPA | EET SL |
| Evaporation | Preparation, Evaporation | None | EET SL |

Protocol References:

- EPA = US Environmental Protection Agency
- None = None
- SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566



Sample Summary

Client: EET South Central Hall Environmental Analysis Laboratory
Project/Site: 2312898

Job ID: 160-52632-1
SDG: 2312898

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|---------------------------------|--------|----------------|----------------|
| 160-52632-1 | 2312898-001M/ R6 North-20231213 | Water | 12/13/23 12:00 | 12/19/23 09:30 |
| 160-52632-2 | 2312898-002M/ R6 South-20231214 | Water | 12/14/23 14:45 | 12/19/23 09:30 |

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Client Sample Results

Client: EET South Central Hall Environmental Analysis Laboratory
 Project/Site: 2312898

Job ID: 160-52632-1
 SDG: 2312898

Client Sample ID: 2312898-001M/ R6 North-20231213

Lab Sample ID: 160-52632-1

Date Collected: 12/13/23 12:00

Matrix: Water

Date Received: 12/19/23 09:30

Method: EPA 200.8 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| Uranium | 2.0 | | 1.0 | 0.15 | ug/L | | 12/20/23 13:07 | 12/21/23 18:29 | 2 |

Method: EPA 900.0 - Gross Alpha and Gross Beta Radioactivity

| Analyte | Result | Qualifier | Count | Total | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|-------------|--------|-----------|--------------------|--------------------|------|------|-------|----------------|----------------|---------|
| | | | Uncert. (2σ+/-) | Uncert. (2σ+/-) | | | | | | |
| Gross Alpha | 3.56 | | 1.67 | 1.72 | 3.00 | 2.17 | pCi/L | 12/21/23 09:43 | 01/12/24 07:28 | 1 |

Method: SM Gross Alpha Adj - Gross Alpha Adjusted

| Analyte | Result | Qualifier | Count | Total | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|--------------------|--------------------|------|------|-------|----------|----------------|---------|
| | | | Uncert. (2σ+/-) | Uncert. (2σ+/-) | | | | | | |
| Adjusted Gross Alpha | 2.25 | | 1.67 | 1.72 | 3.00 | 2.17 | pCi/L | | 01/12/24 07:28 | 1 |

Client Sample ID: 2312898-002M/ R6 South-20231214

Lab Sample ID: 160-52632-2

Date Collected: 12/14/23 14:45

Matrix: Water

Date Received: 12/19/23 09:30

Method: EPA 200.8 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| Uranium | 2.3 | | 1.0 | 0.15 | ug/L | | 12/20/23 13:07 | 12/21/23 18:43 | 2 |

Method: EPA 900.0 - Gross Alpha and Gross Beta Radioactivity

| Analyte | Result | Qualifier | Count | Total | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|-------------|--------|-----------|--------------------|--------------------|------|------|-------|----------------|----------------|---------|
| | | | Uncert. (2σ+/-) | Uncert. (2σ+/-) | | | | | | |
| Gross Alpha | 2.48 | | 1.38 | 1.40 | 3.00 | 1.88 | pCi/L | 12/21/23 09:43 | 01/12/24 07:29 | 1 |

Method: SM Gross Alpha Adj - Gross Alpha Adjusted

| Analyte | Result | Qualifier | Count | Total | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|--------------------|--------------------|------|------|-------|----------|----------------|---------|
| | | | Uncert. (2σ+/-) | Uncert. (2σ+/-) | | | | | | |
| Adjusted Gross Alpha | 0.945 | U | 1.39 | 1.43 | 3.00 | 1.88 | pCi/L | | 01/12/24 07:29 | 1 |

QC Sample Results

Client: EET South Central Hall Environmental Analysis Laboratory
 Project/Site: 2312898

Job ID: 160-52632-1
 SDG: 2312898

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 160-641644/1-A
 Matrix: Water
 Analysis Batch: 641944

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 641644

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-----|------|------|---|----------------|----------------|---------|
| Uranium | ND | | 1.0 | 0.15 | ug/L | | 12/20/23 13:07 | 12/21/23 18:01 | 2 |

Lab Sample ID: LCS 160-641644/2-A
 Matrix: Water
 Analysis Batch: 641944

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 641644

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| Uranium | 1000 | 1080 | | ug/L | | 108 | 85 - 115 |

Lab Sample ID: 160-52632-1 MS
 Matrix: Water
 Analysis Batch: 641944

Client Sample ID: 2312898-001M/ R6 North-20231213
 Prep Type: Total/NA
 Prep Batch: 641644

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Uranium | 2.0 | | 1000 | 1070 | | ug/L | | 107 | 70 - 130 |

Lab Sample ID: 160-52632-1 MSD
 Matrix: Water
 Analysis Batch: 641944

Client Sample ID: 2312898-001M/ R6 North-20231213
 Prep Type: Total/NA
 Prep Batch: 641644

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-------|
| Uranium | 2.0 | | 1000 | 1070 | | ug/L | | 107 | 70 - 130 | 0 | 20 |

Method: 900.0 - Gross Alpha and Gross Beta Radioactivity

Lab Sample ID: MB 160-641799/1-A
 Matrix: Water
 Analysis Batch: 643779

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 641799

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|-------------|-----------|--------------|-----------------------|-----------------------|------|------|-------|----------------|----------------|---------|
| Gross Alpha | -0.09837 | U | 0.637 | 0.637 | 3.00 | 1.24 | pCi/L | 12/21/23 09:43 | 01/10/24 07:42 | 1 |

Lab Sample ID: LCS 160-641799/2-A
 Matrix: Water
 Analysis Batch: 643779

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 641799

| Analyte | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits |
|-------------|-------------|------------|----------|-----------------------|------|------|-------|------|-------------|
| Gross Alpha | 49.3 | 53.21 | | 7.79 | 3.00 | 2.08 | pCi/L | 108 | 75 - 125 |

QC Association Summary

Client: EET South Central Hall Environmental Analysis Laboratory
Project/Site: 2312898

Job ID: 160-52632-1
SDG: 2312898

Metals

Prep Batch: 641644

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|---------------------------------|-----------|--------|-------------|------------|
| 160-52632-1 | 2312898-001M/ R6 North-20231213 | Total/NA | Water | 200.7/200.8 | |
| 160-52632-2 | 2312898-002M/ R6 South-20231214 | Total/NA | Water | 200.7/200.8 | |
| MB 160-641644/1-A | Method Blank | Total/NA | Water | 200.7/200.8 | |
| LCS 160-641644/2-A | Lab Control Sample | Total/NA | Water | 200.7/200.8 | |
| 160-52632-1 MS | 2312898-001M/ R6 North-20231213 | Total/NA | Water | 200.7/200.8 | |
| 160-52632-1 MSD | 2312898-001M/ R6 North-20231213 | Total/NA | Water | 200.7/200.8 | |

Analysis Batch: 641944

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|---------------------------------|-----------|--------|--------|------------|
| 160-52632-1 | 2312898-001M/ R6 North-20231213 | Total/NA | Water | 200.8 | 641644 |
| 160-52632-2 | 2312898-002M/ R6 South-20231214 | Total/NA | Water | 200.8 | 641644 |
| MB 160-641644/1-A | Method Blank | Total/NA | Water | 200.8 | 641644 |
| LCS 160-641644/2-A | Lab Control Sample | Total/NA | Water | 200.8 | 641644 |
| 160-52632-1 MS | 2312898-001M/ R6 North-20231213 | Total/NA | Water | 200.8 | 641644 |
| 160-52632-1 MSD | 2312898-001M/ R6 North-20231213 | Total/NA | Water | 200.8 | 641644 |

Rad

Prep Batch: 641799

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|---------------------------------|-----------|--------|-------------|------------|
| 160-52632-1 | 2312898-001M/ R6 North-20231213 | Total/NA | Water | Evaporation | |
| 160-52632-2 | 2312898-002M/ R6 South-20231214 | Total/NA | Water | Evaporation | |
| MB 160-641799/1-A | Method Blank | Total/NA | Water | Evaporation | |
| LCS 160-641799/2-A | Lab Control Sample | Total/NA | Water | Evaporation | |

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ANALYTICAL REPORT

PREPARED FOR

Attn: Reporting Albuquerque
Eurofins Environment Testing South Central LLC
4901 Hawkins NE
Albuquerque, New Mexico 87109

Generated 1/25/2024 10:58:43 AM

JOB DESCRIPTION

2312898

JOB NUMBER

320-108192-1

Eurofins Sacramento

Job Notes

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

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

Authorization



Generated
1/25/2024 10:58:43 AM

Authorized for release by
Justinn Gonzales, Project Manager I
Justinn.Gonzales@et.eurofinsus.com
(916)374-4344



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Definitions/Glossary

Client: Eurofins Environment Testing South Central LLC
Project/Site: 2312898

Job ID: 320-108192-1

Qualifiers

Dioxin

| Qualifier | Qualifier Description |
|-----------|---|
| *5- | Isotope dilution analyte is outside acceptance limits, low biased. |
| G | The reported quantitation limit has been raised due to an exhibited elevated noise or matrix interference |
| 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. |

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 |

Case Narrative

Client: Eurofins Environment Testing South Central LLC
Project: 2312898

Job ID: 320-108192-1

Job ID: 320-108192-1

Eurofins Sacramento

Job Narrative 320-108192-1

Receipt

The samples were received on 12/19/2023 9:30 AM. 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 was 0.8° C.

Dioxin

Methods 1668A: Ion abundance ratios are outside criteria for the Isotope Dilution Analyte (IDA) associated with the following samples: 2312898-001 - R6 North-20231213 (320-108192-1) and 2312898-002 - R6South-20231214 (320-108192-2). The theoretical area for the IDA was used to quantitate recovery and target concentration.

Methods 1668A: The ion abundance ratio is outside criteria for the Internal Standard PCB-9L associated with the following sample: 2312898-002 - R6South-20231214 (320-108192-2). The theoretical area for the Internal Standard was used to quantitate the related Isotope Dilution Analytes (IDA) recoveries.

Method 1668A: The Isotope Dilution Analyte (IDA) recovery associated with the following samples is below the method recommended limit: 2312898-001 - R6 North-20231213 (320-108192-1) and 2312898-002 - R6South-20231214 (320-108192-2). Generally, data quality is not considered affected if the IDA signal-to-noise ratio is greater than 10:1, which is achieved for all IDA in the samples.

Method 1668A: Ion abundance ratios are outside criteria for the surrogate (SU) associated with the following samples: 2312898-002 - R6South-20231214 (320-108192-2). The theoretical area for the SU was used to quantitate recovery.

Method 1668A: The following sample exhibited elevated noise or matrix interferences for one or more analytes causing elevation of the detection limit (EDL): 2312898-002 - R6South-20231214 (320-108192-2). The reporting limit (RL) for the affected analytes has been raised to be equal to the EDL, and a "G" qualifier applied.

Method 1668A: The Isotope Dilution Analyte (IDA) recovery associated with the following sample is below the method recommended limit: 2312898-001 - R6 North-20231213 (320-108192-1). Generally, data quality is not considered affected if the IDA signal-to-noise ratio is greater than 10:1, which is achieved for all IDA in the sample.

Method 1668A: Ion abundance ratios are outside criteria for the Isotope Dilution Analyte (IDA) associated with the following sample: 2312898-002 - R6South-20231214 (320-108192-2). 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.

Dioxin Prep

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

Eurofins Sacramento

Detection Summary

Client: Eurofins Environment Testing South Central LLC
Project/Site: 2312898

Job ID: 320-108192-1

Client Sample ID: 2312898-001 - R6 North-20231213

Lab Sample ID: 320-108192-1

No Detections.

Client Sample ID: 2312898-002 - R6South-20231214

Lab Sample ID: 320-108192-2

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil | Fac | D | Method | Prep Type |
|---------|--------|-----------|-----|------|------|-----|-----|---|--------|-----------|
| PCB-44 | 17 | J | 120 | 2.2 | pg/L | 1 | | | 1668A | Total/NA |
| PCB-47 | 17 | J | 120 | 2.2 | pg/L | 1 | | | 1668A | Total/NA |
| PCB-49 | 3.8 | J q | 42 | 2.0 | pg/L | 1 | | | 1668A | Total/NA |
| PCB-52 | 14 | J | 100 | 2.3 | pg/L | 1 | | | 1668A | Total/NA |
| PCB-65 | 17 | J | 120 | 2.2 | pg/L | 1 | | | 1668A | Total/NA |
| PCB-69 | 3.8 | J q | 42 | 2.0 | pg/L | 1 | | | 1668A | Total/NA |
| PCB-85 | 12 | J q | 62 | 1.2 | pg/L | 1 | | | 1668A | Total/NA |
| PCB-90 | 11 | J q | 120 | 1.5 | pg/L | 1 | | | 1668A | Total/NA |
| PCB-95 | 12 | J | 100 | 1.7 | pg/L | 1 | | | 1668A | Total/NA |
| PCB-101 | 11 | J q | 120 | 1.5 | pg/L | 1 | | | 1668A | Total/NA |
| PCB-113 | 11 | J q | 120 | 1.5 | pg/L | 1 | | | 1668A | Total/NA |
| PCB-116 | 12 | J q | 62 | 1.2 | pg/L | 1 | | | 1668A | Total/NA |
| PCB-117 | 12 | J q | 62 | 1.2 | pg/L | 1 | | | 1668A | Total/NA |
| PCB-118 | 9.2 | J q | 42 | 1.2 | pg/L | 1 | | | 1668A | Total/NA |
| PCB-129 | 14 | J q | 62 | 0.99 | pg/L | 1 | | | 1668A | Total/NA |
| PCB-138 | 14 | J q | 62 | 0.99 | pg/L | 1 | | | 1668A | Total/NA |
| PCB-147 | 14 | J q | 42 | 1.0 | pg/L | 1 | | | 1668A | Total/NA |
| PCB-149 | 14 | J q | 42 | 1.0 | pg/L | 1 | | | 1668A | Total/NA |
| PCB-153 | 11 | J | 42 | 0.80 | pg/L | 1 | | | 1668A | Total/NA |
| PCB-160 | 14 | J q | 21 | 0.99 | pg/L | 1 | | | 1668A | Total/NA |
| PCB-163 | 14 | J q | 62 | 0.99 | pg/L | 1 | | | 1668A | Total/NA |
| PCB-168 | 11 | J | 42 | 0.80 | pg/L | 1 | | | 1668A | Total/NA |
| PCB-180 | 11 | J q | 42 | 1.7 | pg/L | 1 | | | 1668A | Total/NA |
| PCB-193 | 11 | J q | 42 | 1.7 | pg/L | 1 | | | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

Client Sample Results

Client: Eurofins Environment Testing South Central LLC
 Project/Site: 2312898

Job ID: 320-108192-1

Client Sample ID: 2312898-001 - R6 North-20231213

Lab Sample ID: 320-108192-1

Date Collected: 12/13/23 12:00

Matrix: Water

Date Received: 12/19/23 09:30

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

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| PCB-1 | ND | | 98 | 1.5 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-2 | ND | | 98 | 1.5 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-3 | ND | | 150 | 1.6 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-4 | ND | | 98 | 13 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-5 | ND | | 20 | 15 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-6 | ND | | 20 | 14 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-7 | ND | | 39 | 15 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-8 | ND | | 39 | 14 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-9 | ND | | 39 | 15 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-10 | ND | | 39 | 8.1 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-11 | ND | | 150 | 16 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-12 | ND | | 200 | 16 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-13 | ND | | 200 | 16 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-14 | ND | | 39 | 16 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-15 | ND | | 98 | 12 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-16 | ND | | 39 | 6.6 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-17 | ND | | 39 | 6.3 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-18 | ND | | 39 | 4.5 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-19 | ND | | 39 | 6.9 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-20 | ND | | 79 | 4.3 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-21 | ND | | 39 | 4.8 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-22 | ND | | 20 | 4.3 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-23 | ND | | 39 | 4.7 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-24 | ND | | 20 | 4.8 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-25 | ND | | 20 | 3.8 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-26 | ND | | 79 | 4.5 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-27 | ND | | 20 | 4.3 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-28 | ND | | 79 | 4.3 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-29 | ND | | 79 | 4.5 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-30 | ND | | 39 | 4.5 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-31 | ND | | 98 | 4.6 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-32 | ND | | 20 | 4.3 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-33 | ND | | 39 | 4.8 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-34 | ND | | 20 | 4.5 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-35 | ND | | 39 | 4.4 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-36 | ND | | 20 | 4.6 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-37 | ND | | 20 | 4.4 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-38 | ND | | 20 | 4.9 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-39 | ND | | 39 | 4.5 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-40 | ND | | 39 | 2.0 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-41 | ND | | 39 | 2.9 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-42 | ND | | 39 | 2.2 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-43 | ND | | 20 | 2.1 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-44 | ND | | 120 | 1.9 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-45 | ND | | 39 | 2.3 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-46 | ND | | 20 | 2.7 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-47 | ND | | 120 | 1.9 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-48 | ND | | 20 | 2.3 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-49 | ND | | 39 | 1.8 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |

Client Sample Results

Client: Eurofins Environment Testing South Central LLC
 Project/Site: 2312898

Job ID: 320-108192-1

Client Sample ID: 2312898-001 - R6 North-20231213

Lab Sample ID: 320-108192-1

Date Collected: 12/13/23 12:00

Matrix: Water

Date Received: 12/19/23 09:30

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

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| PCB-50 | ND | | 39 | 2.2 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-51 | ND | | 39 | 2.3 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-52 | ND | | 98 | 2.0 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-53 | ND | | 39 | 2.2 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-54 | ND | | 39 | 1.7 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-55 | ND | | 39 | 1.8 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-56 | ND | | 20 | 2.0 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-57 | ND | | 20 | 2.2 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-58 | ND | | 20 | 1.9 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-59 | ND | | 59 | 1.7 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-60 | ND | | 39 | 2.2 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-61 | ND | | 160 | 2.0 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-62 | ND | | 59 | 1.7 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-63 | ND | | 39 | 2.2 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-64 | ND | | 39 | 1.7 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-65 | ND | | 120 | 1.9 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-66 | ND | | 39 | 1.9 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-67 | ND | | 20 | 1.8 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-68 | ND | | 39 | 2.0 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-69 | ND | | 39 | 1.8 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-70 | ND | | 160 | 2.0 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-71 | ND | | 39 | 2.0 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-72 | ND | | 20 | 2.1 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-73 | ND | | 20 | 1.6 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-74 | ND | | 160 | 2.0 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-75 | ND | | 59 | 1.7 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-76 | ND | | 160 | 2.0 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-77 | ND | | 20 | 2.2 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-78 | ND | | 20 | 2.2 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-79 | ND | | 39 | 1.9 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-80 | ND | | 39 | 1.8 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-81 | ND | | 20 | 2.5 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-82 | ND | | 20 | 1.5 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-83 | ND | | 20 | 1.4 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-84 | ND | | 39 | 1.7 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-85 | ND | | 59 | 1.1 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-86 | ND | | 120 | 1.2 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-87 | ND | | 120 | 1.2 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-88 | ND | | 39 | 1.6 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-89 | ND | | 39 | 1.6 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-90 | ND | | 120 | 1.3 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-91 | ND | | 39 | 1.6 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-92 | ND | | 39 | 1.4 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-93 | ND | | 79 | 1.4 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-94 | ND | | 39 | 1.7 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-95 | ND | | 98 | 1.6 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-96 | ND | | 20 | 0.71 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-97 | ND | | 120 | 1.2 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-98 | ND | | 39 | 1.6 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |

Client Sample Results

Client: Eurofins Environment Testing South Central LLC
 Project/Site: 2312898

Job ID: 320-108192-1

Client Sample ID: 2312898-001 - R6 North-20231213

Lab Sample ID: 320-108192-1

Date Collected: 12/13/23 12:00

Matrix: Water

Date Received: 12/19/23 09:30

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

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| PCB-99 | ND | | 39 | 1.4 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-100 | ND | | 79 | 1.4 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-101 | ND | | 120 | 1.3 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-102 | ND | | 39 | 1.6 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-103 | ND | | 39 | 1.4 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-104 | ND | | 39 | 0.79 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-105 | ND | | 39 | 1.1 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-106 | ND | | 39 | 1.4 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-107 | ND | | 39 | 0.92 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-108 | ND | | 120 | 1.2 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-109 | ND | | 20 | 1.2 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-110 | ND | | 39 | 1.2 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-111 | ND | | 39 | 1.1 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-112 | ND | | 20 | 1.0 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-113 | ND | | 120 | 1.3 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-114 | ND | | 39 | 1.2 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-115 | ND | | 39 | 1.2 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-116 | ND | | 59 | 1.1 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-117 | ND | | 59 | 1.1 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-118 | ND | | 39 | 1.2 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-119 | ND | | 120 | 1.2 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-120 | ND | | 20 | 0.94 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-121 | ND | | 20 | 0.99 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-122 | ND | | 39 | 1.3 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-123 | ND | | 39 | 1.2 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-124 | ND | | 39 | 1.2 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-125 | ND | | 120 | 1.2 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-126 | ND | | 20 | 1.2 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-127 | ND | | 20 | 1.1 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-128 | ND | | 79 | 1.0 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-129 | ND | | 59 | 1.0 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-130 | ND | | 20 | 1.4 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-131 | ND | | 20 | 1.3 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-132 | ND | | 20 | 1.3 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-133 | ND | | 20 | 1.2 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-134 | ND | | 39 | 1.2 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-135 | ND | | 39 | 1.1 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-136 | ND | | 20 | 0.86 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-137 | ND | | 20 | 0.86 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-138 | ND | | 59 | 1.0 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-139 | ND | | 39 | 1.1 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-140 | ND | | 39 | 1.1 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-141 | ND | | 20 | 1.5 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-142 | ND | | 20 | 1.3 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-143 | ND | | 39 | 1.2 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-144 | ND | | 20 | 1.0 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-145 | ND | | 20 | 0.91 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-146 | ND | | 20 | 0.83 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-147 | ND | | 39 | 1.1 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |

Client Sample Results

Client: Eurofins Environment Testing South Central LLC
Project/Site: 2312898

Job ID: 320-108192-1

Client Sample ID: 2312898-001 - R6 North-20231213

Lab Sample ID: 320-108192-1

Date Collected: 12/13/23 12:00

Matrix: Water

Date Received: 12/19/23 09:30

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

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|----|------|------|---|----------------|----------------|---------|
| PCB-148 | ND | | 20 | 1.1 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-149 | ND | | 39 | 1.1 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-150 | ND | | 20 | 0.86 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-151 | ND | | 39 | 1.1 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-152 | ND | | 20 | 0.89 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-153 | ND | | 39 | 0.83 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-154 | ND | | 20 | 1.1 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-155 | ND | | 20 | 1.3 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-156 | ND | | 39 | 1.2 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-157 | ND | | 39 | 1.2 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-158 | ND | | 20 | 0.85 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-159 | ND | | 20 | 1.0 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-160 | ND | | 20 | 1.0 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-161 | ND | | 20 | 1.1 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-162 | ND | | 39 | 1.1 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-163 | ND | | 59 | 1.0 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-164 | ND | | 20 | 1.4 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-165 | ND | | 20 | 0.94 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-166 | ND | | 79 | 1.0 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-167 | ND | | 39 | 1.0 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-168 | ND | | 39 | 0.83 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-169 | ND | | 20 | 1.0 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-170 | ND | | 39 | 3.0 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-171 | ND | | 39 | 2.9 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-172 | ND | | 20 | 3.1 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-173 | ND | | 39 | 2.9 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-174 | ND | | 20 | 3.3 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-175 | ND | | 20 | 1.8 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-176 | ND | | 20 | 1.5 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-177 | ND | | 20 | 2.6 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-178 | ND | | 20 | 2.0 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-179 | ND | | 20 | 1.3 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-180 | ND | | 39 | 2.4 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-181 | ND | | 20 | 2.7 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-182 | ND | | 20 | 1.9 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-183 | ND | | 20 | 2.0 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-184 | ND | | 20 | 1.3 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-185 | ND | | 39 | 3.4 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-186 | ND | | 20 | 1.2 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-187 | ND | | 20 | 1.5 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-188 | ND | | 20 | 1.7 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-189 | ND | | 20 | 1.7 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-190 | ND | | 20 | 2.0 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-191 | ND | | 39 | 2.1 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-192 | ND | | 20 | 2.0 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-193 | ND | | 39 | 2.4 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-194 | ND | | 39 | 2.5 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-195 | ND | | 20 | 2.5 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-196 | ND | | 20 | 2.1 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |

Client Sample Results

Client: Eurofins Environment Testing South Central LLC
 Project/Site: 2312898

Job ID: 320-108192-1

Client Sample ID: 2312898-001 - R6 North-20231213

Lab Sample ID: 320-108192-1

Date Collected: 12/13/23 12:00

Matrix: Water

Date Received: 12/19/23 09:30

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

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|----|-----|------|---|----------------|----------------|---------|
| PCB-197 | ND | | 20 | 1.3 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-198 | ND | | 39 | 1.9 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-199 | ND | | 39 | 1.9 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-200 | ND | | 20 | 2.2 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-201 | ND | | 20 | 1.6 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-202 | ND | | 20 | 1.6 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-203 | ND | | 20 | 2.0 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-204 | ND | | 20 | 1.5 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-205 | ND | | 20 | 2.1 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-206 | ND | | 39 | 4.2 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-207 | ND | | 20 | 3.4 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-208 | ND | | 20 | 3.5 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-209 | ND | | 39 | 1.4 | pg/L | | 01/10/24 07:52 | 01/19/24 18:05 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| PCB-1L | 51 | | 15 - 150 | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-3L | 51 | | 15 - 150 | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-4L | 42 | | 25 - 150 | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-15L | 48 | | 25 - 150 | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-19L | 45 | | 25 - 150 | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-37L | 55 | | 25 - 150 | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-54L | 29 | | 25 - 150 | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-77L | 55 | | 25 - 150 | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-81L | 53 | | 25 - 150 | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-104L | 31 | | 25 - 150 | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-105L | 55 | | 25 - 150 | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-114L | 56 | | 25 - 150 | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-118L | 55 | | 25 - 150 | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-123L | 57 | | 25 - 150 | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-126L | 56 | | 25 - 150 | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-155L | 50 | | 25 - 150 | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-156L | 99 | | 25 - 150 | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-156L/157L | 99 | | 25 - 150 | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-157L | 99 | | 25 - 150 | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-167L | 98 | | 25 - 150 | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-169L | 103 | | 25 - 150 | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-188L | 24 | *5- | 25 - 150 | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-189L | 54 | | 25 - 150 | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-202L | 43 | | 25 - 150 | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-205L | 66 | | 25 - 150 | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-206L | 60 | | 25 - 150 | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-208L | 54 | | 25 - 150 | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-209L | 46 | | 25 - 150 | 01/10/24 07:52 | 01/19/24 18:05 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------|-----------|-----------|----------|----------------|----------------|---------|
| PCB-28L | 79 | | 30 - 135 | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-111L | 86 | | 30 - 135 | 01/10/24 07:52 | 01/19/24 18:05 | 1 |
| PCB-178L | 67 | | 30 - 135 | 01/10/24 07:52 | 01/19/24 18:05 | 1 |

Client Sample Results

Client: Eurofins Environment Testing South Central LLC
 Project/Site: 2312898

Job ID: 320-108192-1

Client Sample ID: 2312898-002 - R6South-20231214

Lab Sample ID: 320-108192-2

Date Collected: 12/14/23 14:45

Matrix: Water

Date Received: 12/19/23 09:30

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

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------|------------|------------|-----|-----|------|---|----------------|----------------|---------|
| PCB-1 | ND | | 100 | 1.3 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-2 | ND | | 100 | 1.3 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-3 | ND | | 160 | 1.4 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-4 | ND | | 100 | 9.5 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-5 | ND | G | 22 | 22 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-6 | ND | | 21 | 20 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-7 | ND | | 42 | 22 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-8 | ND | | 42 | 20 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-9 | ND | | 42 | 22 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-10 | ND | | 42 | 6.4 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-11 | ND | | 160 | 23 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-12 | ND | | 210 | 23 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-13 | ND | | 210 | 23 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-14 | ND | | 42 | 23 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-15 | ND | | 100 | 18 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-16 | ND | | 42 | 6.4 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-17 | ND | | 42 | 6.0 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-18 | ND | | 42 | 4.3 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-19 | ND | | 42 | 6.4 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-20 | ND | | 83 | 4.8 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-21 | ND | | 42 | 5.3 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-22 | ND | | 21 | 4.9 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-23 | ND | | 42 | 5.3 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-24 | ND | | 21 | 4.6 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-25 | ND | | 21 | 4.3 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-26 | ND | | 83 | 5.0 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-27 | ND | | 21 | 4.1 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-28 | ND | | 83 | 4.8 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-29 | ND | | 83 | 5.0 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-30 | ND | | 42 | 4.3 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-31 | ND | | 100 | 5.1 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-32 | ND | | 21 | 4.1 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-33 | ND | | 42 | 5.3 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-34 | ND | | 21 | 5.1 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-35 | ND | | 42 | 4.9 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-36 | ND | | 21 | 5.2 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-37 | ND | | 21 | 5.1 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-38 | ND | | 21 | 5.6 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-39 | ND | | 42 | 5.0 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-40 | ND | | 42 | 2.2 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-41 | ND | | 42 | 3.3 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-42 | ND | | 42 | 2.4 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-43 | ND | | 21 | 2.4 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-44 | 17 | J | 120 | 2.2 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-45 | ND | | 42 | 2.5 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-46 | ND | | 21 | 3.0 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-47 | 17 | J | 120 | 2.2 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-48 | ND | | 21 | 2.6 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-49 | 3.8 | J q | 42 | 2.0 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |

Client Sample Results

Client: Eurofins Environment Testing South Central LLC
 Project/Site: 2312898

Job ID: 320-108192-1

Client Sample ID: 2312898-002 - R6South-20231214

Lab Sample ID: 320-108192-2

Date Collected: 12/14/23 14:45

Matrix: Water

Date Received: 12/19/23 09:30

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

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------|------------|------------|-----|------|------|---|----------------|----------------|---------|
| PCB-50 | ND | | 42 | 2.5 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-51 | ND | | 42 | 2.5 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-52 | 14 | J | 100 | 2.3 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-53 | ND | | 42 | 2.5 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-54 | ND | | 42 | 1.4 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-55 | ND | | 42 | 1.7 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-56 | ND | | 21 | 1.9 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-57 | ND | | 21 | 2.1 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-58 | ND | | 21 | 1.8 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-59 | ND | | 62 | 1.9 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-60 | ND | | 42 | 2.1 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-61 | ND | | 170 | 1.9 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-62 | ND | | 62 | 1.9 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-63 | ND | | 42 | 2.1 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-64 | ND | | 42 | 1.9 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-65 | 17 | J | 120 | 2.2 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-66 | ND | | 42 | 1.8 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-67 | ND | | 21 | 1.7 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-68 | ND | | 42 | 1.8 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-69 | 3.8 | J q | 42 | 2.0 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-70 | ND | | 170 | 1.9 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-71 | ND | | 42 | 2.2 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-72 | ND | | 21 | 1.9 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-73 | ND | | 21 | 1.7 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-74 | ND | | 170 | 1.9 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-75 | ND | | 62 | 1.9 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-76 | ND | | 170 | 1.9 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-77 | ND | | 21 | 2.1 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-78 | ND | | 21 | 2.1 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-79 | ND | | 42 | 1.8 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-80 | ND | | 42 | 1.7 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-81 | ND | | 21 | 2.2 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-82 | ND | | 21 | 1.7 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-83 | ND | | 21 | 1.5 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-84 | ND | | 42 | 1.9 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-85 | 12 | J q | 62 | 1.2 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-86 | ND | | 120 | 1.4 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-87 | ND | | 120 | 1.4 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-88 | ND | | 42 | 1.7 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-89 | ND | | 42 | 1.8 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-90 | 11 | J q | 120 | 1.5 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-91 | ND | | 42 | 1.7 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-92 | ND | | 42 | 1.6 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-93 | ND | | 83 | 1.6 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-94 | ND | | 42 | 1.8 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-95 | 12 | J | 100 | 1.7 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-96 | ND | | 21 | 0.72 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-97 | ND | | 120 | 1.4 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-98 | ND | | 42 | 1.8 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |

Client Sample Results

Client: Eurofins Environment Testing South Central LLC
 Project/Site: 2312898

Job ID: 320-108192-1

Client Sample ID: 2312898-002 - R6South-20231214

Lab Sample ID: 320-108192-2

Date Collected: 12/14/23 14:45

Matrix: Water

Date Received: 12/19/23 09:30

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

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|------------|------------|-----|------|------|---|----------------|----------------|---------|
| PCB-99 | ND | | 42 | 1.5 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-100 | ND | | 83 | 1.6 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-101 | 11 | J q | 120 | 1.5 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-102 | ND | | 42 | 1.8 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-103 | ND | | 42 | 1.6 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-104 | ND | | 42 | 0.96 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-105 | ND | | 42 | 1.1 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-106 | ND | | 42 | 1.6 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-107 | ND | | 42 | 1.0 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-108 | ND | | 120 | 1.3 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-109 | ND | | 21 | 1.4 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-110 | ND | | 42 | 1.4 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-111 | ND | | 42 | 1.2 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-112 | ND | | 21 | 1.1 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-113 | 11 | J q | 120 | 1.5 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-114 | ND | | 42 | 1.4 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-115 | ND | | 42 | 1.4 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-116 | 12 | J q | 62 | 1.2 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-117 | 12 | J q | 62 | 1.2 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-118 | 9.2 | J q | 42 | 1.2 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-119 | ND | | 120 | 1.4 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-120 | ND | | 21 | 1.0 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-121 | ND | | 21 | 1.1 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-122 | ND | | 42 | 1.4 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-123 | ND | | 42 | 1.3 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-124 | ND | | 42 | | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-125 | ND | | 120 | 1.4 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-126 | ND | | 21 | 1.2 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-127 | ND | | 21 | 1.2 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-128 | ND | | 83 | 0.98 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-129 | 14 | J q | 62 | 0.99 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-130 | ND | | 21 | 1.4 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-131 | ND | | 21 | 1.2 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-132 | ND | | 21 | 1.3 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-133 | ND | | 21 | 1.1 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-134 | ND | | 42 | 1.2 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-135 | ND | | 42 | 1.1 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-136 | ND | | 21 | 0.84 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-137 | ND | | 21 | 0.84 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-138 | 14 | J q | 62 | 0.99 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-139 | ND | | 42 | 1.0 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-140 | ND | | 42 | 1.0 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-141 | ND | | 21 | 1.5 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-142 | ND | | 21 | 1.3 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-143 | ND | | 42 | 1.2 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-144 | ND | | 21 | 1.0 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-145 | ND | | 21 | 0.88 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-146 | ND | | 21 | 0.80 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-147 | 14 | J q | 42 | 1.0 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |

Client Sample Results

Client: Eurofins Environment Testing South Central LLC
 Project/Site: 2312898

Job ID: 320-108192-1

Client Sample ID: 2312898-002 - R6South-20231214

Lab Sample ID: 320-108192-2

Date Collected: 12/14/23 14:45

Matrix: Water

Date Received: 12/19/23 09:30

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

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|-----------|------------|----|------|------|---|----------------|----------------|---------|
| PCB-148 | ND | | 21 | 1.1 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-149 | 14 | J q | 42 | 1.0 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-150 | ND | | 21 | 0.83 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-151 | ND | | 42 | 1.1 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-152 | ND | | 21 | 0.87 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-153 | 11 | J | 42 | 0.80 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-154 | ND | | 21 | 1.0 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-155 | ND | | 21 | 1.1 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-156 | ND | | 42 | 1.1 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-157 | ND | | 42 | 1.1 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-158 | ND | | 21 | 0.83 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-159 | ND | | 21 | 0.93 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-160 | 14 | J q | 21 | 0.99 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-161 | ND | | 21 | 1.1 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-162 | ND | | 42 | 1.0 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-163 | 14 | J q | 62 | 0.99 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-164 | ND | | 21 | 1.3 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-165 | ND | | 21 | 0.92 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-166 | ND | | 83 | 0.98 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-167 | ND | | 42 | 0.91 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-168 | 11 | J | 42 | 0.80 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-169 | ND | | 21 | 0.99 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-170 | ND | | 42 | 2.2 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-171 | ND | | 42 | 2.1 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-172 | ND | | 21 | 2.2 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-173 | ND | | 42 | 2.1 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-174 | ND | | 21 | 2.3 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-175 | ND | | 21 | 1.1 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-176 | ND | | 21 | 0.88 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-177 | ND | | 21 | 1.9 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-178 | ND | | 21 | 1.2 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-179 | ND | | 21 | 0.75 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-180 | 11 | J q | 42 | 1.7 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-181 | ND | | 21 | 1.9 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-182 | ND | | 21 | 1.1 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-183 | ND | | 21 | 1.4 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-184 | ND | | 21 | 0.79 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-185 | ND | | 42 | 2.4 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-186 | ND | | 21 | 0.71 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-187 | ND | | 21 | 0.93 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-188 | ND | | 21 | 0.93 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-189 | ND | | 21 | 1.4 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-190 | ND | | 21 | 1.5 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-191 | ND | | 42 | 1.5 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-192 | ND | | 21 | 1.5 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-193 | 11 | J q | 42 | 1.7 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-194 | ND | | 42 | 1.6 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-195 | ND | | 21 | 1.6 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-196 | ND | | 21 | 1.6 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |

Client Sample Results

Client: Eurofins Environment Testing South Central LLC
 Project/Site: 2312898

Job ID: 320-108192-1

Client Sample ID: 2312898-002 - R6South-20231214

Lab Sample ID: 320-108192-2

Date Collected: 12/14/23 14:45

Matrix: Water

Date Received: 12/19/23 09:30

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

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| PCB-197 | ND | | 21 | 0.97 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-198 | ND | | 42 | 1.5 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-199 | ND | | 42 | 1.5 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-200 | ND | | 21 | 1.7 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-201 | ND | | 21 | 1.2 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-202 | ND | | 21 | 1.1 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-203 | ND | | 21 | 1.5 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-204 | ND | | 21 | 1.1 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-205 | ND | | 21 | 1.5 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-206 | ND | | 42 | 2.0 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-207 | ND | | 21 | 1.7 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-208 | ND | | 21 | 1.7 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-209 | ND | | 42 | 1.7 | pg/L | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| PCB-1L | 62 | | 15 - 150 | | | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-3L | 60 | | 15 - 150 | | | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-4L | 50 | | 25 - 150 | | | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-15L | 55 | | 25 - 150 | | | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-19L | 55 | | 25 - 150 | | | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-37L | 59 | | 25 - 150 | | | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-54L | 32 | q | 25 - 150 | | | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-77L | 58 | | 25 - 150 | | | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-81L | 59 | | 25 - 150 | | | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-104L | 33 | | 25 - 150 | | | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-105L | 63 | | 25 - 150 | | | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-114L | 62 | | 25 - 150 | | | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-118L | 61 | | 25 - 150 | | | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-123L | 63 | | 25 - 150 | | | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-126L | 65 | | 25 - 150 | | | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-155L | 54 | | 25 - 150 | | | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-156L | 94 | | 25 - 150 | | | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-156L/157L | 94 | | 25 - 150 | | | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-157L | 94 | | 25 - 150 | | | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-167L | 93 | | 25 - 150 | | | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-169L | 94 | | 25 - 150 | | | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-188L | 27 | | 25 - 150 | | | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-189L | 56 | | 25 - 150 | | | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-202L | 49 | | 25 - 150 | | | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-205L | 69 | | 25 - 150 | | | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-206L | 64 | | 25 - 150 | | | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-208L | 58 | | 25 - 150 | | | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-209L | 53 | | 25 - 150 | | | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| PCB-28L | 88 | | 30 - 135 | | | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-111L | 96 | | 30 - 135 | | | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |
| PCB-178L | 70 | | 30 - 135 | | | | 01/10/24 07:52 | 01/19/24 19:07 | 1 |

Surrogate Summary

Client: Eurofins Environment Testing South Central LLC
Project/Site: 2312898

Job ID: 320-108192-1

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | |
|-------------------|-----------------------------------|--|---------------------|---------------------|
| | | PCB28L (30-135) | PCB111L (30-135) | PCB178L (30-135) |
| 320-108192-1 | 2312898-001 - R6 North-202312 | 79 | 86 | 67 |
| 320-108192-2 | 2312898-002 - R6South-20231214 | 88 | 96 | 70 |
| MB 320-732336/1-A | Method Blank | 83 | 105 | 95 |

Surrogate Legend

PCB28L = PCB-28L
PCB111L = PCB-111L
PCB178L = PCB-178L

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | |
|---------------------|------------------------|--|---------------------|---------------------|
| | | PCB28L (40-125) | PCB111L (40-125) | PCB178L (40-125) |
| LCS 320-732336/2-A | Lab Control Sample | 75 | 94 | 83 |
| LCSD 320-732336/3-A | Lab Control Sample Dup | 87 | 104 | 90 |

Surrogate Legend

PCB28L = PCB-28L
PCB111L = PCB-111L
PCB178L = PCB-178L

Isotope Dilution Summary

Client: Eurofins Environment Testing South Central LLC
 Project/Site: 2312898

Job ID: 320-108192-1

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 (15-150) | PCB3L (15-150) | PCB4L (25-150) | PCB15L (25-150) | PCB19L (25-150) | PCB37L (25-150) | PCB54L (25-150) | PCB77L (25-150) |
|-------------------|-----------------------------------|-------------------|-------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 320-108192-1 | 2312898-001 - R6 North-202312 | 51 | 51 | 42 | 48 | 45 | 55 | 29 | 55 |
| 320-108192-2 | 2312898-002 - R6South-20231214 | 62 | 60 | 50 | 55 | 55 | 59 | 32 q | 58 |
| MB 320-732336/1-A | Method Blank | 76 | 77 | 78 | 76 | 73 | 68 | 54 | 81 |

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) |
|-------------------|-----------------------------------|--------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| 320-108192-1 | 2312898-001 - R6 North-202312 | 53 | 31 | 55 | 56 | 55 | 57 | 56 | 50 |
| 320-108192-2 | 2312898-002 - R6South-20231214 | 59 | 33 | 63 | 62 | 61 | 63 | 65 | 54 |
| MB 320-732336/1-A | Method Blank | 79 | 52 | 89 | 84 | 85 | 85 | 95 | 54 |

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) |
|-------------------|-----------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| 320-108192-1 | 2312898-001 - R6 North-202312 | 99 | 99 | 99 | 98 | 103 | 24 *5- | 54 | 43 |
| 320-108192-2 | 2312898-002 - R6South-20231214 | 94 | 94 | 94 | 93 | 94 | 27 | 56 | 49 |
| MB 320-732336/1-A | Method Blank | 91 | 91 | 91 | 83 | 98 | 41 | 65 | 52 |

Percent Isotope Dilution Recovery (Acceptance Limits)

| Lab Sample ID | Client Sample ID | PCB205L (25-150) | PCB206L (25-150) | PCB208L (25-150) | PCB209L (25-150) |
|-------------------|-----------------------------------|---------------------|---------------------|---------------------|---------------------|
| 320-108192-1 | 2312898-001 - R6 North-202312 | 66 | 60 | 54 | 46 |
| 320-108192-2 | 2312898-002 - R6South-20231214 | 69 | 64 | 58 | 53 |
| MB 320-732336/1-A | Method Blank | 85 | 92 | 71 | 98 |

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

Isotope Dilution Summary

Client: Eurofins Environment Testing South Central LLC

Job ID: 320-108192-1

Project/Site: 2312898

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 320-732336/2-A | Lab Control Sample | 66 | 67 | 69 | 66 | 66 | 65 | 52 | 77 |
| LCSD 320-732336/3-A | Lab Control Sample Dup | 76 | 78 | 79 | 77 | 75 | 70 | 59 | 83 |

Percent Isotope Dilution Recovery (Acceptance Limits)

| Lab Sample ID | Client Sample ID | PCB81L (30-140) | PCB104L (30-140) | PCB105L (30-140) | PCB114L (30-140) | PCB118L (30-140) | PCB123L (30-140) | PCB126L (30-140) | PCB155L (30-140) |
|---------------------|------------------------|--------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| LCS 320-732336/2-A | Lab Control Sample | 75 | 51 | 84 | 81 | 77 | 79 | 91 | 51 |
| LCSD 320-732336/3-A | Lab Control Sample Dup | 82 | 56 | 92 | 88 | 86 | 86 | 96 | 52 |

Percent Isotope Dilution Recovery (Acceptance Limits)

| Lab Sample ID | Client Sample ID | PCB156L (30-140) | 156157L (30-140) | PCB157L (30-140) | PCB167L (30-140) | PCB169L (30-140) | PCB188L (30-140) | PCB189L (30-140) | PCB202L (30-140) |
|---------------------|------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| LCS 320-732336/2-A | Lab Control Sample | 81 | 81 | 81 | 74 | 91 | 41 | 66 | 51 |
| LCSD 320-732336/3-A | Lab Control Sample Dup | 85 | 85 | 85 | 76 | 93 | 44 | 66 | 53 |

Percent Isotope Dilution Recovery (Acceptance Limits)

| Lab Sample ID | Client Sample ID | PCB205L (30-140) | PCB206L (30-140) | PCB208L (30-140) | PCB209L (30-140) |
|---------------------|------------------------|---------------------|---------------------|---------------------|---------------------|
| LCS 320-732336/2-A | Lab Control Sample | 85 | 94 | 72 | 103 |
| LCSD 320-732336/3-A | Lab Control Sample Dup | 85 | 96 | 72 | 104 |

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

Isotope Dilution Summary

Client: Eurofins Environment Testing South Central LLC

Job ID: 320-108192-1

Project/Site: 2312898

PCB206L = PCB-206L

PCB208L = PCB-208L

PCB209L = PCB-209L

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QC Sample Results

Client: Eurofins Environment Testing South Central LLC
 Project/Site: 2312898

Job ID: 320-108192-1

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

Lab Sample ID: MB 320-732336/1-A
Matrix: Water
Analysis Batch: 733676

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 732336

| Analyte | MB Result | MB Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-----|------|------|---|----------------|----------------|---------|
| PCB-1 | ND | | 100 | 0.79 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-2 | ND | | 100 | 0.84 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-3 | ND | | 150 | 0.79 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-4 | ND | | 100 | 12 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-5 | ND | | 20 | 6.4 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-6 | ND | | 20 | 5.4 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-7 | ND | | 40 | 5.8 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-8 | ND | | 40 | 4.9 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-9 | ND | | 40 | 6.0 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-10 | ND | | 40 | 7.8 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-11 | ND | | 150 | 6.4 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-12 | ND | | 200 | 6.2 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-13 | ND | | 200 | 6.2 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-14 | ND | | 40 | 6.1 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-15 | ND | | 100 | 4.8 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-16 | ND | | 40 | 1.9 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-17 | ND | | 40 | 1.9 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-18 | ND | | 40 | 1.3 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-19 | ND | | 40 | 2.1 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-20 | ND | | 80 | 1.1 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-21 | ND | | 40 | 1.1 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-22 | ND | | 20 | 1.0 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-23 | ND | | 40 | 1.1 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-24 | ND | | 20 | 1.4 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-25 | ND | | 20 | 0.89 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-26 | ND | | 80 | 1.1 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-27 | ND | | 20 | 1.3 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-28 | ND | | 80 | 1.1 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-29 | ND | | 80 | 1.1 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-30 | ND | | 40 | 1.3 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-31 | ND | | 100 | 1.1 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-32 | ND | | 20 | 1.3 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-33 | ND | | 40 | 1.1 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-34 | ND | | 20 | 1.1 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-35 | ND | | 40 | 1.1 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-36 | ND | | 20 | 1.2 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-37 | ND | | 20 | 1.0 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-38 | ND | | 20 | 1.2 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-39 | ND | | 40 | 1.1 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-40 | ND | | 40 | 0.80 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-41 | ND | | 40 | 1.2 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-42 | ND | | 40 | 0.88 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-43 | ND | | 20 | 0.91 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-44 | ND | | 120 | 0.81 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-45 | ND | | 40 | 0.94 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-46 | ND | | 20 | 1.1 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-47 | ND | | 120 | 0.81 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-48 | ND | | 20 | 0.91 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |

QC Sample Results

Client: Eurofins Environment Testing South Central LLC
 Project/Site: 2312898

Job ID: 320-108192-1

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

Lab Sample ID: MB 320-732336/1-A
Matrix: Water
Analysis Batch: 733676

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 732336

| Analyte | MB Result | MB Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-----|------|------|---|----------------|----------------|---------|
| PCB-49 | ND | | 40 | 0.74 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-50 | ND | | 40 | 0.91 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-51 | ND | | 40 | 0.94 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-52 | ND | | 100 | 0.84 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-53 | ND | | 40 | 0.91 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-54 | ND | | 40 | 0.72 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-55 | ND | | 40 | 0.95 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-56 | ND | | 20 | 1.1 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-57 | ND | | 20 | 1.2 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-58 | ND | | 20 | 0.99 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-59 | ND | | 60 | 0.69 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-60 | ND | | 40 | 1.2 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-61 | ND | | 160 | 1.1 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-62 | ND | | 60 | 0.69 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-63 | ND | | 40 | 1.2 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-64 | ND | | 40 | 0.66 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-65 | ND | | 120 | 0.81 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-66 | ND | | 40 | 1.1 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-67 | ND | | 20 | 0.95 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-68 | ND | | 40 | 1.0 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-69 | ND | | 40 | 0.74 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-70 | ND | | 160 | 1.1 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-71 | ND | | 40 | 0.80 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-72 | ND | | 20 | 1.2 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-73 | ND | | 20 | 0.63 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-74 | ND | | 160 | 1.1 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-75 | ND | | 60 | 0.69 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-76 | ND | | 160 | 1.1 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-77 | ND | | 20 | 1.3 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-78 | ND | | 20 | 1.3 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-79 | ND | | 40 | 1.1 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-80 | ND | | 40 | 0.96 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-81 | ND | | 20 | 1.4 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-82 | ND | | 20 | 1.8 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-83 | ND | | 20 | 1.7 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-84 | ND | | 40 | 2.1 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-85 | ND | | 60 | 1.4 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-86 | ND | | 120 | 1.4 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-87 | ND | | 120 | 1.4 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-88 | ND | | 40 | 1.8 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-89 | ND | | 40 | 2.0 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-90 | ND | | 120 | 1.5 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-91 | ND | | 40 | 1.8 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-92 | ND | | 40 | 1.7 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-93 | ND | | 80 | 1.7 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-94 | ND | | 40 | 2.0 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-95 | ND | | 100 | 1.8 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-96 | ND | | 20 | 0.81 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-97 | ND | | 120 | 1.4 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |

Eurofins Sacramento

QC Sample Results

Client: Eurofins Environment Testing South Central LLC
 Project/Site: 2312898

Job ID: 320-108192-1

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

Lab Sample ID: MB 320-732336/1-A
 Matrix: Water
 Analysis Batch: 733676

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 732336

| Analyte | MB Result | MB Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-----|------|------|---|----------------|----------------|---------|
| PCB-98 | ND | | 40 | 1.8 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-99 | ND | | 40 | 1.7 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-100 | ND | | 80 | 1.7 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-101 | ND | | 120 | 1.5 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-102 | ND | | 40 | 1.8 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-103 | ND | | 40 | 1.6 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-104 | ND | | 40 | 0.97 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-105 | ND | | 40 | 1.3 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-106 | ND | | 40 | 1.5 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-107 | ND | | 40 | 1.2 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-108 | ND | | 120 | 1.4 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-109 | ND | | 20 | 1.4 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-110 | ND | | 40 | 1.3 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-111 | ND | | 40 | 1.3 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-112 | ND | | 20 | 1.1 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-113 | ND | | 120 | 1.5 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-114 | ND | | 40 | 1.4 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-115 | ND | | 40 | 1.3 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-116 | ND | | 60 | 1.4 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-117 | ND | | 60 | 1.4 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-118 | ND | | 40 | 1.2 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-119 | ND | | 120 | 1.4 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-120 | ND | | 20 | 1.1 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-121 | ND | | 20 | 1.1 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-122 | ND | | 40 | 1.6 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-123 | ND | | 40 | 1.3 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-124 | ND | | 40 | 1.4 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-125 | ND | | 120 | 1.4 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-126 | ND | | 20 | 1.3 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-127 | ND | | 20 | 1.4 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-128 | ND | | 80 | 0.51 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-129 | ND | | 60 | 0.52 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-130 | ND | | 20 | 0.69 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-131 | ND | | 20 | 0.64 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-132 | ND | | 20 | 0.66 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-133 | ND | | 20 | 0.62 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-134 | ND | | 40 | 0.62 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-135 | ND | | 40 | 0.57 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-136 | ND | | 20 | 0.42 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-137 | ND | | 20 | 0.50 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-138 | ND | | 60 | 0.52 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-139 | ND | | 40 | 0.56 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-140 | ND | | 40 | 0.56 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-141 | ND | | 20 | 0.66 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-142 | ND | | 20 | 0.67 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-143 | ND | | 40 | 0.62 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-144 | ND | | 20 | 0.53 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-145 | ND | | 20 | 0.43 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-146 | ND | | 20 | 0.48 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |

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QC Sample Results

Client: Eurofins Environment Testing South Central LLC
 Project/Site: 2312898

Job ID: 320-108192-1

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

Lab Sample ID: MB 320-732336/1-A
 Matrix: Water
 Analysis Batch: 733676

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 732336

| Analyte | MB Result | MB Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|----|------|------|---|----------------|----------------|---------|
| PCB-147 | ND | | 40 | 0.54 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-148 | ND | | 20 | 0.55 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-149 | ND | | 40 | 0.54 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-150 | ND | | 20 | 0.41 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-151 | ND | | 40 | 0.57 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-152 | ND | | 20 | 0.43 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-153 | ND | | 40 | 0.44 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-154 | ND | | 20 | 0.51 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-155 | ND | | 20 | 0.55 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-156 | ND | | 40 | 0.37 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-157 | ND | | 40 | 0.37 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-158 | ND | | 20 | 0.39 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-159 | ND | | 20 | 0.30 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-160 | ND | | 20 | 0.52 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-161 | ND | | 20 | 0.49 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-162 | ND | | 40 | 0.33 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-163 | ND | | 60 | 0.52 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-164 | ND | | 20 | 0.57 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-165 | ND | | 20 | 0.47 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-166 | ND | | 80 | 0.51 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-167 | ND | | 40 | 0.32 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-168 | ND | | 40 | 0.44 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-169 | ND | | 20 | 0.34 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-170 | ND | | 40 | 0.84 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-171 | ND | | 40 | 0.78 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-172 | ND | | 20 | 0.84 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-173 | ND | | 40 | 0.78 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-174 | ND | | 20 | 0.85 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-175 | ND | | 20 | 0.58 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-176 | ND | | 20 | 0.45 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-177 | ND | | 20 | 0.74 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-178 | ND | | 20 | 0.62 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-179 | ND | | 20 | 0.40 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-180 | ND | | 40 | 0.63 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-181 | ND | | 20 | 0.74 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-182 | ND | | 20 | 0.59 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-183 | ND | | 20 | 0.57 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-184 | ND | | 20 | 0.41 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-185 | ND | | 40 | 0.83 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-186 | ND | | 20 | 0.37 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-187 | ND | | 20 | 0.49 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-188 | ND | | 20 | 0.45 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-189 | ND | | 20 | 0.50 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-190 | ND | | 20 | 0.57 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-191 | ND | | 40 | 0.57 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-192 | ND | | 20 | 0.54 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-193 | ND | | 40 | 0.63 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-194 | ND | | 40 | 0.49 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-195 | ND | | 20 | 0.49 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |

Eurofins Sacramento

QC Sample Results

Client: Eurofins Environment Testing South Central LLC
 Project/Site: 2312898

Job ID: 320-108192-1

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

Lab Sample ID: MB 320-732336/1-A
 Matrix: Water
 Analysis Batch: 733676

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 732336

| Analyte | MB Result | MB Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|--------------|--------------|----------|------|------|---|----------------|----------------|---------|
| PCB-196 | ND | | 20 | 0.52 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-197 | ND | | 20 | 0.31 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-198 | ND | | 40 | 0.47 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-199 | ND | | 40 | 0.47 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-200 | ND | | 20 | 0.50 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-201 | ND | | 20 | 0.40 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-202 | ND | | 20 | 0.38 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-203 | ND | | 20 | 0.46 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-204 | ND | | 20 | 0.38 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-205 | ND | | 20 | 0.44 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-206 | ND | | 40 | 0.83 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-207 | ND | | 20 | 0.66 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-208 | ND | | 20 | 0.72 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-209 | ND | | 40 | 0.16 | pg/L | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| Isotope Dilution | MB %Recovery | MB Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| PCB-1L | 76 | | 15 - 150 | | | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-3L | 77 | | 15 - 150 | | | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-4L | 78 | | 25 - 150 | | | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-15L | 76 | | 25 - 150 | | | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-19L | 73 | | 25 - 150 | | | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-37L | 68 | | 25 - 150 | | | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-54L | 54 | | 25 - 150 | | | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-77L | 81 | | 25 - 150 | | | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-81L | 79 | | 25 - 150 | | | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-104L | 52 | | 25 - 150 | | | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-105L | 89 | | 25 - 150 | | | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-114L | 84 | | 25 - 150 | | | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-118L | 85 | | 25 - 150 | | | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-123L | 85 | | 25 - 150 | | | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-126L | 95 | | 25 - 150 | | | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-155L | 54 | | 25 - 150 | | | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-156L | 91 | | 25 - 150 | | | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-156L/157L | 91 | | 25 - 150 | | | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-157L | 91 | | 25 - 150 | | | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-167L | 83 | | 25 - 150 | | | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-169L | 98 | | 25 - 150 | | | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-188L | 41 | | 25 - 150 | | | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-189L | 65 | | 25 - 150 | | | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-202L | 52 | | 25 - 150 | | | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-205L | 85 | | 25 - 150 | | | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-206L | 92 | | 25 - 150 | | | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-208L | 71 | | 25 - 150 | | | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-209L | 98 | | 25 - 150 | | | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| Surrogate | MB %Recovery | MB Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| PCB-28L | 83 | | 30 - 135 | | | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |
| PCB-111L | 105 | | 30 - 135 | | | | 01/10/24 07:52 | 01/14/24 23:52 | 1 |

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QC Sample Results

Client: Eurofins Environment Testing South Central LLC
 Project/Site: 2312898

Job ID: 320-108192-1

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

Lab Sample ID: MB 320-732336/1-A
Matrix: Water
Analysis Batch: 733676

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 732336

| <i>Surrogate</i> | <i>MB MB</i> | <i>Qualifier</i> | <i>Limits</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
|------------------|--------------|------------------|---------------|-----------------|-----------------|----------------|
| PCB-178L | 95 | | 30 - 135 | 01/10/24 07:52 | 01/14/24 23:52 | 1 |

Lab Sample ID: LCS 320-732336/2-A
Matrix: Water
Analysis Batch: 733676

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 732336

| <i>Analyte</i> | <i>Spike Added</i> | <i>LCS Result</i> | <i>LCS Qualifier</i> | <i>Unit</i> | <i>D</i> | <i>%Rec</i> | <i>Limits</i> |
|----------------|--------------------|-------------------|----------------------|-------------|----------|-------------|---------------|
| PCB-1 | 2000 | 2030 | | pg/L | | 102 | 50 - 150 |
| PCB-3 | 2000 | 2000 | | pg/L | | 100 | 50 - 150 |
| PCB-4 | 2000 | 2190 | | pg/L | | 110 | 50 - 150 |
| PCB-15 | 2000 | 1960 | | pg/L | | 98 | 50 - 150 |
| PCB-19 | 2000 | 2230 | | pg/L | | 112 | 50 - 150 |
| PCB-37 | 2000 | 2090 | | pg/L | | 105 | 50 - 150 |
| PCB-54 | 2000 | 2190 | q | pg/L | | 109 | 50 - 150 |
| PCB-77 | 2000 | 2340 | | pg/L | | 117 | 50 - 150 |
| PCB-81 | 2000 | 2600 | | pg/L | | 130 | 50 - 150 |
| PCB-104 | 2000 | 2920 | | pg/L | | 146 | 50 - 150 |
| PCB-105 | 2000 | 2360 | | pg/L | | 118 | 50 - 150 |
| PCB-114 | 2000 | 2520 | | pg/L | | 126 | 50 - 150 |
| PCB-118 | 2000 | 2390 | | pg/L | | 119 | 50 - 150 |
| PCB-123 | 2000 | 2460 | | pg/L | | 123 | 50 - 150 |
| PCB-126 | 2000 | 2540 | | pg/L | | 127 | 50 - 150 |
| PCB-155 | 2000 | 2840 | | pg/L | | 142 | 50 - 150 |
| PCB-156 | 4000 | 4670 | | pg/L | | 117 | 50 - 150 |
| PCB-157 | 4000 | 4670 | | pg/L | | 117 | 50 - 150 |
| PCB-167 | 2000 | 2400 | | pg/L | | 120 | 50 - 150 |
| PCB-169 | 2000 | 2290 | | pg/L | | 114 | 50 - 150 |
| PCB-188 | 2000 | 2380 | | pg/L | | 119 | 50 - 150 |
| PCB-189 | 2000 | 2120 | | pg/L | | 106 | 50 - 150 |
| PCB-202 | 2000 | 2440 | | pg/L | | 122 | 50 - 150 |
| PCB-205 | 2000 | 2180 | | pg/L | | 109 | 50 - 150 |
| PCB-206 | 2000 | 1990 | | pg/L | | 100 | 50 - 150 |
| PCB-208 | 2000 | 2220 | | pg/L | | 111 | 50 - 150 |
| PCB-209 | 2000 | 2180 | | pg/L | | 109 | 50 - 150 |

| <i>Isotope Dilution</i> | <i>LCS LCS</i> | <i>Qualifier</i> | <i>Limits</i> |
|-------------------------|----------------|------------------|---------------|
| PCB-1L | 66 | | 15 - 140 |
| PCB-3L | 67 | | 15 - 140 |
| PCB-4L | 69 | | 30 - 140 |
| PCB-15L | 66 | | 30 - 140 |
| PCB-19L | 66 | | 30 - 140 |
| PCB-37L | 65 | | 30 - 140 |
| PCB-54L | 52 | | 30 - 140 |
| PCB-77L | 77 | | 30 - 140 |
| PCB-81L | 75 | | 30 - 140 |
| PCB-104L | 51 | | 30 - 140 |
| PCB-105L | 84 | | 30 - 140 |
| PCB-114L | 81 | | 30 - 140 |

QC Sample Results

Client: Eurofins Environment Testing South Central LLC
 Project/Site: 2312898

Job ID: 320-108192-1

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

Lab Sample ID: LCS 320-732336/2-A
Matrix: Water
Analysis Batch: 733676

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 732336

| Isotope Dilution | LCS | | Limits |
|------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| PCB-118L | 77 | | 30 - 140 |
| PCB-123L | 79 | | 30 - 140 |
| PCB-126L | 91 | | 30 - 140 |
| PCB-155L | 51 | | 30 - 140 |
| PCB-156L | 81 | | 30 - 140 |
| PCB-156L/157L | 81 | | 30 - 140 |
| PCB-157L | 81 | | 30 - 140 |
| PCB-167L | 74 | | 30 - 140 |
| PCB-169L | 91 | | 30 - 140 |
| PCB-188L | 41 | | 30 - 140 |
| PCB-189L | 66 | | 30 - 140 |
| PCB-202L | 51 | | 30 - 140 |
| PCB-205L | 85 | | 30 - 140 |
| PCB-206L | 94 | | 30 - 140 |
| PCB-208L | 72 | | 30 - 140 |
| PCB-209L | 103 | | 30 - 140 |

| Surrogate | LCS | | Limits |
|-----------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| PCB-28L | 75 | | 40 - 125 |
| PCB-111L | 94 | | 40 - 125 |
| PCB-178L | 83 | | 40 - 125 |

Lab Sample ID: LCSD 320-732336/3-A
Matrix: Water
Analysis Batch: 733676

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 732336

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec | | RPD | Limit |
|---------|-------------|-------------|----------------|------|---|------|----------|-----|-----|-------|
| | | | | | | | Limits | RPD | | |
| PCB-1 | 2000 | 1970 | | pg/L | | 99 | 50 - 150 | 3 | 50 | |
| PCB-3 | 2000 | 1920 | | pg/L | | 96 | 50 - 150 | 4 | 50 | |
| PCB-4 | 2000 | 2190 | | pg/L | | 110 | 50 - 150 | 0 | 50 | |
| PCB-15 | 2000 | 1940 | | pg/L | | 97 | 50 - 150 | 1 | 50 | |
| PCB-19 | 2000 | 2230 | | pg/L | | 112 | 50 - 150 | 0 | 50 | |
| PCB-37 | 2000 | 2100 | | pg/L | | 105 | 50 - 150 | 0 | 50 | |
| PCB-54 | 2000 | 2300 | | pg/L | | 115 | 50 - 150 | 5 | 50 | |
| PCB-77 | 2000 | 2290 | | pg/L | | 114 | 50 - 150 | 2 | 50 | |
| PCB-81 | 2000 | 2540 | | pg/L | | 127 | 50 - 150 | 2 | 50 | |
| PCB-104 | 2000 | 2900 | | pg/L | | 145 | 50 - 150 | 1 | 50 | |
| PCB-105 | 2000 | 2340 | | pg/L | | 117 | 50 - 150 | 1 | 50 | |
| PCB-114 | 2000 | 2540 | | pg/L | | 127 | 50 - 150 | 1 | 50 | |
| PCB-118 | 2000 | 2310 | | pg/L | | 115 | 50 - 150 | 3 | 50 | |
| PCB-123 | 2000 | 2420 | | pg/L | | 121 | 50 - 150 | 2 | 50 | |
| PCB-126 | 2000 | 2540 | | pg/L | | 127 | 50 - 150 | 0 | 50 | |
| PCB-155 | 2000 | 2830 | | pg/L | | 141 | 50 - 150 | 0 | 50 | |
| PCB-156 | 4000 | 4550 | | pg/L | | 114 | 50 - 150 | 3 | 50 | |
| PCB-157 | 4000 | 4550 | | pg/L | | 114 | 50 - 150 | 3 | 50 | |
| PCB-167 | 2000 | 2400 | | pg/L | | 120 | 50 - 150 | 0 | 50 | |
| PCB-169 | 2000 | 2250 | | pg/L | | 112 | 50 - 150 | 2 | 50 | |
| PCB-188 | 2000 | 2340 | | pg/L | | 117 | 50 - 150 | 1 | 50 | |

QC Sample Results

Client: Eurofins Environment Testing South Central LLC
 Project/Site: 2312898

Job ID: 320-108192-1

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

Lab Sample ID: LCSD 320-732336/3-A
Matrix: Water
Analysis Batch: 733676

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 732336

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| PCB-189 | 2000 | 2100 | | pg/L | | 105 | 50 - 150 | 1 | 50 |
| PCB-202 | 2000 | 2450 | | pg/L | | 123 | 50 - 150 | 0 | 50 |
| PCB-205 | 2000 | 2150 | | pg/L | | 108 | 50 - 150 | 1 | 50 |
| PCB-206 | 2000 | 1930 | | pg/L | | 96 | 50 - 150 | 3 | 50 |
| PCB-208 | 2000 | 2210 | | pg/L | | 110 | 50 - 150 | 0 | 50 |
| PCB-209 | 2000 | 2140 | | pg/L | | 107 | 50 - 150 | 2 | 50 |

| Isotope Dilution | LCSD | | Limits |
|------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| PCB-1L | 76 | | 15 - 140 |
| PCB-3L | 78 | | 15 - 140 |
| PCB-4L | 79 | | 30 - 140 |
| PCB-15L | 77 | | 30 - 140 |
| PCB-19L | 75 | | 30 - 140 |
| PCB-37L | 70 | | 30 - 140 |
| PCB-54L | 59 | | 30 - 140 |
| PCB-77L | 83 | | 30 - 140 |
| PCB-81L | 82 | | 30 - 140 |
| PCB-104L | 56 | | 30 - 140 |
| PCB-105L | 92 | | 30 - 140 |
| PCB-114L | 88 | | 30 - 140 |
| PCB-118L | 86 | | 30 - 140 |
| PCB-123L | 86 | | 30 - 140 |
| PCB-126L | 96 | | 30 - 140 |
| PCB-155L | 52 | | 30 - 140 |
| PCB-156L | 85 | | 30 - 140 |
| PCB-156L/157L | 85 | | 30 - 140 |
| PCB-157L | 85 | | 30 - 140 |
| PCB-167L | 76 | | 30 - 140 |
| PCB-169L | 93 | | 30 - 140 |
| PCB-188L | 44 | | 30 - 140 |
| PCB-189L | 66 | | 30 - 140 |
| PCB-202L | 53 | | 30 - 140 |
| PCB-205L | 85 | | 30 - 140 |
| PCB-206L | 96 | | 30 - 140 |
| PCB-208L | 72 | | 30 - 140 |
| PCB-209L | 104 | | 30 - 140 |

| Surrogate | LCSD | | Limits |
|-----------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| PCB-28L | 87 | | 40 - 125 |
| PCB-111L | 104 | | 40 - 125 |
| PCB-178L | 90 | | 40 - 125 |

QC Association Summary

Client: Eurofins Environment Testing South Central LLC
Project/Site: 2312898

Job ID: 320-108192-1

Specialty Organics

Prep Batch: 732336

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|---------------------------------|-----------|--------|----------|------------|
| 320-108192-1 | 2312898-001 - R6 North-20231213 | Total/NA | Water | HRMS-Sep | |
| 320-108192-2 | 2312898-002 - R6South-20231214 | Total/NA | Water | HRMS-Sep | |
| MB 320-732336/1-A | Method Blank | Total/NA | Water | HRMS-Sep | |
| LCS 320-732336/2-A | Lab Control Sample | Total/NA | Water | HRMS-Sep | |
| LCSD 320-732336/3-A | Lab Control Sample Dup | Total/NA | Water | HRMS-Sep | |

Analysis Batch: 733676

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| MB 320-732336/1-A | Method Blank | Total/NA | Water | 1668A | 732336 |
| LCS 320-732336/2-A | Lab Control Sample | Total/NA | Water | 1668A | 732336 |
| LCSD 320-732336/3-A | Lab Control Sample Dup | Total/NA | Water | 1668A | 732336 |

Analysis Batch: 734754

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|---------------------------------|-----------|--------|--------|------------|
| 320-108192-1 | 2312898-001 - R6 North-20231213 | Total/NA | Water | 1668A | 732336 |
| 320-108192-2 | 2312898-002 - R6South-20231214 | Total/NA | Water | 1668A | 732336 |

Lab Chronicle

Client: Eurofins Environment Testing South Central LLC
 Project/Site: 2312898

Job ID: 320-108192-1

Client Sample ID: 2312898-001 - R6 North-20231213

Lab Sample ID: 320-108192-1

Date Collected: 12/13/23 12:00

Matrix: Water

Date Received: 12/19/23 09:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | HRMS-Sep | | | 1017.7 mL | 20.0 uL | 732336 | 01/10/24 07:52 | GSH | EET SAC |
| Total/NA | Analysis | 1668A | | 1 | 1 mL | 1 mL | 734754 | 01/19/24 18:05 | JBC | EET SAC |

Client Sample ID: 2312898-002 - R6South-20231214

Lab Sample ID: 320-108192-2

Date Collected: 12/14/23 14:45

Matrix: Water

Date Received: 12/19/23 09:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | HRMS-Sep | | | 961.3 mL | 20.0 uL | 732336 | 01/10/24 07:52 | GSH | EET SAC |
| Total/NA | Analysis | 1668A | | 1 | 1 mL | 1 mL | 734754 | 01/19/24 19:07 | JBC | EET SAC |

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600



Accreditation/Certification Summary

Client: Eurofins Environment Testing South Central LLC
 Project/Site: 2312898

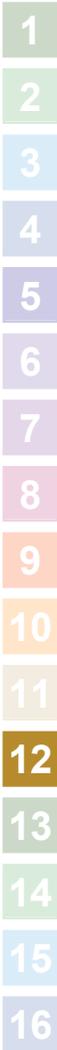
Job ID: 320-108192-1

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 | 02-20-24 |
| ANAB | Dept. of Defense ELAP | L2468 | 01-20-27 |
| ANAB | Dept. of Energy | L2468.01 | 01-20-27 |
| ANAB | ISO/IEC 17025 | L2468 | 01-20-24 |
| Arizona | State | AZ0708 | 08-11-24 |
| Arkansas DEQ | State | 88-0691 | 05-18-24 |
| California | State | 2897 | 01-22-24 |
| Colorado | State | CA00044 | 08-31-24 |
| Florida | NELAP | E87570 | 06-30-24 |
| Georgia | State | 4040 | 01-29-24 |
| Hawaii | State | <cert No.> | 01-29-24 |
| Illinois | NELAP | 200060 | 03-17-24 |
| Kansas | NELAP | E-10375 | 10-31-24 |
| Louisiana (All) | NELAP | 01944 | 06-30-24 |
| Maine | State | CA00004 | 04-14-24 |
| Michigan | State | 9947 | 01-31-24 |
| Nevada | State | CA00044 | 07-31-24 |
| New Hampshire | NELAP | 2997 | 04-18-24 |
| New Jersey | NELAP | CA005 | 06-30-24 |
| New York | NELAP | 11666 | 04-01-24 |
| Ohio | State | 41252 | 01-29-24 |
| Oregon | NELAP | 4040 | 01-29-24 |
| Texas | NELAP | T104704399-23-17 | 05-31-24 |
| US Fish & Wildlife | US Federal Programs | 58448 | 04-30-24 |
| USDA | US Federal Programs | P330-18-00239 | 02-28-26 |
| Utah | NELAP | CA000442023-16 | 02-29-24 |
| Virginia | NELAP | 460278 | 03-14-24 |
| Washington | State | C581 | 05-05-24 |
| West Virginia (DW) | State | 9930C | 01-31-25 |
| Wisconsin | State | 998204680 | 08-31-24 |
| Wyoming | State Program | 8TMS-L | 01-28-19 * |

* Accreditation/Certification renewal pending - accreditation/certification considered valid.



Method Summary

Client: Eurofins Environment Testing South Central LLC
Project/Site: 2312898

Job ID: 320-108192-1

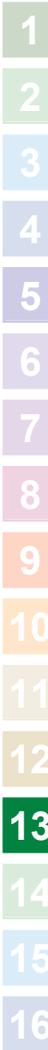
| Method | Method Description | Protocol | Laboratory |
|----------|--|----------|------------|
| 1668A | Chlorinated Biphenyl Congeners (HRGC/HRMS) | EPA | EET SAC |
| HRMS-Sep | Separatory Funnel (Liquid-Liquid) Extraction | EPA | EET SAC |

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600



Sample Summary

Client: Eurofins Environment Testing South Central LLC
Project/Site: 2312898

Job ID: 320-108192-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|---------------------------------|--------|----------------|----------------|
| 320-108192-1 | 2312898-001 - R6 North-20231213 | Water | 12/13/23 12:00 | 12/19/23 09:30 |
| 320-108192-2 | 2312898-002 - R6South-20231214 | Water | 12/14/23 14:45 | 12/19/23 09:30 |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

| SUB CONTRACTOR: Eurofins Sacramento COMPANY | | | | PHONE: (916) 373-5600 | | FAX: | |
|--|--------------|-------------------|-------------|------------------------------|------------------------|--------------|------------------------------------|
| ADDRESS: 880 Riverside Parkway | | | | ACCOUNT #: | | EMAIL: | |
| CITY STATE, ZIP: West Sacramento, CA 95605 | | | | | | | |
| ITEM | SAMPLE | CLIENT SAMPLE ID | BOTTLE TYPE | MATRIX | COLLECTION DATE | # CONTAINERS | ANALYTICAL COMMENTS |
| 1 | 2312898-001L | R6 North-20231213 | 1LAMGU | Aqueous | 12/13/2023 12 00 00 PM | 1 | PCBS 1668 -Pease Apply ICO Prnang- |
| 2 | 2312898-002L | R6South-20231214 | 1LAMGU | Aqueous | 12/14/2023 2.45 00 PM | 1 | PCBS 1668 -Pease Apply ICO Prnang- |



320-108192 Chain of Custody

SPECIAL INSTRUCTIONS / COMMENTS:

Include the LAB ID and CLIENT SAMPLE ID on final reports. Email results to Hall.Lab@et.eurofinsus.com. For Questions email Hall.samplecontrol@et.eurofinsus.com. Please return all coolers and blue ice. Thank you.

08°C

| | | | | | | |
|---|------------------|---------------|-------------------------------------|----------------|------------|--|
| Relinquished By: <i>CM</i> | Date: 12/15/2023 | Time: 8:48 AM | Received By: <i>Alexis Hemphill</i> | Date: 12/19/23 | Time: 9:30 | REPORT TRANSMITTAL DESIRED: <input type="checkbox"/> HARDCOPY (extra cost) <input type="checkbox"/> FAX <input type="checkbox"/> EMAIL <input type="checkbox"/> ONLINE FOR LAB USE ONLY Temp of samples _____ °C Attempt to Cool? _____ Comments: _____ |
| Relinquished By: | Date: | Time: | Received By: | Date: | Time: | |
| Relinquished By: | Date: | Time: | Received By: | Date: | Time: | |
| TAT: Standard <input checked="" type="checkbox"/> RUSH Next BD <input type="checkbox"/> 2nd BD <input type="checkbox"/> 3rd BD <input type="checkbox"/> | | | | | | |





Environment Testing

Sacramento Sample Receiving Notes (SSRN)

Loc: 320
108192

Tracking # 7745 2906 7909

Job _____

SO / 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: <u>L-09</u> Corr. Factor (+/-) <u>NA</u> °C | Notes: _____ |
| Ice _____ Wet _____ Gel <input checked="" type="checkbox"/> Other _____ | _____ |
| Cooler Custody Seal <u>NA</u> | _____ |
| Cooler ID. <u>NA</u> | _____ |
| Temp Observed: <u>0.8</u> °C Corrected: <u>0.8</u> °C | _____ |
| From Temp Blank <input type="checkbox"/> Sample <input checked="" type="checkbox"/> | _____ |
| Opening/Processing The Shipment | |
| Cooler compromised/tampered with? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA | _____ |
| Cooler Temperature is acceptable? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA | _____ |
| Frozen samples show signs of thaw? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA | _____ |
| Initials: <u>DWH</u> Date: <u>12/19/23</u> | _____ |
| Unpacking/Labeling The Samples | |
| Containers are not broken or leaking? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA | _____ |
| Samples compromised/tampered with? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA | _____ |
| COC is complete w/o discrepancies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA | _____ |
| Sample custody seal? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA | _____ |
| Sample containers have legible labels? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA | _____ |
| Sample date/times are provided? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA | _____ |
| Appropriate containers are used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA | _____ |
| Sample bottles are completely filled? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA | _____ |
| Sample preservatives verified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA | _____ |
| Is the Field Sampler's name on COC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA | _____ |
| Samples w/o discrepancies? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA | _____ |
| Zero headspace? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA | _____ |
| Alkalinity has no headspace? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA | _____ |
| Perchlorate has headspace? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA (Methods 314, 331, 6850) | _____ |
| Multiphasic samples are not present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA | _____ |
| Trizma Lot #(s): _____ | |
| Ammonium Acetate Lot #(s): _____ | |
| Login Completion | |
| Receipt Temperature on COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA | |
| NCM Filed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA | |
| Samples received within hold time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA | |
| Log Release checked in TALS? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA | |
| Initials: <u>SP</u> Date: <u>12-19-23</u> | Initials: <u>W4C</u> Date: <u>12-19-23</u> |

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")



Login Sample Receipt Checklist

Client: Eurofins Environment Testing South Central LLC

Job Number: 320-108192-1

Login Number: 108192

List Source: Eurofins Sacramento

List Number: 1

Creator: Oropeza, Salvador

| Question | Answer | Comment |
|---|--------|---------------|
| Radioactivity wasn't checked or is \leq background as measured by a survey meter. | True | REFER TO SSRN |
| 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. | N/A | |
| Samples were received on ice. | N/A | |
| Cooler Temperature is acceptable. | N/A | |
| Cooler Temperature is recorded. | N/A | |
| COC is present. | N/A | |
| COC is filled out in ink and legible. | N/A | |
| COC is filled out with all pertinent information. | N/A | |
| Is the Field Sampler's name present on COC? | N/A | |
| There are no discrepancies between the containers received and the COC. | N/A | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | N/A | |
| Sample containers have legible labels. | N/A | |
| Containers are not broken or leaking. | N/A | |
| Sample collection date/times are provided. | N/A | |
| Appropriate sample containers are used. | N/A | |
| Sample bottles are completely filled. | N/A | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | N/A | |
| Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4"). | N/A | |
| Multiphasic samples are not present. | N/A | |
| Samples do not require splitting or compositing. | N/A | |
| Residual Chlorine Checked. | N/A | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2312898

05-Mar-24

Client: AMAFCA
Project: CMC FY24 Dry

| Sample ID: MB-79435 | SampType: MBLK | TestCode: EPA Method 1664B | | | | | | | | |
|-------------------------------|----------------------------------|-----------------------------------|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: 79435 | RunNo: 101935 | | | | | | | | |
| Prep Date: 12/18/2023 | Analysis Date: 12/19/2023 | SeqNo: 3760234 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| N-Hexane Extractable Material | ND | 10.0 | | | | | | | | |

| Sample ID: LCS-79435 | SampType: LCS | TestCode: EPA Method 1664B | | | | | | | | |
|-------------------------------|----------------------------------|-----------------------------------|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: 79435 | RunNo: 101935 | | | | | | | | |
| Prep Date: 12/18/2023 | Analysis Date: 12/19/2023 | SeqNo: 3760235 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| N-Hexane Extractable Material | 37.6 | 10.0 | 40.00 | 0 | 94.0 | 78 | 114 | | | |

| Sample ID: LCSD-79435 | SampType: LCSD | TestCode: EPA Method 1664B | | | | | | | | |
|-------------------------------|----------------------------------|-----------------------------------|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS02 | Batch ID: 79435 | RunNo: 101935 | | | | | | | | |
| Prep Date: 12/18/2023 | Analysis Date: 12/19/2023 | SeqNo: 3760236 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| N-Hexane Extractable Material | 36.2 | 10.0 | 40.00 | 0 | 90.5 | 78 | 114 | 3.79 | 20 | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2312898

05-Mar-24

Client: AMAFCA
Project: CMC FY24 Dry

| Sample ID: MB-79508 | SampType: MBLK | TestCode: EPA Method 200.7: Metals | | | | | | | | |
|------------------------------|--------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: 79508 | RunNo: 102210 | | | | | | | | |
| Prep Date: 12/19/2023 | Analysis Date: 1/2/2024 | SeqNo: 3773160 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Calcium | ND | 1.0 | | | | | | | | |
| Magnesium | ND | 1.0 | | | | | | | | |

| Sample ID: LCSLL-79508 | SampType: LCSLL | TestCode: EPA Method 200.7: Metals | | | | | | | | |
|-------------------------------|--------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: BatchQC | Batch ID: 79508 | RunNo: 102210 | | | | | | | | |
| Prep Date: 12/19/2023 | Analysis Date: 1/2/2024 | SeqNo: 3773161 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Calcium | 0.55 | 1.0 | 0.5000 | 0 | 110 | 50 | 150 | | | J |
| Magnesium | 0.53 | 1.0 | 0.5000 | 0 | 107 | 50 | 150 | | | J |

| Sample ID: LCS-79508 | SampType: LCS | TestCode: EPA Method 200.7: Metals | | | | | | | | |
|------------------------------|--------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: 79508 | RunNo: 102210 | | | | | | | | |
| Prep Date: 12/19/2023 | Analysis Date: 1/2/2024 | SeqNo: 3773162 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Calcium | 54 | 1.0 | 50.00 | 0 | 109 | 85 | 115 | | | |
| Magnesium | 52 | 1.0 | 50.00 | 0 | 104 | 85 | 115 | | | |

Qualifiers:

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- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2312898

05-Mar-24

Client: AMAFCA
Project: CMC FY24 Dry

| Sample ID: MB | SampType: MBLK | TestCode: EPA 200.8: Dissolved Metals | | | | | | | | |
|-----------------------|----------------------------------|--|-----------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: B101952 | RunNo: 101952 | | | | | | | | |
| Prep Date: | Analysis Date: 12/19/2023 | SeqNo: 3760683 | | | Units: mg/L | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Copper | ND | 0.00050 | | | | | | | | |
| Lead | ND | 0.00050 | | | | | | | | |

| Sample ID: LCSLL | SampType: LCSLL | TestCode: EPA 200.8: Dissolved Metals | | | | | | | | |
|---------------------------|----------------------------------|--|-----------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: BatchQC | Batch ID: B101952 | RunNo: 101952 | | | | | | | | |
| Prep Date: | Analysis Date: 12/19/2023 | SeqNo: 3760684 | | | Units: mg/L | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Lead | 0.00051 | 0.00050 | 0.0005000 | 0 | 103 | 50 | 150 | | | |

| Sample ID: LCS | SampType: LCS | TestCode: EPA 200.8: Dissolved Metals | | | | | | | | |
|------------------------|----------------------------------|--|-----------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: B101952 | RunNo: 101952 | | | | | | | | |
| Prep Date: | Analysis Date: 12/19/2023 | SeqNo: 3760686 | | | Units: mg/L | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Copper | 0.024 | 0.00050 | 0.02500 | 0 | 94.4 | 85 | 115 | | | |
| Lead | 0.012 | 0.00050 | 0.01250 | 0 | 97.8 | 85 | 115 | | | |

| Sample ID: LCSLLB | SampType: LCSLL | TestCode: EPA 200.8: Dissolved Metals | | | | | | | | |
|---------------------------|----------------------------------|--|-----------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: BatchQC | Batch ID: B101952 | RunNo: 101952 | | | | | | | | |
| Prep Date: | Analysis Date: 12/19/2023 | SeqNo: 3760688 | | | Units: mg/L | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Copper | 0.00052 | 0.00050 | 0.0005000 | 0 | 104 | 50 | 150 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2312898

05-Mar-24

Client: AMAFCA
Project: CMC FY24 Dry

| Sample ID: MB | SampType: MBLK | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------|----------------------------------|---|-----------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: R101967 | RunNo: 101967 | | | | | | | | |
| Prep Date: | Analysis Date: 12/19/2023 | SeqNo: 3762466 | | | Units: mg/L | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrate+Nitrite as N | ND | 0.20 | | | | | | | | |

| Sample ID: LCS | SampType: LCS | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|------------------------|----------------------------------|---|-----------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: R101967 | RunNo: 101967 | | | | | | | | |
| Prep Date: | Analysis Date: 12/19/2023 | SeqNo: 3762467 | | | Units: mg/L | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrate+Nitrite as N | 3.5 | 0.20 | 3.500 | 0 | 100 | 90 | 110 | | | |

| Sample ID: MB | SampType: MBLK | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------|----------------------------------|---|-----------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: R101967 | RunNo: 101967 | | | | | | | | |
| Prep Date: | Analysis Date: 12/19/2023 | SeqNo: 3762506 | | | Units: mg/L | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrate+Nitrite as N | ND | 0.20 | | | | | | | | |

| Sample ID: LCS | SampType: LCS | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|------------------------|----------------------------------|---|-----------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: R101967 | RunNo: 101967 | | | | | | | | |
| Prep Date: | Analysis Date: 12/19/2023 | SeqNo: 3762508 | | | Units: mg/L | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrate+Nitrite as N | 3.4 | 0.20 | 3.500 | 0 | 97.8 | 90 | 110 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2312898

05-Mar-24

Client: AMAFCA
Project: CMC FY24 Dry

| Sample ID: MB-79411 | SampType: MBLK | TestCode: SM5210B: BOD | | | | | | | | |
|------------------------------|----------------------------------|-------------------------------|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: 79411 | RunNo: 101973 | | | | | | | | |
| Prep Date: 12/15/2023 | Analysis Date: 12/20/2023 | SeqNo: 3762618 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Biochemical Oxygen Demand | ND | 2.00 | | | | | | | | |

| Sample ID: LCS-79411 | SampType: LCS | TestCode: SM5210B: BOD | | | | | | | | |
|------------------------------|----------------------------------|-------------------------------|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: 79411 | RunNo: 101973 | | | | | | | | |
| Prep Date: 12/15/2023 | Analysis Date: 12/20/2023 | SeqNo: 3762619 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Biochemical Oxygen Demand | 141 | 2.00 | 198.0 | 0 | 71.2 | 84.6 | 115.4 | | | S |

| Sample ID: 2312898-002BDUP | SampType: DUP | TestCode: SM5210B: BOD | | | | | | | | |
|------------------------------------|----------------------------------|-------------------------------|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: R6South-20231214 | Batch ID: 79411 | RunNo: 101973 | | | | | | | | |
| Prep Date: 12/15/2023 | Analysis Date: 12/20/2023 | SeqNo: 3762622 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Biochemical Oxygen Demand | ation <2.0 | 2.00 | | | | | | 0 | 20 | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2312898

05-Mar-24

Client: AMAFCA
Project: CMC FY24 Dry

| Sample ID: MB-79689 | SampType: MBLK | TestCode: SM5220D: COD | | | | | | | | |
|----------------------------|--------------------------------|-------------------------------|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: 79689 | RunNo: 102200 | | | | | | | | |
| Prep Date: 1/2/2024 | Analysis Date: 1/3/2024 | SeqNo: 3773398 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chemical Oxygen Demand | ND | 50.0 | | | | | | | | |

| Sample ID: LCS-79689 | SampType: LCS | TestCode: SM5220D: COD | | | | | | | | |
|-----------------------------|--------------------------------|-------------------------------|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: 79689 | RunNo: 102200 | | | | | | | | |
| Prep Date: 1/2/2024 | Analysis Date: 1/3/2024 | SeqNo: 3773399 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chemical Oxygen Demand | 487 | 50.0 | 500.0 | 0 | 97.4 | 90 | 110 | | | |

| Sample ID: LCSLL-79689 | SampType: LCSLL | TestCode: SM5220D: COD | | | | | | | | |
|-------------------------------|--------------------------------|-------------------------------|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: BatchQC | Batch ID: 79689 | RunNo: 102200 | | | | | | | | |
| Prep Date: 1/2/2024 | Analysis Date: 1/3/2024 | SeqNo: 3773400 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chemical Oxygen Demand | 49.8 | 50.0 | 50.00 | 0 | 99.5 | 50 | 150 | | | J |

| Sample ID: 2312898-001HMS | SampType: MS | TestCode: SM5220D: COD | | | | | | | | |
|-------------------------------------|--------------------------------|-------------------------------|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: R6 North-20231213 | Batch ID: 79689 | RunNo: 102200 | | | | | | | | |
| Prep Date: 1/2/2024 | Analysis Date: 1/3/2024 | SeqNo: 3773411 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chemical Oxygen Demand | 495 | 50.0 | 500.0 | 110.3 | 77.0 | 90 | 110 | | | S |

| Sample ID: 2312898-001HMSD | SampType: MSD | TestCode: SM5220D: COD | | | | | | | | |
|-------------------------------------|--------------------------------|-------------------------------|--------------------|-------------|------|----------|-----------|-------|----------|------|
| Client ID: R6 North-20231213 | Batch ID: 79689 | RunNo: 102200 | | | | | | | | |
| Prep Date: 1/2/2024 | Analysis Date: 1/3/2024 | SeqNo: 3773412 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chemical Oxygen Demand | 491 | 50.0 | 500.0 | 110.3 | 76.2 | 90 | 110 | 0.877 | 20 | S |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2312898

05-Mar-24

Client: AMAFCA
Project: CMC FY24 Dry

| Sample ID: MB-79402 | SampType: MBLK | TestCode: SM 9223B Fecal Indicator: E. coli MPN | | | | | | | | |
|------------------------------|----------------------------------|--|-----------|-------------|-------------------------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: 79402 | RunNo: 101861 | | | | | | | | |
| Prep Date: 12/14/2023 | Analysis Date: 12/15/2023 | SeqNo: 3755840 | | | Units: MPN/100mL | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| E. Coli | <1 | 1.000 | | | | | | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2312898

05-Mar-24

Client: AMAFCA
Project: CMC FY24 Dry

| Sample ID: MB | SampType: MBLK | TestCode: SM 4500 NH3: Ammonia | | | | | | | | |
|-----------------------|----------------------------------|---------------------------------------|-----------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: R102011 | RunNo: 102011 | | | | | | | | |
| Prep Date: | Analysis Date: 12/21/2023 | SeqNo: 3764147 | | | Units: mg/L | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Ammonia | ND | 1.0 | | | | | | | | |

| Sample ID: LCS | SampType: LCS | TestCode: SM 4500 NH3: Ammonia | | | | | | | | |
|------------------------|----------------------------------|---------------------------------------|-----------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: R102011 | RunNo: 102011 | | | | | | | | |
| Prep Date: | Analysis Date: 12/21/2023 | SeqNo: 3764148 | | | Units: mg/L | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Ammonia | 10 | 1.0 | 10.00 | 0 | 104 | 80 | 120 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2312898

05-Mar-24

Client: AMAFCA
Project: CMC FY24 Dry

| Sample ID: MB-79761 | SampType: mblk | TestCode: EPA Method 365.1: Total Phosphorous | | | | | | | | |
|----------------------------|--------------------------------|--|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: 79761 | RunNo: 102279 | | | | | | | | |
| Prep Date: 1/6/2024 | Analysis Date: 1/6/2024 | SeqNo: 3776277 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Phosphorus, Total (As P) | ND | 0.050 | | | | | | | | |

| Sample ID: LCS-79761 | SampType: LCS | TestCode: EPA Method 365.1: Total Phosphorous | | | | | | | | |
|-----------------------------|--------------------------------|--|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: 79761 | RunNo: 102279 | | | | | | | | |
| Prep Date: 1/6/2024 | Analysis Date: 1/6/2024 | SeqNo: 3776278 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Phosphorus, Total (As P) | 0.25 | 0.050 | 0.2500 | 0 | 100 | 90 | 110 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2312898

05-Mar-24

Client: AMAFCA
Project: CMC FY24 Dry

| Sample ID: MB-79518 | SampType: MBLK | TestCode: SM2540C MOD: Total Dissolved Solids | | | | | | | | |
|------------------------------|----------------------------------|--|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: 79518 | RunNo: 102025 | | | | | | | | |
| Prep Date: 12/20/2023 | Analysis Date: 12/21/2023 | SeqNo: 3764700 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Total Dissolved Solids | ND | 50.0 | | | | | | | | |

| Sample ID: LCS-79518 | SampType: LCS | TestCode: SM2540C MOD: Total Dissolved Solids | | | | | | | | |
|------------------------------|----------------------------------|--|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: 79518 | RunNo: 102025 | | | | | | | | |
| Prep Date: 12/20/2023 | Analysis Date: 12/21/2023 | SeqNo: 3764701 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Total Dissolved Solids | 995 | 50.0 | 1000 | 0 | 99.5 | 80 | 120 | | | |

| Sample ID: 2312898-001DDUP | SampType: DUP | TestCode: SM2540C MOD: Total Dissolved Solids | | | | | | | | |
|-------------------------------------|----------------------------------|--|--------------------|-------------|------|----------|-----------|-------|----------|------|
| Client ID: R6 North-20231213 | Batch ID: 79518 | RunNo: 102025 | | | | | | | | |
| Prep Date: 12/20/2023 | Analysis Date: 12/21/2023 | SeqNo: 3764719 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Total Dissolved Solids | 202 | 50.0 | | | | | | 0.985 | 10 | |

Qualifiers:

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- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2312898

05-Mar-24

Client: AMAFCA
Project: CMC FY24 Dry

| Sample ID: MB-79864 | SampType: MBLK | TestCode: EPA 351.2: TKN | | | | | | | | |
|-----------------------------|---------------------------------|---------------------------------|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: 79864 | RunNo: 102531 | | | | | | | | |
| Prep Date: 1/11/2024 | Analysis Date: 1/13/2024 | SeqNo: 3787319 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | ND | 0.50 | | | | | | | | |

| Sample ID: LCSLL-79864 | SampType: LCSLL | TestCode: EPA 351.2: TKN | | | | | | | | |
|-------------------------------|---------------------------------|---------------------------------|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: BatchQC | Batch ID: 79864 | RunNo: 102531 | | | | | | | | |
| Prep Date: 1/11/2024 | Analysis Date: 1/13/2024 | SeqNo: 3787320 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | 0.28 | 0 | 0.5000 | 0 | 55.1 | 50 | 150 | | | |

| Sample ID: LCS-79864 | SampType: LCS | TestCode: EPA 351.2: TKN | | | | | | | | |
|-----------------------------|---------------------------------|---------------------------------|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: 79864 | RunNo: 102531 | | | | | | | | |
| Prep Date: 1/11/2024 | Analysis Date: 1/13/2024 | SeqNo: 3787321 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | 9.5 | 0.50 | 10.00 | 0 | 95.2 | 90 | 110 | | | |

| Sample ID: 2312898-001DMS | SampType: MS | TestCode: EPA 351.2: TKN | | | | | | | | |
|-------------------------------------|---------------------------------|---------------------------------|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: R6 North-20231213 | Batch ID: 79864 | RunNo: 102531 | | | | | | | | |
| Prep Date: 1/11/2024 | Analysis Date: 1/13/2024 | SeqNo: 3787323 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | 10 | 0.50 | 10.00 | 0 | 102 | 90 | 110 | | | H |

| Sample ID: 2312898-001DMSD | SampType: MSD | TestCode: EPA 351.2: TKN | | | | | | | | |
|-------------------------------------|---------------------------------|---------------------------------|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: R6 North-20231213 | Batch ID: 79864 | RunNo: 102531 | | | | | | | | |
| Prep Date: 1/11/2024 | Analysis Date: 1/13/2024 | SeqNo: 3787324 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | 11 | 0.50 | 10.00 | 0 | 106 | 90 | 110 | 3.87 | 20 | H |

Qualifiers:

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- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2312898

05-Mar-24

Client: AMAFCA
Project: CMC FY24 Dry

| Sample ID: MB-79522 | SampType: MBLK | TestCode: SM 2540D: TSS | | | | | | | | |
|------------------------------|----------------------------------|--------------------------------|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: 79522 | RunNo: 102014 | | | | | | | | |
| Prep Date: 12/20/2023 | Analysis Date: 12/21/2023 | SeqNo: 3764409 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Suspended Solids | ND | 4.0 | | | | | | | | |

| Sample ID: LCS-79522 | SampType: LCS | TestCode: SM 2540D: TSS | | | | | | | | |
|------------------------------|----------------------------------|--------------------------------|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: 79522 | RunNo: 102014 | | | | | | | | |
| Prep Date: 12/20/2023 | Analysis Date: 12/21/2023 | SeqNo: 3764410 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Suspended Solids | 97 | 4.0 | 91.90 | 0 | 106 | 83.89 | 119.7 | | | |

| Sample ID: MB-79546 | SampType: MBLK | TestCode: SM 2540D: TSS | | | | | | | | |
|------------------------------|----------------------------------|--------------------------------|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: 79546 | RunNo: 102038 | | | | | | | | |
| Prep Date: 12/21/2023 | Analysis Date: 12/22/2023 | SeqNo: 3765815 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Suspended Solids | ND | 4.0 | | | | | | | | |

| Sample ID: LCS-79546 | SampType: LCS | TestCode: SM 2540D: TSS | | | | | | | | |
|------------------------------|----------------------------------|--------------------------------|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: 79546 | RunNo: 102038 | | | | | | | | |
| Prep Date: 12/21/2023 | Analysis Date: 12/22/2023 | SeqNo: 3765816 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Suspended Solids | 87 | 4.0 | 91.90 | 0 | 94.7 | 83.89 | 119.7 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Sample Log-In Check List

Client Name: **AMAFCA** Work Order Number: **2312898** RcptNo: **1**

Received By: **Tracy Casarrubias** 12/14/2023 4:00:00 PM
 Completed By: **Cheyenne Cason** 12/14/2023 4:12:03 PM *Chml*
 Reviewed By: **TMC** *12/14/23 11:47* *12/15/23*

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
 2. How was the sample delivered? Client

Log In

3. Was an attempt made to cool the samples? Yes No NA
 4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
Samples were collected the same day and chilled.
 5. Sample(s) in proper container(s)? Yes No
 6. Sufficient sample volume for indicated test(s)? Yes No
 7. Are samples (except VOA and ONG) properly preserved? Yes No
 8. Was preservative added to bottles? Yes No NA
 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No NA
 10. Were any sample containers received broken? Yes No
 11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
 12. Are matrices correctly identified on Chain of Custody? Yes No *12/19/23*
 13. Is it clear what analyses were requested? Yes No
 14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: 14
 (<2 or >12 unless noted)
 Adjusted? NO
 Checked by: TMC 12/15/23
 BOD/coliform: 12/14/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

| | | | |
|----------------------|----------------------|-------|---|
| Person Notified: | <input type="text"/> | Date: | <input type="text"/> |
| By Whom: | <input type="text"/> | Via: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding: | <input type="text"/> | | |
| Client Instructions: | <input type="text"/> | | |

16. Additional remarks:

17. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 3.8 | Good | Not Present | Morty | | |
| 2 | 7.7 | Good | Not Present | Morty | | |

Samples collected the same day & chilled. 12/19/23

**Collaborative Monitoring Cooperative - Analyses List
Attach to Chain of Custody**

| 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 | 8260C | 7.9 |
| bis(2-Ethylhexyl)phthalate | 117-81-7 | Total | 8270D | 0.2 |
| Dibenzofuran | 132-64-9 | Total | 8270D | 0.2 |
| Indeno(1,2,3-cd)pyrene | 193-39-5 | Total | 8270D | 0.2 |
| Benzo(b)fluoranthene | 205-99-2 | Total | 8270D | 0.1 |
| Benzo(k)fluoranthene | 207-08-9 | Total | 8270D | 0.1 |
| Chrysene | 218-01-9 | Total | 8270D | 0.2 |
| Benzo(a)pyrene | 50-32-8 | Total | 8270D | 0.3 |
| Dibenzo(a,h)anthracene | 53-70-3 | Total | 8270D | 0.3 |
| Benzo(a)anthracene | 56-55-3 | Total | 8270D | 0.2 |
| Dieldrin | 60-57-1 | Total | 8270D | 0.1 |
| Pentachlorophenol | 87-86-5 | Total | 8270D | 0.2 |
| Benzidine | 92-87-5 | Total | 8270D | 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 |

Appendix F - Minimum Quantification Levels (MQL's)

The following Minimum Quantification Levels (MQL's) are to be used for reporting pollutant data for NPDES permit applications and/or compliance reporting.

| POLLUTANTS | MQL µg/l | POLLUTANTS | MQL µg/l |
|--|-----------------|--------------------------------|-------------|
| METALS, RADIOACTIVITY, CYANIDE and CHLORINE | | | |
| Aluminum | 2.5 | Molybdenum | 10 |
| Antimony | 60 | Nickel | 0.5 |
| Arsenic | 0.5 | Selenium | 5 |
| Barium | 100 | Silver | 0.5 |
| Beryllium | 0.5 | Thallium | 0.5 |
| Boron | 100 | Uranium | 0.1 |
| Cadmium | 1 | Vanadium | 50 |
| Chromium | 10 | Zinc | 20 |
| Cobalt | 50 | Cyanide | 10 |
| Copper | 0.5 | Cyanide, weak acid dissociable | 10 |
| Lead | 0.5 | Total Residual Chlorine | 33 |
| Mercury (*) | 0.0005 0.005 | | |
| DIOXIN | | | |
| 2,3,7,8-TCDD | 0.00001 | | |
| VOLATILE COMPOUNDS | | | |
| Acrolein | 50 | 1,3-Dichloropropylene | 10 |
| Acrylonitrile | 20 | Ethylbenzene | 10 |
| Benzene | 10 | Methyl Bromide | 50 |
| Bromoform | 10 | Methylene Chloride | 20 |
| Carbon Tetrachloride | 2 | 1,1,2,2-Tetrachloroethane | 10 |
| Chlorobenzene | 10 | Tetrachloroethylene | 10 |
| Clorodibromomethane | 10 | Toluene | 10 |
| Chloroform | 50 | 1,2-trans-Dichloroethylene | 10 |
| Dichlorobromomethane | 10 | 1,1,2-Trichloroethane | 10 |
| 1,2-Dichloroethane | 10 | Trichloroethylene | 10 |
| 1,1-Dichloroethylene | 10 | Vinyl Chloride | 10 |
| 1,2-Dichloropropane | 10 | | |
| ACID COMPOUNDS | | | |
| 2-Chlorophenol | 10 | 2,4-Dinitrophenol | 50 |
| 2,4-Dichlorophenol | 10 | Pentachlorophenol | 5 |
| 2,4-Dimethylphenol | 10 | Phenol | 10 |
| 4,6-Dinitro-o-Cresol | 50 | 2,4,6-Trichlorophenol | 10 |

ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/1/2024 11:06:42 AM

JOB DESCRIPTION

CMC

JOB NUMBER

885-6986-1

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



Authorized for release by
Erin Munoz, Project Manager
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(505)345-3975

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7/1/2024 11:06:42 AM



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Definitions/Glossary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Project/Site: CMC

Job ID: 885-6986-1

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| α | 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 |

Case Narrative

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Project: CMC

Job ID: 885-6986-1

Job ID: 885-6986-1

Eurofins Albuquerque

Job Narrative 885-6986-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 6/26/2024 4:49 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 26.3°C.

Biology

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

06/26/2024: Rio Grande North
and Rio Grande at Alameda
E. coli tested.

Field Parameters:

- North

Temp = 26.4°C
pH = 8.41
Conductivity = 254.1
Dissolved Oxygen = 4.7

- Alameda

Temp = 28.9°C
pH = 8.40
Conductivity = 272.1
Dissolved Oxygen = 4.5

Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Project/Site: CMC

Job ID: 885-6986-1

Client Sample ID: **RG- North 20240626**

Lab Sample ID: **885-6986-1**

Date Collected: 06/26/24 15:05

Matrix: Water

Date Received: 06/26/24 16:49

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|--------|-----------|------|------|-----------|---|----------|----------------|---------|
| Escherichia coli | 108.0 | | 10.0 | 10.0 | MPN/100mL | | | 06/26/24 18:09 | 1 |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Project/Site: CMC

Job ID: 885-6986-1

Client Sample ID: **RG- Alameda 20240626**

Lab Sample ID: **885-6986-2**

Date Collected: 06/26/24 16:28

Matrix: Water

Date Received: 06/26/24 16:49

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|--------|-----------|------|------|-----------|---|----------|----------------|---------|
| Escherichia coli | 97.0 | | 10.0 | 10.0 | MPN/100mL | | | 06/26/24 18:09 | 1 |

- 1
- 2
- 3
- 4
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- 7
- 8
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- 10
- 11

QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Project/Site: CMC

Job ID: 885-6986-1

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

Lab Sample ID: MB 885-7444/1
Matrix: Water
Analysis Batch: 7444

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------|-----------|--------------|-----|-----|------------|---|----------|----------------|---------|
| O. cherichia coli | ND | | 1rb | 1rb | MPN/1LL2 4 | | | L6/E6/Ef 18:L9 | 1 |

- 1
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QC Association Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Project/Site: CMC

Job ID: 885-6986-1

Biology

Analysis Batch: 7444

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|----------------------|-----------|--------|--------|------------|
| 885-6986-1 | RG- North 20240626 | Total/NA | Water | 9223B | |
| 885-6986-2 | RG- Alameda 20240626 | Total/NA | Water | 9223B | |
| MB 885-7444/1 | Method Blank | Total/NA | Water | 9223B | |

- 1
- 2
- 3
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- 7
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- 10
- 11

Lab Chronicle

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Project/Site: CMC

Job ID: 885-6986-1

Client Sample ID: RG- North 20240626

Lab Sample ID: 885-6986-1

Date Collected: 06/26/24 15:05

Matrix: Water

Date Received: 06/26/24 16:49

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA | Analysis | 9223B | | 1 | 7444 | KH | EET ALB | 06/26/24 18:09 |

Client Sample ID: RG- Alameda 20240626

Lab Sample ID: 885-6986-2

Date Collected: 06/26/24 16:28

Matrix: Water

Date Received: 06/26/24 16:49

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA | Analysis | 9223B | | 1 | 7444 | KH | EET ALB | 06/26/24 18:09 |

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
Project/Site: CMC

Job ID: 885-6986-1

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: AMATCA

Mailing Address:

Phone #:

email or Fax#: pcavez@AMATCA.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: I Torres

On Ice: Yes No

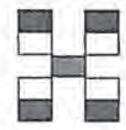
of Coolers: 1

Cooler Temp (including CF): 26.3 ± 0 = 26.3 (°C)

Container Type and #

Preservative Type

HEAL No.



**HALL ENVIRO
ANALYSIS LAB**



L
RY

www.hallenvironmental.co

4901 Hawkins NE - Albuquerque, NM.

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

885-6986 COC

Analysis Request

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | BTEX / MTBE / TMB's (8021) | TPH:8015D(GRO / DRO / MRO) | 8081 Pesticides/8082 PCB's | EDB (Method 504.1) | PAHs by 8310 or 8270SIMS | RCRA 8 Metals | Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄ | 8260 (VOA) | 8270 (Semi-VOA) | Total Coliform (Present/Absent) | E. coli Enumeration | |
|---------|------|--------|----------------------|----------------------|-------------------|----------|----------------------------|----------------------------|----------------------------|--------------------|--------------------------|---------------|--|------------|-----------------|---------------------------------|---------------------|--|
| 6/26/24 | 1505 | AQ | RG- North 20240620 | 1 Britle | NA THD | | | | | | | | | | | | | |
| 6/26/24 | 1628 | AQ | RG- Alameda 20240620 | 1 | 1 | | | | | | | | | | | | | |

Date: 6/26/24 Time: 1647 Relinquished by: [Signature]

Received by: [Signature] Via: CPO Date: 6/26/24 Time: 16:49

Remarks:

Date: Time: Relinquished by:

Received by: Via: Date: Time:

Remarks:

Page 12 of 13

7/1/2024

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: 885-6986-1

Login Number: 6986

List Source: Eurofins Albuquerque

List Number: 1

Creator: McQuiston, Steven

| Question | Answer | Comment |
|---|--------|--|
| Radioactivity wasn't checked or is \leq 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. | 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 <math><6\text{mm}</math> (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |



ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/31/2024 2:26:56 PM

JOB DESCRIPTION

CMC

JOB NUMBER

885-7077-1

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



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

Generated
7/31/2024 2:26:56 PM



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Definitions/Glossary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Project/Site: CMC

Job ID: 885-7077-1

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 |
|-----------|--|
| *+ | LCS and/or LCSD is outside acceptance limits, high biased. |
| S1+ | Surrogate recovery exceeds control limits, high biased. |

GC Semi VOA

| Qualifier | Qualifier Description |
|-----------|--|
| *+ | LCS and/or LCSD is outside acceptance limits, high biased. |
| S1- | Surrogate recovery exceeds control limits, low biased. |
| S1+ | Surrogate recovery exceeds control limits, high biased. |

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 |
|-----------|---|
| 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. |
| b | Result Detected in the Unseeded Control blank (USB). |
| 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. |
|----------------|---|
| α | 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) |

Definitions/Glossary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Project/Site: CMC

Job ID: 885-7077-1

Glossary (Continued)

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|--------------|--|
| 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 |

Case Narrative

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Project: CMC

Job ID: 885-7077-1

Job ID: 885-7077-1

Eurofins Albuquerque

Job Narrative 885-7077-1

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 6/27/2024 2:37 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 1.9°C and 10.4°C.

Subcontract Work

Method Hexavalent Chromium: 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

Method 624.1: The following samples were received outside of holding time: RG-North20240626 (885-7077-1) and RG-South20240627 (885-7077-2).

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: Surrogate recovery for the following sample was outside the upper control limit: RG-North20240626 (885-7077-1). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 625.1_QQQ: Six surrogates are used for this analysis. The laboratory's SOP allows one base and one acid of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: RG-South20240627 (885-7077-2). These results have been reported and qualified.

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

Pesticides

Method 8081B_LL: The surrogate recovery for the blank associated with preparation batch 860-169461 and analytical batch 860-169649 was outside the upper control limits.

Method 8081B_LL: The surrogate recovery for the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) associated with preparation batch 860-169461 and analytical batch 860-169649 was outside the upper control limits.

(LCS 860-169461/2-A) and (LCSD 860-169461/3-A)

Method 8081B_LL: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 860-169461 and analytical batch 860-169649 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.

Pesticides/PCBs

Method 608.3: The Tetrachloro-m-xylene surrogate recovery for the following samples was outside acceptance limits (high biased) on the primary column: (LCS 860-169312/2-A), (LCSD 860-169312/3-A) and (MB 860-169312/1-A). The recovery is within acceptance limits on the other column, indicating that the extraction process was in control.

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Case Narrative

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Project: CMC

Job ID: 885-7077-1

Job ID: 885-7077-1 (Continued)

Eurofins Albuquerque

Method 608.3: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 860-169312 and analytical batch 860-169369 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.

Method 608.3: The surrogate recovery for the blank associated with preparation batch 860-169818 and analytical batch 860-169920 was outside the upper control limits.

(MB 860-169818/1-A)

Method 608.3: The surrogate recovery for the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) associated with preparation batch 860-169818 and analytical batch 860-169920 was outside the upper control limits.

(LCS 860-169818/2-A) and (LCSD 860-169818/3-A)

Method 608.3: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 860-169818 and analytical batch 860-169920 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.

Method 608.3: Surrogate recovery for the following samples were outside the upper control limit: **RG-North20240626 (885-7077-1) and RG-South20240627 (885-7077-2)**. This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 608.3: The following samples were prepared outside of preparation holding time due to surrogate recovery outside control limits (low biased) for original extraction: **RG-North20240626 (885-7077-1) and RG-South20240627 (885-7077-2)**.

Method 608.3: Surrogate recovery for the following sample was outside control limits: **RG-North20240626 (885-7077-1)**. Re-extraction and/or re-analysis was performed and surrogate recovery was outside control limits.

Method 608.3: Surrogate recovery for the following samples were outside control limits: **RG-North20240626 (885-7077-1) and RG-South20240627 (885-7077-2)**. Re-extraction and/or re-analysis was performed and surrogate recovery was outside control limits.

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: The following samples in preparation batch 320-779486 were observed to have a thin layer of sediment present in the bottom of the bottle prior to extraction. **RG-North20240626 (885-7077-1) and RG-South20240627 (885-7077-2)**

Method 1633: The following samples in preparation batch 320-779486 were brown in color prior to extraction. **RG-North20240626 (885-7077-1) and RG-South20240627 (885-7077-2)**

Method 1633: The following samples in preparation batch 320-779486 were yellow in color following extraction. **RG-North20240626 (885-7077-1) and RG-South20240627 (885-7077-2)**

Method 1633: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 320-779486.

Method 1633: The following samples were received preserved with Trizma. Preservation was not added to batch QC samples. **RG-North20240626 (885-7077-1), RG-South20240627 (885-7077-2) and EB-20240627 (885-7077-3)**

Method 1633: 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. However, analyst judgment was used to positively identify the analyte: **RG-North20240626 (885-7077-1) and RG-South20240627 (885-7077-2)**.

Method 1633: The continuing calibration verification (CCV) associated with batch 320-780306 recovered above the upper control limit for Perfluoroheptanesulfonic acid (PFHpS), 4,8-Dioxa-3H-perfluorononanoic acid (ADONA), 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS), 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) and 3-Perfluoroheptylpropanoic acid (7:3 FTCA). The samples associated with this CCV were non-detects for the affected analytes;

Eurofins Albuquerque

Case Narrative

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Project: CMC

Job ID: 885-7077-1

Job ID: 885-7077-1 (Continued)

Eurofins Albuquerque

therefore, the data have been reported. RG-North20240626 (885-7077-1), RG-South20240627 (885-7077-2), EB-20240627 (885-7077-3) and (CCV 320-780306/1).

Method 1633: The continuing calibration verification (CCV) associated with batch 320-780306 recovered above the upper control limit for 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS), 4,8-Dioxa-3H-perfluorononanoic acid (ADONA), 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS) and 11-Chloroeicosfluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. **RG-North20240626 (885-7077-1), RG-South20240627 (885-7077-2), EB-20240627 (885-7077-3)** and (CCV 320-780306/10).

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 SM5210B_BODCalc: The glucose-glutamic acid standard (LCS) recovered outside the recovery limits specified in the method in batch 885-7579. The method holding time had expired, therefore the analysis was not repeated. The data was qualified and reported.

Method SM5210B_BODCalc: The method blank result associated with batch 885-7579 was higher than the method-required limit of 0.2 mg/L.

Method SM5210B_BODCalc: Chlorine was present in the following sample and treated per Method/SOP: **RG-North20240626 (885-7077-1)**. Results may be biased low.

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 prep batch 160-669229:

The detection goal was not met for the following samples due to a reduction of the sample size attributed to high residual mass: **RG-North20240626 (885-7077-1), RG-South20240627 (885-7077-2)** and (885-7077-K-2-D DU). 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.

06/26/2024: Rio Grande North and 06/27/2024 Rio Grande South; both full suite of testing.

Field Parameters:

- North

Temp = 26.4°C

pH = 8.41

Conductivity = 254.1

Dissolved Oxygen = 4.7

- South

Temp = 28.3°C

pH = 8.30

Conductivity = 337.0

Dissolved Oxygen = 5.5

Eurofins Albuquerque

Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

Client Sample ID: RG-North20240626

Lab Sample ID: 885-7077-1

Date Collected: 06/26/24 15:05

Matrix: Water

Date Received: 06/27/24 14:37

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 | | | 07/03/24 02:47 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 104 | | 63 - 144 | | | | | 07/03/24 02:47 | 1 |
| 4-Bromofluorobenzene (Surr) | 105 | | 74 - 124 | | | | | 07/03/24 02:47 | 1 |
| Dibromofluoromethane (Surr) | 106 | | 75 - 131 | | | | | 07/03/24 02:47 | 1 |
| Toluene-d8 (Surr) | 102 | | 80 - 120 | | | | | 07/03/24 02:47 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|--------|------|---|----------------|----------------|---------|
| Benzidine | ND | | 1.2 | 0.091 | ug/L | | 07/02/24 12:40 | 07/03/24 19:01 | 1 |
| Benzo[a]anthracene | ND | *+ | 0.12 | 0.0096 | ug/L | | 07/02/24 12:40 | 07/03/24 19:01 | 1 |
| Benzo[b]fluoranthene | ND | *+ | 0.58 | 0.067 | ug/L | | 07/02/24 12:40 | 07/03/24 19:01 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | *+ | 2.9 | 1.4 | ug/L | | 07/02/24 12:40 | 07/03/24 19:01 | 1 |
| Chrysene | ND | *+ | 0.58 | 0.082 | ug/L | | 07/02/24 12:40 | 07/03/24 19:01 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.12 | 0.051 | ug/L | | 07/02/24 12:40 | 07/03/24 19:01 | 1 |
| Dibenzofuran | ND | | 0.58 | 0.11 | ug/L | | 07/02/24 12:40 | 07/03/24 19:01 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.58 | 0.10 | ug/L | | 07/02/24 12:40 | 07/03/24 19:01 | 1 |
| Pentachlorophenol | ND | | 1.2 | 1.0 | ug/L | | 07/02/24 12:40 | 07/03/24 19:01 | 1 |
| Benzo[k]fluoranthene | ND | *+ | 0.58 | 0.048 | ug/L | | 07/02/24 12:40 | 07/03/24 19:01 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 2-Fluorobiphenyl | 103 | | 43 - 130 | | | | 07/02/24 12:40 | 07/03/24 19:01 | 1 |
| 2-Fluorophenol (Surr) | 107 | | 19 - 120 | | | | 07/02/24 12:40 | 07/03/24 19:01 | 1 |
| Nitrobenzene-d5 (Surr) | 151 | S1+ | 37 - 133 | | | | 07/02/24 12:40 | 07/03/24 19:01 | 1 |
| Phenol-d5 (Surr) | 77 | | 8 - 124 | | | | 07/02/24 12:40 | 07/03/24 19:01 | 1 |
| p-Terphenyl-d14 (Surr) | 98 | | 47 - 130 | | | | 07/02/24 12:40 | 07/03/24 19:01 | 1 |
| 2,4,6-Tribromophenol (Surr) | 115 | | 35 - 130 | | | | 07/02/24 12:40 | 07/03/24 19:01 | 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 | | 07/02/24 22:42 | 07/03/24 14:47 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl (Surr) | 24 | S1- | 45 - 115 | | | | 07/02/24 22:42 | 07/03/24 14:47 | 1 |
| Tetrachloro-m-xylene | 138 | S1+ | 41 - 110 | | | | 07/02/24 22:42 | 07/03/24 14:47 | 1 |

Method: SW846 8081B_LL - Organochlorine Pesticides (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|-----------|-----------|----------|-----------|------|---|----------------|----------------|---------|
| Dieldrin | ND | *+ | 0.000010 | 0.0000000 | mg/L | | 07/03/24 13:50 | 07/05/24 11:41 | 1 |
| | | | | 81 | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl (Surr) | 107 | | 15 - 136 | | | | 07/03/24 13:50 | 07/05/24 11:41 | 1 |
| Tetrachloro-m-xylene | 104 | | 18 - 126 | | | | 07/03/24 13:50 | 07/05/24 11:41 | 1 |

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Nitrate | 0.14 | | 0.10 | 0.020 | mg/L | | | 06/28/24 11:40 | 1 |
| Nitrite | ND | | 0.10 | 0.012 | mg/L | | | 06/28/24 11:40 | 1 |

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Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

Client Sample ID: RG-North20240626

Lab Sample ID: 885-7077-1

Date Collected: 06/26/24 15:05

Matrix: Water

Date Received: 06/27/24 14:37

Method: EPA Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|------------|-----------|-----|------|------|---|----------------|----------------|---------|
| Perfluorobutanoic acid (PFBA) | ND | | 14 | 3.4 | ng/L | | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| Perfluoropentanoic acid (PFPeA) | ND | | 6.8 | 1.7 | ng/L | | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| Perfluorohexanoic acid (PFHxA) | ND | | 3.4 | 0.85 | ng/L | | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| Perfluoroheptanoic acid (PFHpA) | 1.5 | J | 3.4 | 0.85 | ng/L | | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| Perfluorooctanoic acid (PFOA) | ND | | 3.4 | 0.85 | ng/L | | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| Perfluorononanoic acid (PFNA) | ND | | 3.4 | 0.85 | ng/L | | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| Perfluorodecanoic acid (PFDA) | ND | | 3.4 | 0.85 | ng/L | | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| Perfluoroundecanoic acid (PFUnA) | ND | | 3.4 | 0.85 | ng/L | | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| Perfluorododecanoic acid (PFDoA) | ND | | 3.4 | 0.85 | ng/L | | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| Perfluorotridecanoic acid (PFTrDA) | ND | | 3.4 | 0.85 | ng/L | | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| Perfluorotetradecanoic acid (PFTeDA) | ND | | 3.4 | 0.85 | ng/L | | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| Perfluoropentanesulfonic acid (PFPeS) | ND | | 3.4 | 0.85 | ng/L | | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| Perfluoroheptanesulfonic acid (PFHpS) | ND | | 3.4 | 0.85 | ng/L | | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| Perfluoroheptanesulfonic acid (PFHpS) | ND | | 3.4 | 0.85 | ng/L | | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| Perfluorooctanesulfonic acid (PFOS) | 1.6 | J1 | 3.4 | 0.85 | ng/L | | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| Perfluorononanesulfonic acid (PFNS) | ND | | 3.4 | 0.85 | ng/L | | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| Perfluorodecanesulfonic acid (PFDS) | ND | | 3.4 | 0.85 | ng/L | | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| Perfluorododecanesulfonic acid (PFDoS) | ND | | 3.4 | 0.85 | ng/L | | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS) | ND | | 14 | 3.4 | ng/L | | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| 1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS) | ND | | 14 | 3.4 | ng/L | | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| 1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS) | ND | | 14 | 3.4 | ng/L | | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| Perfluorooctanesulfonamide (PFOSA) | ND | | 3.4 | 0.85 | ng/L | | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| N-methylperfluorooctane sulfonamide (NMeFOSA) | ND | | 3.4 | 0.85 | ng/L | | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| N-ethylperfluorooctane sulfonamide (NEtFOSA) | ND | | 3.4 | 0.85 | ng/L | | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA) | ND | | 3.4 | 0.85 | ng/L | | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA) | ND | | 3.4 | 0.85 | ng/L | | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| N-methylperfluorooctane sulfonamidoethanol (NMeFOSE) | ND | | 34 | 8.5 | ng/L | | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE) | ND | | 34 | 8.5 | ng/L | | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | ND | | 14 | 3.4 | ng/L | | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| 4,8-Dioxo-3H-perfluorononanoic acid (ADONA) | ND | | 14 | 3.4 | ng/L | | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | ND | | 6.8 | 1.7 | ng/L | | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | ND | | 6.8 | 1.7 | ng/L | | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| Nonafluoro-3,6-dioxahexanoic acid (NFDHA) | ND | | 6.8 | 1.7 | ng/L | | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9CI-PF3ONS) | ND | | 14 | 3.4 | ng/L | | 07/15/24 11:26 | 07/16/24 19:22 | 1 |

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Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

Client Sample ID: RG-North20240626

Lab Sample ID: 885-7077-1

Date Collected: 06/26/24 15:05

Matrix: Water

Date Received: 06/27/24 14:37

Method: EPA Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| 11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS) | ND | | 14 | 3.4 | ng/L | | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA) | ND | | 6.8 | 1.7 | ng/L | | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| 3-Perfluoropropylpropanoic acid (3:3 FTCA) | ND | | 17 | 4.3 | ng/L | | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| 3-Perfluoropentylpropanoic acid (5:3 FTCA) | ND | | 85 | 21 | ng/L | | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| 3-Perfluoroheptylpropanoic acid (7:3 FTCA) | ND | | 85 | 21 | ng/L | | 07/15/24 11:26 | 07/16/24 19:22 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 13C4 PFBA | 89.0 | | 5 - 130 | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| 13C5 PFPeA | 95.3 | | 40 - 130 | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| 13C5 PFHxA | 85.5 | | 40 - 130 | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| 13C4 PFHpA | 104 | | 40 - 130 | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| 13C8 PFOA | 96.2 | | 40 - 130 | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| 13C9 PFNA | 88.0 | | 40 - 130 | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| 13C6 PFDA | 96.9 | | 40 - 130 | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| 13C7 PFUnA | 84.5 | | 30 - 130 | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| 13C2 PFDoA | 86.7 | | 10 - 130 | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| 13C2 PFTeDA | 67.2 | | 10 - 130 | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| 13C3 PFHxS | 78.0 | | 40 - 130 | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| 13C8 PFOS | 98.1 | | 40 - 130 | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| 13C8 PFOSA | 89.4 | | 40 - 130 | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| d3-NMeFOSAA | 106 | | 40 - 170 | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| d5-NEtFOSAA | 104 | | 25 - 135 | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| 13C2 4:2 FTS | 99.5 | | 40 - 200 | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| 13C2 6:2 FTS | 116 | | 40 - 200 | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| 13C2 8:2 FTS | 101 | | 40 - 300 | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| 13C3 HFPO-DA | 85.6 | | 40 - 130 | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| d7-N-MeFOSE-M | 68.6 | | 10 - 130 | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| d9-N-EtFOSE-M | 66.5 | | 10 - 130 | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| d5-NEtPFOSA | 68.4 | | 10 - 130 | 07/15/24 11:26 | 07/16/24 19:22 | 1 |
| d3-NMePFOSA | 70.3 | | 10 - 130 | 07/15/24 11:26 | 07/16/24 19:22 | 1 |

Method: EPA Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS - RA

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| Perfluorobutanesulfonic acid (PFBS) | 0.89 | J | 3.4 | 0.85 | ng/L | | 07/15/24 11:26 | 07/17/24 15:03 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 13C3 PFBS | 71.5 | | 40 - 135 | 07/15/24 11:26 | 07/17/24 15:03 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| PCB-1 | ND | | 21 | 20 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-2 | ND | | 210 | 17 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-3 | ND | | 62 | 49 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-4 | ND | | 41 | 25 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-5 | ND | | 210 | 11 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-6 | ND | | 210 | 25 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-7 | ND | | 210 | 19 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |

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Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

Client Sample ID: RG-North20240626

Lab Sample ID: 885-7077-1

Date Collected: 06/26/24 15:05

Matrix: Water

Date Received: 06/27/24 14:37

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| PCB-8 | ND | | 210 | 27 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-9 | ND | | 210 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-10 | ND | | 210 | 16 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-11 | ND | | 210 | 150 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-12 | ND | | 410 | 31 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-13 | ND | | 410 | 31 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-14 | ND | | 210 | 72 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-15 | ND | | 41 | 22 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-16 | ND | | 210 | 7.0 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-17 | ND | | 210 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-18 | ND | | 410 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-19 | ND | | 21 | 9.6 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-20 | ND | | 410 | 21 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-21 | ND | | 410 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-22 | ND | | 210 | 7.5 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-23 | ND | | 210 | 8.2 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-24 | ND | | 210 | 9.9 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-25 | ND | | 210 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-26 | ND | | 410 | 9.6 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-27 | ND | | 210 | 9.9 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-28 | ND | | 410 | 21 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-29 | ND | | 410 | 9.6 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-30 | ND | | 410 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-31 | ND | | 210 | 21 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-32 | ND | | 210 | 9.8 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-33 | ND | | 410 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-34 | ND | | 210 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-35 | ND | | 210 | 8.3 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-36 | ND | | 210 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-37 | ND | | 21 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-38 | ND | | 210 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-39 | ND | | 210 | 10 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-40 | ND | | 410 | 12 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-41 | ND | | 210 | 8.6 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-42 | ND | | 210 | 8.4 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-43 | ND | | 210 | 12 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-44 | ND | | 620 | 36 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-45 | ND | | 410 | 7.9 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-46 | ND | | 210 | 11 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-47 | ND | | 620 | 36 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-48 | ND | | 210 | 10 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-49 | ND | | 410 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-50 | ND | | 410 | 11 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-51 | ND | | 410 | 8.0 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-52 | ND | | 210 | 25 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-53 | ND | | 410 | 11 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-54 | ND | | 21 | 8.6 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-55 | ND | | 210 | 7.8 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-56 | ND | | 210 | 6.8 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |

Euofins Albuquerque

Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

Client Sample ID: RG-North20240626

Lab Sample ID: 885-7077-1

Date Collected: 06/26/24 15:05

Matrix: Water

Date Received: 06/27/24 14:37

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|------|-----|------|---|----------------|----------------|---------|
| PCB-57 | ND | | 210 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-58 | ND | | 210 | 16 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-59 | ND | | 620 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-60 | ND | | 210 | 9.7 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-61 | ND | | 820 | 20 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-62 | ND | | 620 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-63 | ND | | 210 | 10 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-64 | ND | | 210 | 9.6 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-65 | ND | | 620 | 36 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-66 | ND | | 210 | 11 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-67 | ND | | 210 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-68 | ND | | 210 | 9.4 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-69 | ND | | 410 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-70 | ND | | 820 | 20 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-71 | ND | | 410 | 12 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-72 | ND | | 210 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-73 | ND | | 210 | 5.4 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-74 | ND | | 820 | 20 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-75 | ND | | 620 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-76 | ND | | 820 | 20 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-77 | ND | | 21 | 17 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-78 | ND | | 210 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-79 | ND | | 210 | 8.3 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-80 | ND | | 210 | 8.3 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-81 | ND | | 21 | 17 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-82 | ND | | 210 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-83 | ND | | 410 | 9.6 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-84 | ND | | 210 | 10 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-85 | ND | | 620 | 17 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-86 | ND | | 1200 | 30 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-87 | ND | | 1200 | 30 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-88 | ND | | 410 | 9.2 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-89 | ND | | 210 | 8.5 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-90 | ND | | 620 | 17 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-91 | ND | | 410 | 9.2 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-92 | ND | | 210 | 12 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-93 | ND | | 410 | 11 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-94 | ND | | 210 | 11 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-95 | ND | | 210 | 32 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-96 | ND | | 210 | 16 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-97 | ND | | 1200 | 30 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-98 | ND | | 410 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-99 | ND | | 410 | 8.2 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-100 | ND | | 410 | 11 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-101 | ND | | 620 | 17 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-102 | ND | | 410 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-103 | ND | | 210 | 8.9 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-104 | ND | | 21 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-105 | ND | | 21 | 9.5 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |

Euofins Albuquerque

Client Sample Results

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 Project/Site: CMC

Job ID: 885-7077-1

Client Sample ID: RG-North20240626

Lab Sample ID: 885-7077-1

Date Collected: 06/26/24 15:05

Matrix: Water

Date Received: 06/27/24 14:37

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|------|-----|------|---|----------------|----------------|---------|
| PCB-106 | ND | | 210 | 8.5 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-107 | ND | | 210 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-108 | ND | | 410 | 30 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-109 | ND | | 1200 | 5.1 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-110 | ND | | 410 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-111 | ND | | 210 | 8.9 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-112 | ND | | 210 | 6.4 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-113 | ND | | 620 | 17 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-114 | ND | | 21 | 7.9 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-115 | ND | | 410 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-116 | ND | | 620 | 17 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-117 | ND | | 620 | 17 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-118 | ND | | 21 | 9.1 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-119 | ND | | 1200 | 30 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-120 | ND | | 210 | 5.8 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-121 | ND | | 210 | 11 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-122 | ND | | 210 | 8.3 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-123 | ND | | 21 | 10 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-124 | ND | | 410 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-125 | ND | | 1200 | 30 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-126 | ND | | 21 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-127 | ND | | 210 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-128 | ND | | 410 | 10 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-129 | ND | | 820 | 16 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-130 | ND | | 210 | 11 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-131 | ND | | 210 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-132 | ND | | 210 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-133 | ND | | 210 | 11 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-134 | ND | | 410 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-135 | ND | | 410 | 10 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-136 | ND | | 210 | 6.3 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-137 | ND | | 210 | 12 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-138 | ND | | 820 | 16 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-139 | ND | | 410 | 9.6 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-140 | ND | | 410 | 9.6 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-141 | ND | | 210 | 7.4 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-142 | ND | | 210 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-143 | ND | | 410 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-144 | ND | | 210 | 6.3 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-145 | ND | | 210 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-146 | ND | | 210 | 7.3 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-147 | ND | | 410 | 9.6 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-148 | ND | | 210 | 6.8 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-149 | ND | | 410 | 9.6 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-150 | ND | | 210 | 12 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-151 | ND | | 410 | 10 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-152 | ND | | 210 | 5.6 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-153 | ND | | 410 | 9.6 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-154 | ND | | 210 | 5.9 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |

Euofins Albuquerque

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 Project/Site: CMC

Job ID: 885-7077-1

Client Sample ID: RG-North20240626

Lab Sample ID: 885-7077-1

Date Collected: 06/26/24 15:05

Matrix: Water

Date Received: 06/27/24 14:37

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| PCB-155 | ND | | 21 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-156 | ND | | 41 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-157 | ND | | 41 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-158 | ND | | 210 | 11 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-159 | ND | | 210 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-160 | ND | | 820 | 7.5 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-161 | ND | | 210 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-162 | ND | | 210 | 9.2 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-163 | ND | | 820 | 16 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-164 | ND | | 210 | 21 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-165 | ND | | 210 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-166 | ND | | 410 | 10 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-167 | ND | | 21 | 7.9 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-168 | ND | | 410 | 9.6 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-169 | ND | | 21 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-170 | ND | | 210 | 19 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-171 | ND | | 410 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-172 | ND | | 210 | 16 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-173 | ND | | 410 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-174 | ND | | 210 | 17 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-175 | ND | | 210 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-176 | ND | | 210 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-177 | ND | | 210 | 16 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-178 | ND | | 210 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-179 | ND | | 210 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-180 | ND | | 410 | 10 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-181 | ND | | 210 | 20 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-182 | ND | | 210 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-183 | ND | | 210 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-184 | ND | | 210 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-185 | ND | | 210 | 12 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-186 | ND | | 210 | 16 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-187 | ND | | 210 | 19 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-188 | ND | | 21 | 10 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-189 | ND | | 21 | 16 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-190 | ND | | 210 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-191 | ND | | 210 | 20 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-192 | ND | | 210 | 17 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-193 | ND | | 410 | 10 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-194 | ND | | 210 | 9.0 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-195 | ND | | 210 | 18 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-196 | ND | | 210 | 16 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-197 | ND | | 210 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-198 | ND | | 410 | 8.0 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-199 | ND | | 410 | 8.0 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-200 | ND | | 210 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-201 | ND | | 210 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-202 | ND | | 21 | 12 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-203 | ND | | 210 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |

Euofins Albuquerque

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Job ID: 885-7077-1

Client Sample ID: RG-North20240626

Lab Sample ID: 885-7077-1

Date Collected: 06/26/24 15:05

Matrix: Water

Date Received: 06/27/24 14:37

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| PCB-204 | ND | | 210 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-205 | ND | | 21 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-206 | ND | | 21 | 8.5 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-207 | ND | | 210 | 5.6 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-208 | ND | | 21 | 12 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-209 | ND | | 21 | 12 | pg/L | | 07/08/24 12:40 | 07/12/24 04:49 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| PCB-1L | 70 | | 15 - 150 | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-3L | 72 | | 15 - 150 | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-4L | 66 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-15L | 76 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-19L | 76 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-37L | 67 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-54L | 57 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-77L | 76 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-81L | 74 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-104L | 52 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-105L | 73 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-114L | 72 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-118L | 73 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-123L | 72 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-126L | 77 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-155L | 59 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-156L | 96 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-156L/157L | 96 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-157L | 96 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-167L | 93 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-169L | 96 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-188L | 55 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-189L | 73 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-202L | 65 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-205L | 79 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-206L | 74 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-208L | 65 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-209L | 71 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 04:49 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------|-----------|-----------|----------|----------------|----------------|---------|
| PCB-28L | 68 | | 30 - 135 | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-111L | 75 | | 30 - 135 | 07/08/24 12:40 | 07/12/24 04:49 | 1 |
| PCB-178L | 85 | | 30 - 135 | 07/08/24 12:40 | 07/12/24 04:49 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|-----|-------|------|---|----------------|----------------|---------|
| Calcium | 33 | | 1.0 | 0.053 | mg/L | | 07/02/24 13:43 | 07/10/24 15:01 | 1 |
| Magnesium | 6.4 | | 1.0 | 0.033 | mg/L | | 07/02/24 13:43 | 07/08/24 12:07 | 1 |

Method: EPA 200.8 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| Uranium | 1.5 | | 1.0 | 0.15 | ug/L | | 07/16/24 15:34 | 07/19/24 14:39 | 2 |

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Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

Client Sample ID: RG-North20240626

Lab Sample ID: 885-7077-1

Date Collected: 06/26/24 15:05

Matrix: Water

Date Received: 06/27/24 14:37

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 | | | 07/09/24 10:31 | 1 |
| Copper | 0.00095 | | 0.00050 | 0.00012 | mg/L | | | 07/09/24 10:31 | 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 | 110 | | 6.6 | 2.5 | mg/L | | | 07/09/24 15:25 | 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 | | | 07/08/24 09:19 | 1 |
| Total Dissolved Solids (SM 2540C) | 250 | | 50 | 25 | mg/L | | | 07/02/24 14:21 | 1 |
| Nitrogen, Total Kjeldahl (EPA 351.2) | 0.60 | | 0.50 | 0.50 | mg/L | | 07/08/24 11:40 | 07/09/24 13:01 | 1 |
| Total Phosphorus as P (EPA 365.1) | 0.13 | | 0.050 | 0.050 | mg/L | | 07/11/24 08:30 | 07/16/24 09:30 | 1 |
| Chemical Oxygen Demand (SM 5220D) | ND | | 50 | 50 | mg/L | | | 07/09/24 14:14 | 1 |
| Total Suspended Solids (SM 2540D) | 58 | | 4.0 | 4.0 | mg/L | | | 07/02/24 16:35 | 1 |
| pH (SM 4500 H+ B) | 8.1 | HF | 0.1 | 0.1 | SU | | | 07/09/24 22:21 | 1 |
| Biochemical Oxygen Demand (SM5210B) | 2.0 | *- b | 2.0 | 2.0 | mg/L | | | 06/28/24 11:05 | 1 |

General Chemistry - Dissolved

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Total Phosphorus as P (EPA 365.1) | 0.055 | | 0.050 | 0.050 | mg/L | | 07/11/24 08:30 | 07/16/24 09:32 | 1 |

Method: EPA 900.0 - Gross Alpha and Gross Beta Radioactivity

| Analyte | Result | Qualifier | Count | | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|-------------|--------|-----------|-----------------|---------------|------|------|-------|----------------|----------------|---------|
| | | | Uncert. (2σ+/-) | Total (2σ+/-) | | | | | | |
| Gross Alpha | 6.25 | G | 2.76 | 2.85 | 3.00 | 3.55 | pCi/L | 07/03/24 08:58 | 07/18/24 17:21 | 1 |
| Gross Beta | 5.30 | | 1.17 | 1.28 | 4.00 | 1.26 | pCi/L | 07/03/24 08:58 | 07/18/24 17:21 | 1 |

Method: SM Gross Alpha Adj - Gross Alpha Adjusted

| Analyte | Result | Qualifier | Count | | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|-----------------|---------------|------|------|-------|----------|----------------|---------|
| | | | Uncert. (2σ+/-) | Total (2σ+/-) | | | | | | |
| Adjusted Gross Alpha | 5.25 | | | | 3.00 | 3.55 | pCi/L | | 07/19/24 14:39 | 1 |

Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

Client Sample ID: RG-South20240627

Lab Sample ID: 885-7077-2

Date Collected: 06/27/24 13:10

Matrix: Water

Date Received: 06/27/24 14:37

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 | | | 07/03/24 03:08 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 104 | | 63 - 144 | | | | | 07/03/24 03:08 | 1 |
| 4-Bromofluorobenzene (Surr) | 105 | | 74 - 124 | | | | | 07/03/24 03:08 | 1 |
| Dibromofluoromethane (Surr) | 105 | | 75 - 131 | | | | | 07/03/24 03:08 | 1 |
| Toluene-d8 (Surr) | 102 | | 80 - 120 | | | | | 07/03/24 03:08 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|--------|------|---|----------------|----------------|---------|
| Benzidine | ND | | 1.1 | 0.090 | ug/L | | 07/02/24 12:40 | 07/05/24 15:46 | 1 |
| Benzo[a]anthracene | ND | *+ | 0.11 | 0.0095 | ug/L | | 07/02/24 12:40 | 07/05/24 15:46 | 1 |
| Benzo[b]fluoranthene | ND | *+ | 0.57 | 0.066 | ug/L | | 07/02/24 12:40 | 07/05/24 15:46 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | *+ | 2.8 | 1.4 | ug/L | | 07/02/24 12:40 | 07/05/24 15:46 | 1 |
| Chrysene | ND | *+ | 0.57 | 0.081 | ug/L | | 07/02/24 12:40 | 07/05/24 15:46 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.11 | 0.051 | ug/L | | 07/02/24 12:40 | 07/05/24 15:46 | 1 |
| Dibenzofuran | ND | | 0.57 | 0.11 | ug/L | | 07/02/24 12:40 | 07/05/24 15:46 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.57 | 0.10 | ug/L | | 07/02/24 12:40 | 07/05/24 15:46 | 1 |
| Pentachlorophenol | ND | | 1.1 | 1.0 | ug/L | | 07/02/24 12:40 | 07/05/24 15:46 | 1 |
| Benzo[k]fluoranthene | ND | *+ | 0.57 | 0.047 | ug/L | | 07/02/24 12:40 | 07/05/24 15:46 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 2-Fluorobiphenyl | 123 | | 43 - 130 | | | | 07/02/24 12:40 | 07/05/24 15:46 | 1 |
| 2-Fluorophenol (Surr) | 87 | | 19 - 120 | | | | 07/02/24 12:40 | 07/05/24 15:46 | 1 |
| Nitrobenzene-d5 (Surr) | 144 | S1+ | 37 - 133 | | | | 07/02/24 12:40 | 07/05/24 15:46 | 1 |
| Phenol-d5 (Surr) | 61 | | 8 - 124 | | | | 07/02/24 12:40 | 07/05/24 15:46 | 1 |
| p-Terphenyl-d14 (Surr) | 89 | | 47 - 130 | | | | 07/02/24 12:40 | 07/05/24 15:46 | 1 |
| 2,4,6-Tribromophenol (Surr) | 153 | S1+ | 35 - 130 | | | | 07/02/24 12:40 | 07/05/24 15:46 | 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 | | 07/02/24 22:42 | 07/03/24 14:58 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl (Surr) | 29 | S1- | 45 - 115 | | | | 07/02/24 22:42 | 07/03/24 14:58 | 1 |
| Tetrachloro-m-xylene | 145 | S1+ | 41 - 110 | | | | 07/02/24 22:42 | 07/03/24 14:58 | 1 |

Method: SW846 8081B_LL - Organochlorine Pesticides (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|-----------|-----------|----------|-----------|------|---|----------------|----------------|---------|
| Dieldrin | ND | *+ | 0.000010 | 0.0000000 | mg/L | | 07/03/24 13:50 | 07/05/24 12:10 | 1 |
| | | | | 81 | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl (Surr) | 103 | | 15 - 136 | | | | 07/03/24 13:50 | 07/05/24 12:10 | 1 |
| Tetrachloro-m-xylene | 111 | | 18 - 126 | | | | 07/03/24 13:50 | 07/05/24 12:10 | 1 |

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Nitrate | 0.62 | | 0.10 | 0.020 | mg/L | | | 06/28/24 12:29 | 1 |
| Nitrite | ND | | 0.10 | 0.012 | mg/L | | | 06/28/24 12:29 | 1 |

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Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

Client Sample ID: RG-South20240627

Lab Sample ID: 885-7077-2

Date Collected: 06/27/24 13:10

Matrix: Water

Date Received: 06/27/24 14:37

Method: EPA Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| Perfluorobutanoic acid (PFBA) | 3.8 | J | 12 | 3.0 | ng/L | | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| Perfluoropentanoic acid (PFPeA) | 3.1 | J | 6.1 | 1.5 | ng/L | | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| Perfluorohexanoic acid (PFHxA) | 2.2 | J | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| Perfluoroheptanoic acid (PFHpA) | ND | | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| Perfluorooctanoic acid (PFOA) | 1.5 | J | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| Perfluorononanoic acid (PFNA) | 1.0 | J | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| Perfluorodecanoic acid (PFDA) | ND | | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| Perfluoroundecanoic acid (PFUnA) | ND | | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| Perfluorododecanoic acid (PFDoA) | ND | | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| Perfluorotridecanoic acid (PFTrDA) | ND | | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| Perfluorotetradecanoic acid (PFTeDA) | ND | | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| Perfluoropentanesulfonic acid (PFPeS) | ND | | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| Perfluoroheptanesulfonic acid (PFHpS) | ND | | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| Perfluorooctanesulfonic acid (PFOS) | 1.6 | J1 | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| Perfluorononanesulfonic acid (PFNS) | ND | | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| Perfluorodecanesulfonic acid (PFDS) | ND | | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| Perfluorododecanesulfonic acid (PFDoS) | ND | | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS) | ND | | 12 | 3.0 | ng/L | | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| 1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS) | ND | | 12 | 3.0 | ng/L | | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| 1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS) | ND | | 12 | 3.0 | ng/L | | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| Perfluorooctanesulfonamide (PFOSA) | ND | | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| N-methylperfluorooctane sulfonamide (NMeFOSA) | ND | | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| N-ethylperfluorooctane sulfonamide (NEtFOSA) | ND | | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA) | ND | | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA) | ND | | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| N-methylperfluorooctane sulfonamidoethanol (NMeFOSE) | ND | | 30 | 7.6 | ng/L | | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE) | ND | | 30 | 7.6 | ng/L | | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | ND | | 12 | 3.0 | ng/L | | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| 4,8-Dioxo-3H-perfluorononanoic acid (ADONA) | ND | | 12 | 3.0 | ng/L | | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | ND | | 6.1 | 1.5 | ng/L | | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | ND | | 6.1 | 1.5 | ng/L | | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | ND | | 6.1 | 1.5 | ng/L | | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS) | ND | | 12 | 3.0 | ng/L | | 07/15/24 11:26 | 07/16/24 19:39 | 1 |

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Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

Client Sample ID: RG-South20240627

Lab Sample ID: 885-7077-2

Date Collected: 06/27/24 13:10

Matrix: Water

Date Received: 06/27/24 14:37

Method: EPA Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| 11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS) | ND | | 12 | 3.0 | ng/L | | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA) | ND | | 6.1 | 1.5 | ng/L | | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| 3-Perfluoropropylpropanoic acid (3:3 FTCA) | ND | | 15 | 3.8 | ng/L | | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| 3-Perfluoropentylpropanoic acid (5:3 FTCA) | ND | | 76 | 19 | ng/L | | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| 3-Perfluoroheptylpropanoic acid (7:3 FTCA) | ND | | 76 | 19 | ng/L | | 07/15/24 11:26 | 07/16/24 19:39 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 13C4 PFBA | 95.6 | | 5 - 130 | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| 13C5 PFPeA | 102 | | 40 - 130 | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| 13C5 PFHxA | 96.9 | | 40 - 130 | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| 13C4 PFHpA | 110 | | 40 - 130 | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| 13C8 PFOA | 96.8 | | 40 - 130 | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| 13C9 PFNA | 87.6 | | 40 - 130 | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| 13C6 PFDA | 94.8 | | 40 - 130 | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| 13C7 PFUnA | 94.3 | | 30 - 130 | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| 13C2 PFDoA | 86.3 | | 10 - 130 | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| 13C2 PFTeDA | 71.2 | | 10 - 130 | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| 13C3 PFHxS | 82.6 | | 40 - 130 | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| 13C8 PFOS | 105 | | 40 - 130 | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| 13C8 PFOSA | 94.1 | | 40 - 130 | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| d3-NMeFOSAA | 104 | | 40 - 170 | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| d5-NEtFOSAA | 111 | | 25 - 135 | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| 13C2 4:2 FTS | 99.0 | | 40 - 200 | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| 13C2 6:2 FTS | 117 | | 40 - 200 | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| 13C2 8:2 FTS | 107 | | 40 - 300 | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| 13C3 HFPO-DA | 93.1 | | 40 - 130 | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| d7-N-MeFOSE-M | 66.7 | | 10 - 130 | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| d9-N-EtFOSE-M | 63.5 | | 10 - 130 | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| d5-NEtPFOSA | 65.1 | | 10 - 130 | 07/15/24 11:26 | 07/16/24 19:39 | 1 |
| d3-NMePFOSA | 67.6 | | 10 - 130 | 07/15/24 11:26 | 07/16/24 19:39 | 1 |

Method: EPA Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS - RA

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| Perfluorobutanesulfonic acid (PFBS) | 4.1 | | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/17/24 15:21 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 13C3 PFBS | 78.6 | | 40 - 135 | 07/15/24 11:26 | 07/17/24 15:21 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| PCB-1 | ND | | 21 | 20 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-2 | ND | | 210 | 17 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-3 | ND | | 62 | 50 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-4 | ND | | 41 | 25 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-5 | ND | | 210 | 11 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-6 | ND | | 210 | 26 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-7 | ND | | 210 | 19 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |

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Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

Client Sample ID: RG-South20240627

Lab Sample ID: 885-7077-2

Date Collected: 06/27/24 13:10

Matrix: Water

Date Received: 06/27/24 14:37

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| PCB-8 | ND | | 210 | 27 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-9 | ND | | 210 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-10 | ND | | 210 | 16 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-11 | ND | | 210 | 150 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-12 | ND | | 410 | 32 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-13 | ND | | 410 | 32 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-14 | ND | | 210 | 73 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-15 | ND | | 41 | 22 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-16 | ND | | 210 | 7.1 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-17 | ND | | 210 | 16 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-18 | ND | | 410 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-19 | ND | | 21 | 9.7 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-20 | ND | | 410 | 22 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-21 | ND | | 410 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-22 | ND | | 210 | 7.6 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-23 | ND | | 210 | 8.3 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-24 | ND | | 210 | 10 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-25 | ND | | 210 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-26 | ND | | 410 | 9.7 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-27 | ND | | 210 | 10 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-28 | ND | | 410 | 22 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-29 | ND | | 410 | 9.7 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-30 | ND | | 410 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-31 | ND | | 210 | 21 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-32 | ND | | 210 | 9.9 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-33 | ND | | 410 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-34 | ND | | 210 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-35 | ND | | 210 | 8.4 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-36 | ND | | 210 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-37 | ND | | 21 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-38 | ND | | 210 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-39 | ND | | 210 | 10 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-40 | ND | | 410 | 12 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-41 | ND | | 210 | 8.7 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-42 | ND | | 210 | 8.5 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-43 | ND | | 210 | 12 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-44 | ND | | 620 | 36 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-45 | ND | | 410 | 8.0 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-46 | ND | | 210 | 12 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-47 | ND | | 620 | 36 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-48 | ND | | 210 | 10 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-49 | ND | | 410 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-50 | ND | | 410 | 11 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-51 | ND | | 410 | 8.1 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-52 | ND | | 210 | 25 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-53 | ND | | 410 | 11 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-54 | ND | | 21 | 8.6 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-55 | ND | | 210 | 7.9 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-56 | ND | | 210 | 6.9 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |

Eurofins Albuquerque

Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

Client Sample ID: RG-South20240627

Lab Sample ID: 885-7077-2

Date Collected: 06/27/24 13:10

Matrix: Water

Date Received: 06/27/24 14:37

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|------|-----|------|---|----------------|----------------|---------|
| PCB-57 | ND | | 210 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-58 | ND | | 210 | 16 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-59 | ND | | 620 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-60 | ND | | 210 | 9.9 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-61 | ND | | 830 | 20 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-62 | ND | | 620 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-63 | ND | | 210 | 10 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-64 | ND | | 210 | 9.8 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-65 | ND | | 620 | 36 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-66 | ND | | 210 | 11 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-67 | ND | | 210 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-68 | ND | | 210 | 9.5 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-69 | ND | | 410 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-70 | ND | | 830 | 20 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-71 | ND | | 410 | 12 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-72 | ND | | 210 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-73 | ND | | 210 | 5.5 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-74 | ND | | 830 | 20 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-75 | ND | | 620 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-76 | ND | | 830 | 20 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-77 | ND | | 21 | 17 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-78 | ND | | 210 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-79 | ND | | 210 | 8.4 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-80 | ND | | 210 | 8.4 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-81 | ND | | 21 | 17 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-82 | ND | | 210 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-83 | ND | | 410 | 9.7 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-84 | ND | | 210 | 10 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-85 | ND | | 620 | 17 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-86 | ND | | 1200 | 30 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-87 | ND | | 1200 | 30 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-88 | ND | | 410 | 9.3 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-89 | ND | | 210 | 8.6 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-90 | ND | | 620 | 17 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-91 | ND | | 410 | 9.3 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-92 | ND | | 210 | 12 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-93 | ND | | 410 | 11 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-94 | ND | | 210 | 11 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-95 | ND | | 210 | 33 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-96 | ND | | 210 | 16 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-97 | ND | | 1200 | 30 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-98 | ND | | 410 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-99 | ND | | 410 | 8.3 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-100 | ND | | 410 | 11 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-101 | ND | | 620 | 17 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-102 | ND | | 410 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-103 | ND | | 210 | 9.0 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-104 | ND | | 21 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-105 | ND | | 21 | 9.6 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |

Euofins Albuquerque

Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

Client Sample ID: RG-South20240627

Lab Sample ID: 885-7077-2

Date Collected: 06/27/24 13:10

Matrix: Water

Date Received: 06/27/24 14:37

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|-----------|------------|------|-----|------|---|----------------|----------------|---------|
| PCB-106 | ND | | 210 | 8.6 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-107 | ND | | 210 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-108 | ND | | 410 | 30 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-109 | ND | | 1200 | 5.2 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-110 | 21 | J q | 410 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-111 | ND | | 210 | 9.0 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-112 | ND | | 210 | 6.5 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-113 | ND | | 620 | 17 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-114 | ND | | 21 | 8.0 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-115 | 21 | J q | 410 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-116 | ND | | 620 | 17 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-117 | ND | | 620 | 17 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-118 | 13 | J q | 21 | 9.2 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-119 | ND | | 1200 | 30 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-120 | ND | | 210 | 5.8 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-121 | ND | | 210 | 11 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-122 | ND | | 210 | 8.4 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-123 | ND | | 21 | 10 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-124 | ND | | 410 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-125 | ND | | 1200 | 30 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-126 | ND | | 21 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-127 | ND | | 210 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-128 | ND | | 410 | 10 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-129 | 28 | J q | 830 | 16 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-130 | ND | | 210 | 11 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-131 | ND | | 210 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-132 | ND | | 210 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-133 | ND | | 210 | 11 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-134 | ND | | 410 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-135 | ND | | 410 | 10 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-136 | ND | | 210 | 6.3 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-137 | ND | | 210 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-138 | 28 | J q | 830 | 16 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-139 | ND | | 410 | 9.7 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-140 | ND | | 410 | 9.7 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-141 | ND | | 210 | 7.5 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-142 | ND | | 210 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-143 | ND | | 410 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-144 | ND | | 210 | 6.4 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-145 | ND | | 210 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-146 | ND | | 210 | 7.4 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-147 | 23 | J q | 410 | 9.7 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-148 | ND | | 210 | 6.9 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-149 | 23 | J q | 410 | 9.7 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-150 | ND | | 210 | 12 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-151 | ND | | 410 | 10 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-152 | ND | | 210 | 5.7 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-153 | 26 | J | 410 | 9.7 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-154 | ND | | 210 | 6.0 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |

Euofins Albuquerque

Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

Client Sample ID: RG-South20240627

Lab Sample ID: 885-7077-2

Date Collected: 06/27/24 13:10

Matrix: Water

Date Received: 06/27/24 14:37

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|-----------|------------|-----|-----|------|---|----------------|----------------|---------|
| PCB-155 | ND | | 21 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-156 | ND | | 41 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-157 | ND | | 41 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-158 | ND | | 210 | 12 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-159 | ND | | 210 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-160 | 28 | J q | 830 | 7.6 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-161 | ND | | 210 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-162 | ND | | 210 | 9.4 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-163 | 28 | J q | 830 | 16 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-164 | ND | | 210 | 21 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-165 | ND | | 210 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-166 | ND | | 410 | 10 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-167 | ND | | 21 | 7.9 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-168 | 26 | J | 410 | 9.7 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-169 | ND | | 21 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-170 | ND | | 210 | 20 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-171 | ND | | 410 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-172 | ND | | 210 | 16 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-173 | ND | | 410 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-174 | ND | | 210 | 17 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-175 | ND | | 210 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-176 | ND | | 210 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-177 | ND | | 210 | 16 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-178 | ND | | 210 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-179 | ND | | 210 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-180 | 29 | J | 410 | 10 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-181 | ND | | 210 | 20 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-182 | ND | | 210 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-183 | ND | | 210 | 16 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-184 | ND | | 210 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-185 | ND | | 210 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-186 | ND | | 210 | 16 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-187 | ND | | 210 | 20 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-188 | ND | | 21 | 10 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-189 | ND | | 21 | 16 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-190 | ND | | 210 | 16 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-191 | ND | | 210 | 21 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-192 | ND | | 210 | 18 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-193 | 29 | J | 410 | 10 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-194 | ND | | 210 | 9.1 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-195 | ND | | 210 | 19 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-196 | ND | | 210 | 16 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-197 | ND | | 210 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-198 | ND | | 410 | 8.1 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-199 | ND | | 410 | 8.1 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-200 | ND | | 210 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-201 | ND | | 210 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-202 | ND | | 21 | 12 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-203 | ND | | 210 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |

Eurofins Albuquerque

Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

Client Sample ID: RG-South20240627

Lab Sample ID: 885-7077-2

Date Collected: 06/27/24 13:10

Matrix: Water

Date Received: 06/27/24 14:37

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| PCB-204 | ND | | 210 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-205 | ND | | 21 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-206 | ND | | 21 | 8.6 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-207 | ND | | 210 | 5.6 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-208 | ND | | 21 | 12 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-209 | ND | | 21 | 12 | pg/L | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| PCB-1L | 72 | | 15 - 150 | | | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-3L | 74 | | 15 - 150 | | | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-4L | 65 | | 25 - 150 | | | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-15L | 72 | | 25 - 150 | | | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-19L | 76 | | 25 - 150 | | | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-37L | 70 | | 25 - 150 | | | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-54L | 62 | | 25 - 150 | | | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-77L | 79 | | 25 - 150 | | | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-81L | 76 | | 25 - 150 | | | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-104L | 53 | | 25 - 150 | | | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-105L | 70 | | 25 - 150 | | | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-114L | 68 | | 25 - 150 | | | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-118L | 67 | | 25 - 150 | | | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-123L | 68 | | 25 - 150 | | | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-126L | 72 | | 25 - 150 | | | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-155L | 62 | | 25 - 150 | | | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-156L | 96 | | 25 - 150 | | | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-156L/157L | 96 | | 25 - 150 | | | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-157L | 96 | | 25 - 150 | | | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-167L | 94 | | 25 - 150 | | | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-169L | 95 | | 25 - 150 | | | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-188L | 53 | | 25 - 150 | | | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-189L | 64 | | 25 - 150 | | | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-202L | 60 | | 25 - 150 | | | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-205L | 72 | | 25 - 150 | | | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-206L | 62 | | 25 - 150 | | | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-208L | 63 | | 25 - 150 | | | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-209L | 70 | | 25 - 150 | | | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
|-----------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| PCB-28L | 75 | | 30 - 135 | | | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-111L | 78 | | 30 - 135 | | | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |
| PCB-178L | 93 | | 30 - 135 | | | | 07/08/24 12:40 | 07/12/24 05:52 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|-----|-------|------|---|----------------|----------------|---------|
| Calcium | 41 | | 1.0 | 0.053 | mg/L | | 07/02/24 13:43 | 07/10/24 15:03 | 1 |
| Magnesium | 8.3 | | 1.0 | 0.033 | mg/L | | 07/02/24 13:43 | 07/08/24 12:11 | 1 |

Method: EPA 200.8 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| Uranium | 1.6 | | 1.0 | 0.15 | ug/L | | 07/16/24 15:34 | 07/19/24 15:03 | 2 |

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Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

Client Sample ID: RG-South20240627

Lab Sample ID: 885-7077-2

Date Collected: 06/27/24 13:10

Matrix: Water

Date Received: 06/27/24 14:37

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|---------|----------|------|---|----------|----------------|---------|
| Copper | 0.010 | | 0.00050 | 0.00012 | mg/L | | | 07/09/24 10:34 | 1 |
| Lead | ND | | 0.00050 | 0.000083 | mg/L | | | 07/09/24 10:34 | 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 | 140 | | 6.6 | 2.5 | mg/L | | | 07/09/24 15:25 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| HEM (Oil & Grease) (1664B) | ND | | 4.9 | 4.4 | mg/L | | | 07/08/24 09:19 | 1 |
| Total Dissolved Solids (SM 2540C) | 280 | | 100 | 50 | mg/L | | | 07/03/24 12:52 | 1 |
| Nitrogen, Total Kjeldahl (EPA 351.2) | 0.99 | | 0.50 | 0.50 | mg/L | | 07/08/24 11:40 | 07/09/24 13:02 | 1 |
| Total Phosphorus as P (EPA 365.1) | 0.38 | | 0.050 | 0.050 | mg/L | | 07/11/24 08:30 | 07/16/24 09:34 | 1 |
| Chemical Oxygen Demand (SM 5220D) | ND | | 50 | 50 | mg/L | | | 07/23/24 14:19 | 1 |
| Total Suspended Solids (SM 2540D) | 160 | | 8.0 | 8.0 | mg/L | | | 07/02/24 16:35 | 1 |
| pH (SM 4500 H+ B) | 8.2 | HF | 0.1 | 0.1 | SU | | | 07/09/24 22:10 | 1 |
| Biochemical Oxygen Demand (SM5210B) | ND | *- b | 2.0 | 2.0 | mg/L | | | 06/28/24 11:05 | 1 |

General Chemistry - Dissolved

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| Total Phosphorus as P (EPA 365.1) | 0.37 | | 0.050 | 0.050 | mg/L | | 07/11/24 08:30 | 07/16/24 09:36 | 1 |

Method: EPA 900.0 - Gross Alpha and Gross Beta Radioactivity

| Analyte | Result | Qualifier | Count | | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|-------------|--------|-----------|-----------------|-----------------------|------|------|-------|----------------|----------------|---------|
| | | | Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | | | | | | |
| Gross Alpha | 4.84 | G | 3.13 | 3.18 | 3.00 | 4.46 | pCi/L | 07/03/24 08:58 | 07/18/24 17:21 | 1 |
| Gross Beta | 7.45 | | 1.73 | 1.88 | 4.00 | 1.91 | pCi/L | 07/03/24 08:58 | 07/18/24 17:21 | 1 |

Method: SM Gross Alpha Adj - Gross Alpha Adjusted

| Analyte | Result | Qualifier | Count | | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|-----------------|-----------------------|------|------|-------|----------|----------------|---------|
| | | | Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | | | | | | |
| Adjusted Gross Alpha | 3.77 | U | | | 3.00 | 4.46 | pCi/L | | 07/19/24 15:03 | 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 | 644.0 | | 10.0 | 10.0 | MPN/100mL | | | 06/27/24 17:12 | 1 |

Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

Client Sample ID: EB-20240627

Lab Sample ID: 885-7077-3

Date Collected: 06/27/24 11:50

Matrix: Water

Date Received: 06/27/24 14:37

Method: EPA Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|-----------|-----------|-----|------|------|---|----------------|----------------|---------|
| Perfluorobutanoic acid (PFBA) | ND | | 12 | 3.0 | ng/L | | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| Perfluoropentanoic acid (PFPeA) | ND | | 6.1 | 1.5 | ng/L | | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| Perfluorohexanoic acid (PFHxA) | ND | | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| Perfluoroheptanoic acid (PFHpA) | ND | | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| Perfluorooctanoic acid (PFOA) | ND | | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| Perfluorononanoic acid (PFNA) | ND | | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| Perfluorodecanoic acid (PFDA) | ND | | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| Perfluoroundecanoic acid (PFUnA) | ND | | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| Perfluorododecanoic acid (PFDoA) | ND | | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| Perfluorotridecanoic acid (PFTrDA) | ND | | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| Perfluorotetradecanoic acid (PFTeDA) | ND | | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| Perfluoropentanesulfonic acid (PFPeS) | ND | | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| Perfluoroheptanesulfonic acid (PFHxS) | ND | | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| Perfluoroheptanesulfonic acid (PFHpS) | ND | | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| Perfluorooctanesulfonic acid (PFOS) | ND | | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| Perfluoronanesulfonic acid (PFNS) | ND | | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| Perfluorodecanesulfonic acid (PFDS) | ND | | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| Perfluorododecanesulfonic acid (PFDoS) | ND | | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS) | ND | | 12 | 3.0 | ng/L | | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| 1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS) | ND | | 12 | 3.0 | ng/L | | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| 1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS) | ND | | 12 | 3.0 | ng/L | | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| Perfluorooctanesulfonamide (PFOSA) | ND | | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| N-methylperfluorooctane sulfonamide (NMeFOSA) | ND | | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| N-ethylperfluorooctane sulfonamide (NEtFOSA) | ND | | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA) | ND | | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA) | ND | | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| N-methylperfluorooctane sulfonamidoethanol (NMeFOSE) | ND | | 30 | 7.6 | ng/L | | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE) | ND | | 30 | 7.6 | ng/L | | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | ND | | 12 | 3.0 | ng/L | | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | ND | | 12 | 3.0 | ng/L | | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | ND | | 6.1 | 1.5 | ng/L | | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | ND | | 6.1 | 1.5 | ng/L | | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | ND | | 6.1 | 1.5 | ng/L | | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS) | ND | | 12 | 3.0 | ng/L | | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | ND | | 12 | 3.0 | ng/L | | 07/15/24 11:26 | 07/16/24 19:57 | 1 |

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Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

Client Sample ID: EB-20240627

Lab Sample ID: 885-7077-3

Date Collected: 06/27/24 11:50

Matrix: Water

Date Received: 06/27/24 14:37

Method: EPA Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA) | ND | | 6.1 | 1.5 | ng/L | | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| 3-Perfluoropropylpropanoic acid (3:3 FTCA) | ND | | 15 | 3.8 | ng/L | | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| 3-Perfluoropentylpropanoic acid (5:3 FTCA) | ND | | 76 | 19 | ng/L | | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| 3-Perfluoroheptylpropanoic acid (7:3 FTCA) | ND | | 76 | 19 | ng/L | | 07/15/24 11:26 | 07/16/24 19:57 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 13C4 PFBA | 89.6 | | 5 - 130 | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| 13C5 PFPeA | 96.9 | | 40 - 130 | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| 13C5 PFHxA | 89.9 | | 40 - 130 | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| 13C4 PFHpA | 106 | | 40 - 130 | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| 13C8 PFOA | 96.1 | | 40 - 130 | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| 13C9 PFNA | 88.8 | | 40 - 130 | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| 13C6 PFDA | 99.9 | | 40 - 130 | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| 13C7 PFUnA | 97.0 | | 30 - 130 | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| 13C2 PFDoA | 90.4 | | 10 - 130 | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| 13C2 PFTeDA | 74.0 | | 10 - 130 | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| 13C3 PFHxS | 79.9 | | 40 - 130 | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| 13C8 PFOS | 95.1 | | 40 - 130 | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| 13C8 PFOSA | 80.2 | | 40 - 130 | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| d3-NMeFOSAA | 98.6 | | 40 - 170 | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| d5-NEtFOSAA | 98.9 | | 25 - 135 | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| 13C2 4:2 FTS | 81.5 | | 40 - 200 | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| 13C2 6:2 FTS | 110 | | 40 - 200 | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| 13C2 8:2 FTS | 95.1 | | 40 - 300 | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| 13C3 HFPO-DA | 96.3 | | 40 - 130 | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| d7-N-MeFOSE-M | 64.2 | | 10 - 130 | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| d9-N-EtFOSE-M | 64.8 | | 10 - 130 | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| d5-NEtPFOSA | 64.9 | | 10 - 130 | 07/15/24 11:26 | 07/16/24 19:57 | 1 |
| d3-NMePFOSA | 66.7 | | 10 - 130 | 07/15/24 11:26 | 07/16/24 19:57 | 1 |

Method: EPA Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS - RA

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| Perfluorobutanesulfonic acid (PFBS) | ND | | 3.0 | 0.76 | ng/L | | 07/15/24 11:26 | 07/17/24 15:38 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 13C3 PFBS | 74.9 | | 40 - 135 | 07/15/24 11:26 | 07/17/24 15:38 | 1 |

Isotope Dilution Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

Method: Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

| Lab Sample ID | Client Sample ID | PFBA (5-130) | PFPeA (40-130) | 13C5PHA (40-130) | C4PFHA (40-130) | C8PFOA (40-130) | C9PFNA (40-130) | C6PFDA (40-130) | 13C7PUA (30-130) |
|---------------------|------------------------|-----------------|-------------------|---------------------|--------------------|--------------------|--------------------|--------------------|---------------------|
| 885-7077-1 | RG-North20240626 | 89.0 | 95.3 | 85.5 | 104 | 96.2 | 88.0 | 96.9 | 84.5 |
| 885-7077-2 | RG-South20240627 | 95.6 | 102 | 96.9 | 110 | 96.8 | 87.6 | 94.8 | 94.3 |
| 885-7077-3 | EB-20240627 | 89.6 | 96.9 | 89.9 | 106 | 96.1 | 88.8 | 99.9 | 97.0 |
| LCS 320-779486/3-A | Lab Control Sample | 92.1 | 97.5 | 95.3 | 110 | 96.2 | 87.6 | 99.7 | 109 |
| LCSD 320-779486/4-A | Lab Control Sample Dup | 90.7 | 96.1 | 93.8 | 111 | 88.0 | 103 | 101 | 99.1 |
| LLCS 320-779486/2-A | Lab Control Sample | 95.3 | 100 | 98.9 | 113 | 99.9 | 79.9 | 91.0 | 84.8 |
| MB 320-779486/1-A | Method Blank | 102 | 107 | 102 | 117 | 102 | 103 | 106 | 119 |

Percent Isotope Dilution Recovery (Acceptance Limits)

| Lab Sample ID | Client Sample ID | PFDoA (10-130) | PFTDA (10-130) | C3PFHS (40-130) | C8PFOS (40-130) | PFOSA (40-130) | d3NMFOS (40-170) | d5NEFOS (25-135) | M242FTS (40-200) |
|---------------------|------------------------|-------------------|-------------------|--------------------|--------------------|-------------------|---------------------|---------------------|---------------------|
| 885-7077-1 | RG-North20240626 | 86.7 | 67.2 | 78.0 | 98.1 | 89.4 | 106 | 104 | 99.5 |
| 885-7077-2 | RG-South20240627 | 86.3 | 71.2 | 82.6 | 105 | 94.1 | 104 | 111 | 99.0 |
| 885-7077-3 | EB-20240627 | 90.4 | 74.0 | 79.9 | 95.1 | 80.2 | 98.6 | 98.9 | 81.5 |
| LCS 320-779486/3-A | Lab Control Sample | 102 | 88.1 | 85.2 | 89.5 | 83.7 | 94.8 | 97.4 | 81.3 |
| LCSD 320-779486/4-A | Lab Control Sample Dup | 99.9 | 86.8 | 83.5 | 92.0 | 88.4 | 105 | 103 | 81.3 |
| LLCS 320-779486/2-A | Lab Control Sample | 85.0 | 84.0 | 87.2 | 98.8 | 99.4 | 101 | 103 | 80.8 |
| MB 320-779486/1-A | Method Blank | 123 | 111 | 93.5 | 100 | 101 | 101 | 104 | 91.6 |

Percent Isotope Dilution Recovery (Acceptance Limits)

| Lab Sample ID | Client Sample ID | M262FTS (40-200) | M282FTS (40-300) | HFPODA (40-130) | NMFM (10-130) | NEFM (10-130) | d5NPFSA (10-130) | d3NMFSA (10-130) |
|---------------------|------------------------|---------------------|---------------------|--------------------|------------------|------------------|---------------------|---------------------|
| 885-7077-1 | RG-North20240626 | 116 | 101 | 85.6 | 68.6 | 66.5 | 68.4 | 70.3 |
| 885-7077-2 | RG-South20240627 | 117 | 107 | 93.1 | 66.7 | 63.5 | 65.1 | 67.6 |
| 885-7077-3 | EB-20240627 | 110 | 95.1 | 96.3 | 64.2 | 64.8 | 64.9 | 66.7 |
| LCS 320-779486/3-A | Lab Control Sample | 98.3 | 84.9 | 90.7 | 74.1 | 78.3 | 75.7 | 74.2 |
| LCSD 320-779486/4-A | Lab Control Sample Dup | 97.3 | 86.6 | 91.8 | 80.2 | 85.0 | 78.0 | 76.3 |
| LLCS 320-779486/2-A | Lab Control Sample | 106 | 92.8 | 92.4 | 89.4 | 91.8 | 84.5 | 85.9 |
| MB 320-779486/1-A | Method Blank | 115 | 96.6 | 96.7 | 92.3 | 94.4 | 87.2 | 86.3 |

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
- C3PFHS = 13C3 PFHxS
- C8PFOS = 13C8 PFOS
- PFOSA = 13C8 PFOSA
- 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

Isotope Dilution Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority

Job ID: 885-7077-1

Project/Site: CMC

NEFM = d9-N-EtFOSE-M
 d5NPFSA = d5-NEtPFOSA
 d3NMFSA = d3-NMePFOSA

Method: Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

| Lab Sample ID | Client Sample ID | C3PFBS (40-135) |
|--------------------------|------------------------|--------------------|
| 885-7077-1 - RA | RG-North20240626 | 71.5 |
| 885-7077-2 - RA | RG-South20240627 | 78.6 |
| 885-7077-3 - RA | EB-20240627 | 74.9 |
| LCS 320-779486/3-A - RA | Lab Control Sample | 78.1 |
| LCS 320-779486/4-A - RA | Lab Control Sample Dup | 75.3 |
| LLCS 320-779486/2-A - RA | Lab Control Sample | 75.8 |
| MB 320-779486/1-A - RA | Method Blank | 82.7 |

Surrogate Legend

C3PFBS = 13C3 PFBS

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 (15-150) | PCB3L (15-150) | PCB4L (25-150) | PCB15L (25-150) | PCB19L (25-150) | PCB37L (25-150) | PCB54L (25-150) | PCB77L (25-150) |
|-------------------|------------------|-------------------|-------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 885-7077-1 | RG-North20240626 | 70 | 72 | 66 | 76 | 76 | 67 | 57 | 76 |
| 885-7077-2 | RG-South20240627 | 72 | 74 | 65 | 72 | 76 | 70 | 62 | 79 |
| MB 320-777390/1-A | Method Blank | 74 | 75 | 68 | 80 | 79 | 77 | 68 | 88 |

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) |
|-------------------|------------------|--------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| 885-7077-1 | RG-North20240626 | 74 | 52 | 73 | 72 | 73 | 72 | 77 | 59 |
| 885-7077-2 | RG-South20240627 | 76 | 53 | 70 | 68 | 67 | 68 | 72 | 62 |
| MB 320-777390/1-A | Method Blank | 89 | 64 | 80 | 77 | 80 | 80 | 84 | 73 |

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) |
|-------------------|------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| 885-7077-1 | RG-North20240626 | 96 | 96 | 96 | 93 | 96 | 55 | 73 | 65 |
| 885-7077-2 | RG-South20240627 | 96 | 96 | 96 | 94 | 95 | 53 | 64 | 60 |
| MB 320-777390/1-A | Method Blank | 107 | 107 | 107 | 106 | 110 | 58 | 70 | 61 |

Percent Isotope Dilution Recovery (Acceptance Limits)

| Lab Sample ID | Client Sample ID | PCB205L (25-150) | PCB206L (25-150) | PCB208L (25-150) | PCB209L (25-150) |
|-------------------|------------------|---------------------|---------------------|---------------------|---------------------|
| 885-7077-1 | RG-North20240626 | 79 | 74 | 65 | 71 |
| 885-7077-2 | RG-South20240627 | 72 | 62 | 63 | 70 |
| MB 320-777390/1-A | Method Blank | 75 | 65 | 60 | 62 |

Surrogate Legend

PCB1L = PCB-1L
 PCB3L = PCB-3L
 PCB4L = PCB-4L
 PCB15L = PCB-15L
 PCB19L = PCB-19L
 PCB37L = PCB-37L
 PCB54L = PCB-54L

Isotope Dilution Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority

Job ID: 885-7077-1

Project/Site: CMC

- 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 320-777390/2-A | Lab Control Sample | 74 | 75 | 70 | 81 | 79 | 79 | 69 | 89 |
| LCSD 320-777390/3-A | Lab Control Sample Dup | 74 | 77 | 69 | 83 | 81 | 80 | 69 | 92 |

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---------------------|------------------------|---|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Lab Sample ID | Client Sample ID | PCB81L (30-140) | PCB104L (30-140) | PCB105L (30-140) | PCB114L (30-140) | PCB118L (30-140) | PCB123L (30-140) | PCB126L (30-140) | PCB155L (30-140) |
| LCS 320-777390/2-A | Lab Control Sample | 88 | 68 | 84 | 83 | 82 | 83 | 87 | 81 |
| LCSD 320-777390/3-A | Lab Control Sample Dup | 91 | 67 | 86 | 86 | 88 | 85 | 89 | 70 |

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---------------------|------------------------|---|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Lab Sample ID | Client Sample ID | PCB156L (30-140) | 156157L (30-140) | PCB157L (30-140) | PCB167L (30-140) | PCB169L (30-140) | PCB188L (30-140) | PCB189L (30-140) | PCB202L (30-140) |
| LCS 320-777390/2-A | Lab Control Sample | 110 | 110 | 110 | 112 | 114 | 60 | 75 | 65 |
| LCSD 320-777390/3-A | Lab Control Sample Dup | 104 | 104 | 104 | 104 | 104 | 61 | 76 | 66 |

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | |
|---------------------|------------------------|---|---------------------|---------------------|---------------------|
| Lab Sample ID | Client Sample ID | PCB205L (30-140) | PCB206L (30-140) | PCB208L (30-140) | PCB209L (30-140) |
| LCS 320-777390/2-A | Lab Control Sample | 77 | 67 | 65 | 68 |
| LCSD 320-777390/3-A | Lab Control Sample Dup | 77 | 70 | 63 | 68 |

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

Isotope Dilution Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority

Job ID: 885-7077-1

Project/Site: CMC

- 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

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

QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

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

Lab Sample ID: MB 860-169234/9
Matrix: Water
Analysis Batch: 169234

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

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|--------|------|---|----------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Tetrahydrofuran | ND | | 0.010 | 0.0018 | mg/L | | | 07/02/24 20:38 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 101 | | 63 - 144 | | | | | 07/02/24 20:38 | 1 |
| 4-Bromofluorobenzene (Surr) | 102 | | 74 - 124 | | | | | 07/02/24 20:38 | 1 |
| Dibromofluoromethane (Surr) | 103 | | 75 - 131 | | | | | 07/02/24 20:38 | 1 |
| Toluene-d8 (Surr) | 99 | | 80 - 120 | | | | | 07/02/24 20:38 | 1 |

Lab Sample ID: LCS 860-169234/3
Matrix: Water
Analysis Batch: 169234

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

| Analyte | Spike Added | LCS | LCS | Unit | D | %Rec | %Rec Limits | RPD | Limit |
|------------------------------|-------------|-----------|-----------|------|---|------|-------------|-----|-------|
| | | Result | Qualifier | | | | | | |
| Tetrahydrofuran | 0.100 | 0.0923 | | mg/L | | 92 | 75 - 125 | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 94 | | 63 - 144 | | | | | | |
| 4-Bromofluorobenzene (Surr) | 99 | | 74 - 124 | | | | | | |
| Dibromofluoromethane (Surr) | 98 | | 75 - 131 | | | | | | |
| Toluene-d8 (Surr) | 100 | | 80 - 120 | | | | | | |

Lab Sample ID: LCSD 860-169234/4
Matrix: Water
Analysis Batch: 169234

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

| Analyte | Spike Added | LCSD | LCSD | Unit | D | %Rec | %Rec Limits | RPD | Limit |
|------------------------------|-------------|-----------|-----------|------|---|------|-------------|-----|-------|
| | | Result | Qualifier | | | | | | |
| Tetrahydrofuran | 0.100 | 0.0984 | | mg/L | | 98 | 75 - 125 | 6 | 25 |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 95 | | 63 - 144 | | | | | | |
| 4-Bromofluorobenzene (Surr) | 100 | | 74 - 124 | | | | | | |
| Dibromofluoromethane (Surr) | 97 | | 75 - 131 | | | | | | |
| Toluene-d8 (Surr) | 99 | | 80 - 120 | | | | | | |

Method: 608.3 - Organochlorine Pesticides/PCBs in Water

Lab Sample ID: MB 860-169312/1-A
Matrix: Water
Analysis Batch: 169369

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 169312

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|-----------|-----------|----------|----------|------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Dieldrin | ND | | 0.000050 | 0.000017 | mg/L | | 07/02/24 22:40 | 07/03/24 11:25 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| DCB Decachlorobiphenyl (Surr) | 55 | | 45 - 115 | | | | 07/02/24 22:40 | 07/03/24 11:25 | 1 |
| Tetrachloro-m-xylene | 107 | | 41 - 110 | | | | 07/02/24 22:40 | 07/03/24 11:25 | 1 |

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QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

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

Lab Sample ID: LCS 860-169312/2-A
Matrix: Water
Analysis Batch: 169369

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 169312

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | |
|-------------------------------|-------------|------------|---------------|------|---|------|-------------|--|
| | | | | | | | | |
| Dieldrin | 0.00125 | 0.00150 | *+ | mg/L | | 120 | 57 - 107 | |
| LCS LCS | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | |
| DCB Decachlorobiphenyl (Surr) | 56 | | 45 - 115 | | | | | |
| Tetrachloro-m-xylene | 101 | | 41 - 110 | | | | | |

Lab Sample ID: LCSD 860-169312/3-A
Matrix: Water
Analysis Batch: 169369

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 169312

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | | RPD | RPD Limit |
|-------------------------------|-------------|-------------|----------------|------|---|------|-------------|---|-----|-----------|
| | | | | | | | | | | |
| Dieldrin | 0.00125 | 0.00149 | *+ | mg/L | | 119 | 57 - 107 | 1 | 30 | |
| LCSD LCSD | | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | | |
| DCB Decachlorobiphenyl (Surr) | 56 | | 45 - 115 | | | | | | | |
| Tetrachloro-m-xylene | 99 | | 41 - 110 | | | | | | | |

Lab Sample ID: MB 860-169818/1-A
Matrix: Water
Analysis Batch: 169920

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 169818

| Analyte | MB MB | | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|-----------|-----------|----------|----------------|----------------|---------|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Dieldrin | ND | | 0.000050 | 0.000017 | mg/L | | 07/05/24 21:47 | 07/13/24 11:39 | 1 |
| MB MB | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac | | | |
| DCB Decachlorobiphenyl (Surr) | 90 | | 45 - 115 | 07/05/24 21:47 | 07/13/24 11:39 | 1 | | | |
| Tetrachloro-m-xylene | 129 | S1+ | 41 - 110 | 07/05/24 21:47 | 07/13/24 11:39 | 1 | | | |

Lab Sample ID: LCS 860-169818/2-A
Matrix: Water
Analysis Batch: 169920

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 169818

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | |
|-------------------------------|-------------|------------|---------------|------|---|------|-------------|--|
| | | | | | | | | |
| Dieldrin | 0.00125 | 0.00186 | *+ | mg/L | | 149 | 57 - 107 | |
| LCS LCS | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | |
| DCB Decachlorobiphenyl (Surr) | 91 | | 45 - 115 | | | | | |
| Tetrachloro-m-xylene | 124 | S1+ | 41 - 110 | | | | | |

Lab Sample ID: LCSD 860-169818/3-A
Matrix: Water
Analysis Batch: 169920

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 169818

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | | RPD | RPD Limit |
|----------|-------------|-------------|----------------|------|---|------|-------------|---|-----|-----------|
| | | | | | | | | | | |
| Dieldrin | 0.00125 | 0.00187 | *+ | mg/L | | 150 | 57 - 107 | 0 | 30 | |

QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

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

Lab Sample ID: LCSD 860-169818/3-A
 Matrix: Water
 Analysis Batch: 169920

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 169818

| Surrogate | LCSD LCSD | | Limits |
|-------------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| DCB Decachlorobiphenyl (Surr) | 91 | | 45 - 115 |
| Tetrachloro-m-xylene | 124 | S1+ | 41 - 110 |

Method: 8081B_LL - Organochlorine Pesticides (GC)

Lab Sample ID: MB 860-169461/1-A
 Matrix: Water
 Analysis Batch: 169649

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 169461

| Analyte | MB MB | | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----------|-----------|------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Dieldrin | ND | | 0.000010 | 0.0000000 | mg/L | | 07/03/24 13:50 | 07/05/24 10:04 | 1 |

| Surrogate | MB MB | | Limits | Prepared | Analyzed | Dil Fac |
|-------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| DCB Decachlorobiphenyl (Surr) | 141 | S1+ | 15 - 136 | 07/03/24 13:50 | 07/05/24 10:04 | 1 |
| Tetrachloro-m-xylene | 125 | | 18 - 126 | 07/03/24 13:50 | 07/05/24 10:04 | 1 |

Lab Sample ID: LCS 860-169461/2-A
 Matrix: Water
 Analysis Batch: 169649

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 169461

| Analyte | Spike Added | LCS LCS | | Unit | D | %Rec | %Rec Limits |
|----------|-------------|----------|-----------|------|---|------|-------------|
| | | Result | Qualifier | | | | |
| Dieldrin | 0.000100 | 0.000132 | *+ | mg/L | | 132 | 46 - 127 |

| Surrogate | LCS LCS | | Limits |
|-------------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| DCB Decachlorobiphenyl (Surr) | 139 | S1+ | 15 - 136 |
| Tetrachloro-m-xylene | 123 | | 18 - 126 |

Lab Sample ID: LCSD 860-169461/3-A
 Matrix: Water
 Analysis Batch: 169649

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 169461

| Analyte | Spike Added | LCSD LCSD | | Unit | D | %Rec | %Rec Limits | RPD | Limit |
|----------|-------------|-----------|-----------|------|---|------|-------------|-----|-------|
| | | Result | Qualifier | | | | | | |
| Dieldrin | 0.000100 | 0.000139 | *+ | mg/L | | 139 | 46 - 127 | 5 | 25 |

| Surrogate | LCSD LCSD | | Limits |
|-------------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| DCB Decachlorobiphenyl (Surr) | 146 | S1+ | 15 - 136 |
| Tetrachloro-m-xylene | 122 | | 18 - 126 |

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-7687/10
 Matrix: Water
 Analysis Batch: 7687

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

| Analyte | MB MB | | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Nitrate | ND | | 0.10 | 0.020 | mg/L | | | 06/28/24 10:22 | 1 |
| Nitrite | ND | | 0.10 | 0.012 | mg/L | | | 06/28/24 10:22 | 1 |

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QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 885-7687/58
Matrix: Water
Analysis Batch: 7687

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

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Nitrate | ND | | 0.10 | 0.020 | mg/L | | | 06/28/24 20:19 | 1 |
| Nitrite | ND | | 0.10 | 0.012 | mg/L | | | 06/28/24 20:19 | 1 |

Lab Sample ID: LCS 885-7687/11
Matrix: Water
Analysis Batch: 7687

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

| Analyte | Spike Added | LCS | LCS | Unit | D | %Rec | %Rec | Limits |
|---------|-------------|--------|-----------|------|---|------|------|----------|
| | | Result | Qualifier | | | | | |
| Nitrate | 2.50 | 2.58 | | mg/L | | 103 | | 90 - 110 |
| Nitrite | 1.00 | 0.986 | | mg/L | | 99 | | 90 - 110 |

Lab Sample ID: LCS 885-7687/59
Matrix: Water
Analysis Batch: 7687

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

| Analyte | Spike Added | LCS | LCS | Unit | D | %Rec | %Rec | Limits |
|---------|-------------|--------|-----------|------|---|------|------|----------|
| | | Result | Qualifier | | | | | |
| Nitrate | 2.50 | 2.54 | | mg/L | | 102 | | 90 - 110 |
| Nitrite | 1.00 | 0.969 | | mg/L | | 97 | | 90 - 110 |

Lab Sample ID: MRL 885-7687/9
Matrix: Water
Analysis Batch: 7687

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

| Analyte | Spike Added | MRL | MRL | Unit | D | %Rec | %Rec | Limits |
|---------|-------------|--------|-----------|------|---|------|------|----------|
| | | Result | Qualifier | | | | | |
| Nitrate | 0.100 | 0.111 | | mg/L | | 111 | | 50 - 150 |
| Nitrite | 0.0999 | 0.103 | | mg/L | | 103 | | 50 - 150 |

Method: Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Lab Sample ID: MB 320-779486/1-A
Matrix: Water
Analysis Batch: 780306

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 779486

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Perfluorobutanoic acid (PFBA) | ND | | 8.0 | 2.0 | ng/L | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| Perfluoropentanoic acid (PFPeA) | ND | | 4.0 | 1.0 | ng/L | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| Perfluorohexanoic acid (PFHxA) | ND | | 2.0 | 0.50 | ng/L | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| Perfluoroheptanoic acid (PFHpA) | ND | | 2.0 | 0.50 | ng/L | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| Perfluorooctanoic acid (PFOA) | ND | | 2.0 | 0.50 | ng/L | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| Perfluorononanoic acid (PFNA) | ND | | 2.0 | 0.50 | ng/L | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| Perfluorodecanoic acid (PFDA) | ND | | 2.0 | 0.50 | ng/L | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| Perfluoroundecanoic acid (PFUnA) | ND | | 2.0 | 0.50 | ng/L | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| Perfluorododecanoic acid (PFDoA) | ND | | 2.0 | 0.50 | ng/L | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| Perfluorotridecanoic acid (PFTTrDA) | ND | | 2.0 | 0.50 | ng/L | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| Perfluorotetradecanoic acid (PFTeDA) | ND | | 2.0 | 0.50 | ng/L | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| Perfluoropentanesulfonic acid (PFPeS) | ND | | 2.0 | 0.50 | ng/L | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | ND | | 2.0 | 0.50 | ng/L | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| Perfluoroheptanesulfonic acid (PFHpS) | ND | | 2.0 | 0.50 | ng/L | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |

Eurofins Albuquerque

QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

Method: Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 320-779486/1-A

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 780306

Prep Batch: 779486

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Perfluorooctanesulfonic acid (PFOS) | ND | | 2.0 | 0.50 | ng/L | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| Perfluorononanesulfonic acid (PFNS) | ND | | 2.0 | 0.50 | ng/L | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| Perfluorodecanesulfonic acid (PFDS) | ND | | 2.0 | 0.50 | ng/L | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| Perfluorododecanesulfonic acid (PFDoS) | ND | | 2.0 | 0.50 | ng/L | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS) | ND | | 8.0 | 2.0 | ng/L | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| 1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS) | ND | | 8.0 | 2.0 | ng/L | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| 1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS) | ND | | 8.0 | 2.0 | ng/L | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| Perfluorooctanesulfonamide (PFOSA) | ND | | 2.0 | 0.50 | ng/L | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| N-methylperfluorooctane sulfonamide (NMeFOSA) | ND | | 2.0 | 0.50 | ng/L | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| N-ethylperfluorooctane sulfonamide (NEtFOSA) | ND | | 2.0 | 0.50 | ng/L | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA) | ND | | 2.0 | 0.50 | ng/L | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA) | ND | | 2.0 | 0.50 | ng/L | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| N-methylperfluorooctane sulfonamidoethanol (NMeFOSE) | ND | | 20 | 5.0 | ng/L | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE) | ND | | 20 | 5.0 | ng/L | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | ND | | 8.0 | 2.0 | ng/L | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| 4,8-Dioxo-3H-perfluorononanoic acid (ADONA) | ND | | 8.0 | 2.0 | ng/L | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | ND | | 4.0 | 1.0 | ng/L | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | ND | | 4.0 | 1.0 | ng/L | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | ND | | 4.0 | 1.0 | ng/L | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS) | ND | | 8.0 | 2.0 | ng/L | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | ND | | 8.0 | 2.0 | ng/L | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA) | ND | | 4.0 | 1.0 | ng/L | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| 3-Perfluoropropylpropanoic acid (3:3 FTCA) | ND | | 10 | 2.5 | ng/L | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| 3-Perfluoropentylpropanoic acid (5:3 FTCA) | ND | | 50 | 13 | ng/L | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| 3-Perfluoroheptylpropanoic acid (7:3 FTCA) | ND | | 50 | 13 | ng/L | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| | MB | MB | | | | | Prepared | Analyzed | Dil Fac |
| Isotope Dilution | %Recovery | Qualifier | Limits | | | | | | |
| 13C4 PFBA | 102 | | 5 - 130 | | | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| 13C5 PFPeA | 107 | | 40 - 130 | | | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| 13C5 PFHxA | 102 | | 40 - 130 | | | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| 13C4 PFHpA | 117 | | 40 - 130 | | | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| 13C8 PFOA | 102 | | 40 - 130 | | | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| 13C9 PFNA | 103 | | 40 - 130 | | | | 07/15/24 11:26 | 07/16/24 18:11 | 1 |

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QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

Method: Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 320-779486/1-A

Matrix: Water

Analysis Batch: 780306

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 779486

| Isotope Dilution | MB MB | | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| 13C6 PFDA | 106 | | 40 - 130 | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| 13C7 PFUnA | 119 | | 30 - 130 | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| 13C2 PFDoA | 123 | | 10 - 130 | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| 13C2 PFTeDA | 111 | | 10 - 130 | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| 13C3 PFHxS | 93.5 | | 40 - 130 | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| 13C8 PFOS | 100 | | 40 - 130 | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| 13C8 PFOSA | 101 | | 40 - 130 | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| d3-NMeFOSAA | 101 | | 40 - 170 | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| d5-NEtFOSAA | 104 | | 25 - 135 | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| 13C2 4:2 FTS | 91.6 | | 40 - 200 | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| 13C2 6:2 FTS | 115 | | 40 - 200 | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| 13C2 8:2 FTS | 96.6 | | 40 - 300 | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| 13C3 HFPO-DA | 96.7 | | 40 - 130 | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| d7-N-MeFOSE-M | 92.3 | | 10 - 130 | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| d9-N-EtFOSE-M | 94.4 | | 10 - 130 | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| d5-NEtPFOSA | 87.2 | | 10 - 130 | 07/15/24 11:26 | 07/16/24 18:11 | 1 |
| d3-NMePFOSA | 86.3 | | 10 - 130 | 07/15/24 11:26 | 07/16/24 18:11 | 1 |

Lab Sample ID: LCS 320-779486/3-A

Matrix: Water

Analysis Batch: 780306

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 779486

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec |
|--|-------------|------------|---------------|------|---|------|----------|
| | | | | | | | Limits |
| Perfluorobutanoic acid (PFBA) | 128 | 123 | | ng/L | | 96 | 70 - 140 |
| Perfluoropentanoic acid (PFPeA) | 64.0 | 58.8 | | ng/L | | 92 | 65 - 135 |
| Perfluorohexanoic acid (PFHxA) | 32.0 | 29.1 | | ng/L | | 91 | 70 - 145 |
| Perfluoroheptanoic acid (PFHpA) | 32.0 | 28.4 | | ng/L | | 89 | 70 - 150 |
| Perfluorooctanoic acid (PFOA) | 32.0 | 28.2 | | ng/L | | 88 | 70 - 150 |
| Perfluorononanoic acid (PFNA) | 32.0 | 32.1 | | ng/L | | 100 | 70 - 150 |
| Perfluorodecanoic acid (PFDA) | 32.0 | 35.7 | | ng/L | | 111 | 70 - 140 |
| Perfluoroundecanoic acid (PFUnA) | 32.0 | 29.9 | | ng/L | | 93 | 70 - 145 |
| Perfluorododecanoic acid (PFDoA) | 32.0 | 27.8 | | ng/L | | 87 | 70 - 140 |
| Perfluorotridecanoic acid (PFTTrDA) | 32.0 | 32.9 | | ng/L | | 103 | 65 - 140 |
| Perfluorotetradecanoic acid (PFTeDA) | 32.0 | 31.6 | | ng/L | | 99 | 60 - 140 |
| Perfluoropentanesulfonic acid (PFPeS) | 30.1 | 27.3 | | ng/L | | 91 | 65 - 140 |
| Perfluorohexanesulfonic acid (PFHxS) | 29.2 | 30.8 | | ng/L | | 105 | 65 - 145 |
| Perfluoroheptanesulfonic acid (PFHpS) | 30.5 | 33.5 | | ng/L | | 110 | 70 - 150 |
| Perfluorooctanesulfonic acid (PFOS) | 29.8 | 28.3 | | ng/L | | 95 | 55 - 150 |
| Perfluorononanesulfonic acid (PFNS) | 30.8 | 28.9 | | ng/L | | 94 | 65 - 145 |
| Perfluorodecanesulfonic acid (PFDS) | 30.8 | 27.2 | | ng/L | | 88 | 60 - 145 |
| Perfluorododecanesulfonic acid (PFDoS) | 31.0 | 24.8 | | ng/L | | 80 | 50 - 145 |

Euofins Albuquerque

QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

Method: Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 320-779486/3-A

Matrix: Water

Analysis Batch: 780306

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 779486

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|--|-------------|------------|---------------|------|---|------|-------------|
| 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS) | 120 | 128 | | ng/L | | 107 | 70 - 145 |
| 1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS) | 122 | 123 | | ng/L | | 101 | 65 - 155 |
| 1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS) | 123 | 134 | | ng/L | | 109 | 60 - 150 |
| Perfluorooctanesulfonamide (PFOSA) | 32.0 | 24.5 | | ng/L | | 77 | 70 - 145 |
| N-methylperfluorooctane sulfonamide (NMeFOSA) | 32.0 | 28.8 | | ng/L | | 90 | 60 - 150 |
| N-ethylperfluorooctane sulfonamide (NEtFOSA) | 32.0 | 29.2 | | ng/L | | 91 | 65 - 145 |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA) | 32.0 | 31.5 | | ng/L | | 98 | 50 - 140 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA) | 32.0 | 27.6 | | ng/L | | 86 | 70 - 145 |
| N-methylperfluorooctane sulfonamidoethanol (NMeFOSE) | 320 | 301 | | ng/L | | 94 | 70 - 145 |
| N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE) | 320 | 303 | | ng/L | | 95 | 70 - 135 |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | 128 | 119 | | ng/L | | 93 | 70 - 140 |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | 121 | 144 | | ng/L | | 119 | 65 - 145 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | 64.0 | 65.0 | | ng/L | | 101 | 55 - 140 |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | 64.0 | 56.1 | | ng/L | | 88 | 60 - 150 |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | 64.0 | 58.2 | | ng/L | | 91 | 50 - 150 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS) | 120 | 132 | | ng/L | | 111 | 70 - 155 |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | 121 | 136 | | ng/L | | 113 | 55 - 160 |
| Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA) | 57.1 | 52.8 | | ng/L | | 92 | 70 - 140 |
| 3-Perfluoropropylpropanoic acid (3:3 FTCA) | 160 | 161 | | ng/L | | 101 | 65 - 130 |
| 3-Perfluoropentylpropanoic acid (5:3 FTCA) | 799 | 806 | | ng/L | | 101 | 70 - 135 |
| 3-Perfluoroheptylpropanoic acid (7:3 FTCA) | 799 | 887 | | ng/L | | 111 | 50 - 145 |

| Isotope Dilution | LCS %Recovery | LCS Qualifier | Limits |
|------------------|---------------|---------------|----------|
| 13C4 PFBA | 92.1 | | 5 - 130 |
| 13C5 PFPeA | 97.5 | | 40 - 130 |
| 13C5 PFHxA | 95.3 | | 40 - 130 |
| 13C4 PFHpA | 110 | | 40 - 130 |
| 13C8 PFOA | 96.2 | | 40 - 130 |
| 13C9 PFNA | 87.6 | | 40 - 130 |
| 13C6 PFDA | 99.7 | | 40 - 130 |
| 13C7 PFUnA | 109 | | 30 - 130 |

Eurofins Albuquerque

QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

Method: Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 320-779486/3-A

Matrix: Water

Analysis Batch: 780306

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 779486

| Isotope Dilution | LCS LCS | | Limits |
|------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 13C2 PFDoA | 102 | | 10 - 130 |
| 13C2 PFTeDA | 88.1 | | 10 - 130 |
| 13C3 PFHxS | 85.2 | | 40 - 130 |
| 13C8 PFOS | 89.5 | | 40 - 130 |
| 13C8 PFOSA | 83.7 | | 40 - 130 |
| d3-NMeFOSAA | 94.8 | | 40 - 170 |
| d5-NEtFOSAA | 97.4 | | 25 - 135 |
| 13C2 4:2 FTS | 81.3 | | 40 - 200 |
| 13C2 6:2 FTS | 98.3 | | 40 - 200 |
| 13C2 8:2 FTS | 84.9 | | 40 - 300 |
| 13C3 HFPO-DA | 90.7 | | 40 - 130 |
| d7-N-MeFOSE-M | 74.1 | | 10 - 130 |
| d9-N-EtFOSE-M | 78.3 | | 10 - 130 |
| d5-NEtPFOSA | 75.7 | | 10 - 130 |
| d3-NMePFOSA | 74.2 | | 10 - 130 |

Lab Sample ID: LCSD 320-779486/4-A

Matrix: Water

Analysis Batch: 780306

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 779486

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | |
|---|-------------|-------------|----------------|------|---|------|-------------|-----|-------|
| | | | | | | | | RPD | Limit |
| Perfluorobutanoic acid (PFBA) | 128 | 131 | | ng/L | | 102 | 70 - 140 | 6 | 30 |
| Perfluoropentanoic acid (PFPeA) | 64.0 | 63.5 | | ng/L | | 99 | 65 - 135 | 8 | 30 |
| Perfluorohexanoic acid (PFHxA) | 32.0 | 31.4 | | ng/L | | 98 | 70 - 145 | 7 | 30 |
| Perfluoroheptanoic acid (PFHpA) | 32.0 | 30.1 | | ng/L | | 94 | 70 - 150 | 6 | 30 |
| Perfluorooctanoic acid (PFOA) | 32.0 | 29.5 | | ng/L | | 92 | 70 - 150 | 4 | 30 |
| Perfluorononanoic acid (PFNA) | 32.0 | 29.3 | | ng/L | | 91 | 70 - 150 | 9 | 30 |
| Perfluorodecanoic acid (PFDA) | 32.0 | 32.8 | | ng/L | | 102 | 70 - 140 | 9 | 30 |
| Perfluoroundecanoic acid (PFUnA) | 32.0 | 33.5 | | ng/L | | 105 | 70 - 145 | 11 | 30 |
| Perfluorododecanoic acid (PFDoA) | 32.0 | 31.5 | | ng/L | | 99 | 70 - 140 | 13 | 30 |
| Perfluorotridecanoic acid (PFTriDA) | 32.0 | 35.8 | | ng/L | | 112 | 65 - 140 | 8 | 30 |
| Perfluorotetradecanoic acid (PFTeDA) | 32.0 | 34.6 | | ng/L | | 108 | 60 - 140 | 9 | 30 |
| Perfluoropentanesulfonic acid (PFPeS) | 30.1 | 29.0 | | ng/L | | 96 | 65 - 140 | 6 | 30 |
| Perfluorohexanesulfonic acid (PFHxS) | 29.2 | 33.6 | | ng/L | | 115 | 65 - 145 | 9 | 30 |
| Perfluoroheptanesulfonic acid (PFHpS) | 30.5 | 32.4 | | ng/L | | 106 | 70 - 150 | 3 | 30 |
| Perfluorooctanesulfonic acid (PFOS) | 29.8 | 29.6 | | ng/L | | 99 | 55 - 150 | 4 | 30 |
| Perfluorononanesulfonic acid (PFNS) | 30.8 | 28.9 | | ng/L | | 94 | 65 - 145 | 0 | 30 |
| Perfluorodecanesulfonic acid (PFDS) | 30.8 | 27.6 | | ng/L | | 90 | 60 - 145 | 2 | 30 |
| Perfluorododecanesulfonic acid (PFDoS) | 31.0 | 27.4 | | ng/L | | 88 | 50 - 145 | 10 | 30 |
| 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS) | 120 | 139 | | ng/L | | 116 | 70 - 145 | 8 | 30 |

Eurofins Albuquerque

QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

Method: Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCSD 320-779486/4-A

Matrix: Water

Analysis Batch: 780306

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 779486

| Analyte | Spike Added | LCSD | LCSD | Unit | D | %Rec | %Rec | RPD | RPD |
|--|-------------|--------|-----------|------|---|------|----------|-----|-----|
| | | Result | Qualifier | | | | Limits | | |
| 1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS) | 122 | 128 | | ng/L | | 105 | 65 - 155 | 4 | 30 |
| 1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS) | 123 | 150 | | ng/L | | 122 | 60 - 150 | 11 | 30 |
| Perfluorooctanesulfonamide (PFOSA) | 32.0 | 27.0 | | ng/L | | 84 | 70 - 145 | 10 | 30 |
| N-methylperfluorooctane sulfonamide (NMeFOSA) | 32.0 | 31.0 | | ng/L | | 97 | 60 - 150 | 7 | 30 |
| N-ethylperfluorooctane sulfonamide (NEtFOSA) | 32.0 | 32.3 | | ng/L | | 101 | 65 - 145 | 10 | 30 |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA) | 32.0 | 30.4 | | ng/L | | 95 | 50 - 140 | 3 | 30 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA) | 32.0 | 29.0 | | ng/L | | 91 | 70 - 145 | 5 | 30 |
| N-methylperfluorooctane sulfonamidoethanol (NMeFOSE) | 320 | 321 | | ng/L | | 100 | 70 - 145 | 6 | 30 |
| N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE) | 320 | 316 | | ng/L | | 99 | 70 - 135 | 4 | 30 |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | 128 | 135 | | ng/L | | 105 | 70 - 140 | 12 | 30 |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | 121 | 156 | | ng/L | | 129 | 65 - 145 | 8 | 30 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | 64.0 | 70.2 | | ng/L | | 110 | 55 - 140 | 8 | 30 |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | 64.0 | 60.1 | | ng/L | | 94 | 60 - 150 | 7 | 30 |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | 64.0 | 63.6 | | ng/L | | 99 | 50 - 150 | 9 | 30 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS) | 120 | 137 | | ng/L | | 115 | 70 - 155 | 3 | 30 |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | 121 | 146 | | ng/L | | 121 | 55 - 160 | 7 | 30 |
| Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA) | 57.1 | 55.8 | | ng/L | | 98 | 70 - 140 | 5 | 30 |
| 3-Perfluoropropylpropanoic acid (3:3 FTCA) | 160 | 169 | | ng/L | | 106 | 65 - 130 | 5 | 30 |
| 3-Perfluoropentylpropanoic acid (5:3 FTCA) | 799 | 851 | | ng/L | | 107 | 70 - 135 | 5 | 30 |
| 3-Perfluoroheptylpropanoic acid (7:3 FTCA) | 799 | 925 | | ng/L | | 116 | 50 - 145 | 4 | 30 |

| Isotope Dilution | LCSD | | Limits |
|------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 13C4 PFBA | 90.7 | | 5 - 130 |
| 13C5 PFPeA | 96.1 | | 40 - 130 |
| 13C5 PFHxA | 93.8 | | 40 - 130 |
| 13C4 PFHpA | 111 | | 40 - 130 |
| 13C8 PFOA | 88.0 | | 40 - 130 |
| 13C9 PFNA | 103 | | 40 - 130 |
| 13C6 PFDA | 101 | | 40 - 130 |
| 13C7 PFUnA | 99.1 | | 30 - 130 |
| 13C2 PFDoA | 99.9 | | 10 - 130 |
| 13C2 PFTeDA | 86.8 | | 10 - 130 |

Eurofins Albuquerque

QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

Method: Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCSD 320-779486/4-A

Matrix: Water

Analysis Batch: 780306

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 779486

| Isotope Dilution | LCSD LCSD | | Limits |
|------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 13C3 PFHxS | 83.5 | | 40 - 130 |
| 13C8 PFOS | 92.0 | | 40 - 130 |
| 13C8 PFOSA | 88.4 | | 40 - 130 |
| d3-NMeFOSAA | 105 | | 40 - 170 |
| d5-NEtFOSAA | 103 | | 25 - 135 |
| 13C2 4:2 FTS | 81.3 | | 40 - 200 |
| 13C2 6:2 FTS | 97.3 | | 40 - 200 |
| 13C2 8:2 FTS | 86.6 | | 40 - 300 |
| 13C3 HFPO-DA | 91.8 | | 40 - 130 |
| d7-N-MeFOSE-M | 80.2 | | 10 - 130 |
| d9-N-EtFOSE-M | 85.0 | | 10 - 130 |
| d5-NEtPFOSA | 78.0 | | 10 - 130 |
| d3-NMePFOSA | 76.3 | | 10 - 130 |

Lab Sample ID: LLCS 320-779486/2-A

Matrix: Water

Analysis Batch: 780306

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 779486

| Analyte | Spike Added | LLCS | LLCS | Unit | D | %Rec | %Rec Limits |
|---|-------------|--------|-----------|------|---|------|-------------|
| | | Result | Qualifier | | | | |
| Perfluorobutanoic acid (PFBA) | 12.8 | 11.9 | | ng/L | | 93 | 70 - 140 |
| Perfluoropentanoic acid (PFPeA) | 6.40 | 5.78 | | ng/L | | 90 | 65 - 135 |
| Perfluorohexanoic acid (PFHxA) | 3.20 | 2.86 | | ng/L | | 89 | 70 - 145 |
| Perfluoroheptanoic acid (PFHpA) | 3.20 | 3.01 | | ng/L | | 94 | 70 - 150 |
| Perfluorooctanoic acid (PFOA) | 3.20 | 2.72 | | ng/L | | 85 | 70 - 150 |
| Perfluorononanoic acid (PFNA) | 3.20 | 3.48 | | ng/L | | 109 | 70 - 150 |
| Perfluorodecanoic acid (PFDA) | 3.20 | 2.99 | | ng/L | | 93 | 70 - 140 |
| Perfluoroundecanoic acid (PFUnA) | 3.20 | 3.09 | | ng/L | | 97 | 70 - 145 |
| Perfluorododecanoic acid (PFDoA) | 3.20 | 2.73 | | ng/L | | 85 | 70 - 140 |
| Perfluorotridecanoic acid (PFTrDA) | 3.20 | 3.56 | | ng/L | | 111 | 65 - 140 |
| Perfluorotetradecanoic acid (PFTeDA) | 3.20 | 3.14 | | ng/L | | 98 | 60 - 140 |
| Perfluoropentanesulfonic acid (PFPeS) | 3.01 | 2.46 | | ng/L | | 82 | 65 - 140 |
| Perfluorohexanesulfonic acid (PFHxS) | 2.92 | 3.02 | | ng/L | | 104 | 65 - 145 |
| Perfluoroheptanesulfonic acid (PFHpS) | 3.05 | 3.07 | | ng/L | | 101 | 70 - 150 |
| Perfluorooctanesulfonic acid (PFOS) | 2.98 | 2.68 | | ng/L | | 90 | 55 - 150 |
| Perfluorononanesulfonic acid (PFNS) | 3.08 | 2.94 | | ng/L | | 96 | 65 - 145 |
| Perfluorodecanesulfonic acid (PFDS) | 3.08 | 2.72 | | ng/L | | 88 | 60 - 145 |
| Perfluorododecanesulfonic acid (PFDoS) | 3.10 | 2.46 | | ng/L | | 79 | 50 - 145 |
| 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS) | 12.0 | 13.7 | | ng/L | | 114 | 70 - 145 |
| 1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS) | 12.2 | 11.9 | | ng/L | | 97 | 65 - 155 |

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QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

Method: Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 320-779486/2-A

Matrix: Water

Analysis Batch: 780306

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 779486

| Analyte | Spike | LLCS | LLCS | Unit | D | %Rec | %Rec Limits |
|--|-------|--------|-----------|------|---|------|-------------|
| | Added | Result | Qualifier | | | | |
| 1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS) | 12.3 | 11.9 | | ng/L | | 97 | 60 - 150 |
| Perfluorooctanesulfonamide (PFOSA) | 3.20 | 2.38 | | ng/L | | 74 | 70 - 145 |
| N-methylperfluorooctane sulfonamide (NMeFOSA) | 3.20 | 2.63 | | ng/L | | 82 | 60 - 150 |
| N-ethylperfluorooctane sulfonamide (NEtFOSA) | 3.20 | 2.84 | | ng/L | | 89 | 65 - 145 |
| N-methylperfluorooctanesulfonamide (NMeFOSA) | 3.20 | 3.00 | | ng/L | | 94 | 50 - 140 |
| N-ethylperfluorooctanesulfonamide (NEtFOSA) | 3.20 | 2.44 | | ng/L | | 76 | 70 - 145 |
| N-methylperfluorooctane sulfonamidoethanol (NMeFOSE) | 32.0 | 28.4 | | ng/L | | 89 | 70 - 145 |
| N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE) | 32.0 | 29.1 | | ng/L | | 91 | 70 - 135 |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | 12.8 | 11.5 | | ng/L | | 90 | 70 - 140 |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | 12.1 | 13.9 | | ng/L | | 115 | 65 - 145 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | 6.40 | 6.24 | | ng/L | | 98 | 55 - 140 |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | 6.40 | 5.41 | | ng/L | | 85 | 60 - 150 |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | 6.40 | 5.10 | | ng/L | | 80 | 50 - 150 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS) | 12.0 | 11.2 | | ng/L | | 94 | 70 - 155 |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | 12.1 | 13.3 | | ng/L | | 110 | 55 - 160 |
| Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA) | 5.71 | 4.89 | | ng/L | | 86 | 70 - 140 |
| 3-Perfluoropropylpropanoic acid (3:3 FTCA) | 16.0 | 15.2 | | ng/L | | 95 | 65 - 130 |
| 3-Perfluoropentylpropanoic acid (5:3 FTCA) | 79.9 | 70.5 | | ng/L | | 88 | 70 - 135 |
| 3-Perfluoroheptylpropanoic acid (7:3 FTCA) | 79.9 | 85.7 | | ng/L | | 107 | 50 - 145 |

| Isotope Dilution | LLCS | LLCS | Limits |
|------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 13C4 PFBA | 95.3 | | 5 - 130 |
| 13C5 PFPeA | 100 | | 40 - 130 |
| 13C5 PFHxA | 98.9 | | 40 - 130 |
| 13C4 PFHpA | 113 | | 40 - 130 |
| 13C8 PFOA | 99.9 | | 40 - 130 |
| 13C9 PFNA | 79.9 | | 40 - 130 |
| 13C6 PFDA | 91.0 | | 40 - 130 |
| 13C7 PFUnA | 84.8 | | 30 - 130 |
| 13C2 PFDoA | 85.0 | | 10 - 130 |
| 13C2 PFTeDA | 84.0 | | 10 - 130 |
| 13C3 PFHxS | 87.2 | | 40 - 130 |
| 13C8 PFOS | 98.8 | | 40 - 130 |

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QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

Method: Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 320-779486/2-A
 Matrix: Water
 Analysis Batch: 780306

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 779486

| Isotope Dilution | LLCS LLCS | | Limits |
|------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 13C8 PFOSA | 99.4 | | 40 - 130 |
| d3-NMeFOSAA | 101 | | 40 - 170 |
| d5-NEtFOSAA | 103 | | 25 - 135 |
| 13C2 4:2 FTS | 80.8 | | 40 - 200 |
| 13C2 6:2 FTS | 106 | | 40 - 200 |
| 13C2 8:2 FTS | 92.8 | | 40 - 300 |
| 13C3 HFPO-DA | 92.4 | | 40 - 130 |
| d7-N-MeFOSE-M | 89.4 | | 10 - 130 |
| d9-N-EtFOSE-M | 91.8 | | 10 - 130 |
| d5-NEtPFOSA | 84.5 | | 10 - 130 |
| d3-NMePFOSA | 85.9 | | 10 - 130 |

Method: Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS - RA

Lab Sample ID: MB 320-779486/1-A
 Matrix: Water
 Analysis Batch: 780601

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 779486

| Analyte | MB MB | | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Perfluorobutanesulfonic acid (PFBS) - RA | ND | | 2.0 | 0.50 | ng/L | | 07/15/24 11:26 | 07/17/24 13:53 | 1 |

| Isotope Dilution | MB MB | | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| 13C3 PFBS - RA | 82.7 | | 40 - 135 | 07/15/24 11:26 | 07/17/24 13:53 | 1 |

Lab Sample ID: LCS 320-779486/3-A
 Matrix: Water
 Analysis Batch: 780601

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 779486

| Analyte | Spike Added | LCS LCS | | Unit | D | %Rec | %Rec Limits |
|--|-------------|---------|-----------|------|---|------|-------------|
| | | Result | Qualifier | | | | |
| Perfluorobutanesulfonic acid (PFBS) - RA | 28.4 | 26.7 | | ng/L | | 94 | 60 - 145 |

| Isotope Dilution | LCS LCS | | Limits |
|------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 13C3 PFBS - RA | 78.1 | | 40 - 135 |

Lab Sample ID: LCSD 320-779486/4-A
 Matrix: Water
 Analysis Batch: 780601

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 779486

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | |
|--|-------------|-------------|----------------|------|---|------|-------------|-----|-------|
| | | | | | | | | RPD | Limit |
| Perfluorobutanesulfonic acid (PFBS) - RA | 28.4 | 28.9 | | ng/L | | 102 | 60 - 145 | 8 | 30 |

| Isotope Dilution | LCSD LCSD | | Limits |
|------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 13C3 PFBS - RA | 75.3 | | 40 - 135 |

QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

Method: Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS - RA (Continued)

Lab Sample ID: LLCS 320-779486/2-A
 Matrix: Water
 Analysis Batch: 780601

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 779486

| Analyte | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|--|-------------|-------------|----------------|------|---|------|-------------|
| Perfluorobutanesulfonic acid (PFBS) - RA | 2.84 | 2.50 | | ng/L | | 88 | 60 - 145 |

| Isotope Dilution | LLCS %Recovery | LLCS Qualifier | Limits |
|------------------|----------------|----------------|----------|
| 13C3 PFBS - RA | 75.8 | | 40 - 135 |

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

Lab Sample ID: MB 320-777390/1-A
 Matrix: Water
 Analysis Batch: 778376

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 777390

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-----|-----|------|---|----------------|----------------|---------|
| PCB-1 | ND | | 20 | 19 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-2 | ND | | 200 | 16 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-3 | ND | | 60 | 48 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-4 | ND | | 40 | 24 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-5 | ND | | 200 | 11 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-6 | ND | | 200 | 25 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-7 | ND | | 200 | 18 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-8 | ND | | 200 | 26 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-9 | ND | | 200 | 12 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-10 | ND | | 200 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-11 | ND | | 200 | 150 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-12 | ND | | 400 | 31 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-13 | ND | | 400 | 31 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-14 | ND | | 200 | 70 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-15 | ND | | 40 | 21 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-16 | ND | | 200 | 6.8 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-17 | ND | | 200 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-18 | ND | | 400 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-19 | ND | | 20 | 9.4 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-20 | ND | | 400 | 21 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-21 | ND | | 400 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-22 | ND | | 200 | 7.3 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-23 | ND | | 200 | 8.0 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-24 | ND | | 200 | 9.6 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-25 | ND | | 200 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-26 | ND | | 400 | 9.4 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-27 | ND | | 200 | 9.7 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-28 | ND | | 400 | 21 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-29 | ND | | 400 | 9.4 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-30 | ND | | 400 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-31 | ND | | 200 | 20 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-32 | ND | | 200 | 9.6 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-33 | ND | | 400 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-34 | ND | | 200 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-35 | ND | | 200 | 8.1 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-36 | ND | | 200 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |

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QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

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

Lab Sample ID: MB 320-777390/1-A
Matrix: Water
Analysis Batch: 778376

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777390

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| PCB-37 | ND | | 20 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-38 | ND | | 200 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-39 | ND | | 200 | 10 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-40 | ND | | 400 | 12 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-41 | ND | | 200 | 8.4 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-42 | ND | | 200 | 8.2 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-43 | ND | | 200 | 11 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-44 | ND | | 600 | 35 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-45 | ND | | 400 | 7.7 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-46 | ND | | 200 | 11 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-47 | ND | | 600 | 35 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-48 | ND | | 200 | 9.8 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-49 | ND | | 400 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-50 | ND | | 400 | 11 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-51 | ND | | 400 | 7.8 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-52 | ND | | 200 | 25 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-53 | ND | | 400 | 11 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-54 | ND | | 20 | 8.3 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-55 | ND | | 200 | 7.6 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-56 | ND | | 200 | 6.6 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-57 | ND | | 200 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-58 | ND | | 200 | 16 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-59 | ND | | 600 | 12 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-60 | ND | | 200 | 9.5 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-61 | ND | | 800 | 20 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-62 | ND | | 600 | 12 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-63 | ND | | 200 | 10 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-64 | ND | | 200 | 9.4 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-65 | ND | | 600 | 35 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-66 | ND | | 200 | 10 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-67 | ND | | 200 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-68 | ND | | 200 | 9.2 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-69 | ND | | 400 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-70 | ND | | 800 | 20 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-71 | ND | | 400 | 12 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-72 | ND | | 200 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-73 | ND | | 200 | 5.3 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-74 | ND | | 800 | 20 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-75 | ND | | 600 | 12 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-76 | ND | | 800 | 20 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-77 | ND | | 20 | 16 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-78 | ND | | 200 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-79 | ND | | 200 | 8.1 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-80 | ND | | 200 | 8.1 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-81 | ND | | 20 | 17 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-82 | ND | | 200 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-83 | ND | | 400 | 9.4 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-84 | ND | | 200 | 9.8 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-85 | ND | | 600 | 16 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |

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QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

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

Lab Sample ID: MB 320-777390/1-A

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 778376

Prep Batch: 777390

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|------|-----|------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| PCB-86 | ND | | 1200 | 29 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-87 | ND | | 1200 | 29 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-88 | ND | | 400 | 8.9 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-89 | ND | | 200 | 8.3 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-90 | ND | | 600 | 17 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-91 | ND | | 400 | 8.9 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-92 | ND | | 200 | 12 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-93 | ND | | 400 | 10 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-94 | ND | | 200 | 10 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-95 | ND | | 200 | 31 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-96 | ND | | 200 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-97 | ND | | 1200 | 29 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-98 | ND | | 400 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-99 | ND | | 400 | 8.0 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-100 | ND | | 400 | 10 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-101 | ND | | 600 | 17 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-102 | ND | | 400 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-103 | ND | | 200 | 8.7 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-104 | ND | | 20 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-105 | ND | | 20 | 9.2 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-106 | ND | | 200 | 8.3 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-107 | ND | | 200 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-108 | ND | | 400 | 29 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-109 | ND | | 1200 | 5.0 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-110 | ND | | 400 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-111 | ND | | 200 | 8.7 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-112 | ND | | 200 | 6.3 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-113 | ND | | 600 | 17 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-114 | ND | | 20 | 7.7 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-115 | ND | | 400 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-116 | ND | | 600 | 16 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-117 | ND | | 600 | 16 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-118 | ND | | 20 | 8.9 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-119 | ND | | 1200 | 29 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-120 | ND | | 200 | 5.6 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-121 | ND | | 200 | 11 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-122 | ND | | 200 | 8.1 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-123 | ND | | 20 | 9.8 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-124 | ND | | 400 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-125 | ND | | 1200 | 29 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-126 | ND | | 20 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-127 | ND | | 200 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-128 | ND | | 400 | 9.9 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-129 | ND | | 800 | 16 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-130 | ND | | 200 | 11 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-131 | ND | | 200 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-132 | ND | | 200 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-133 | ND | | 200 | 10 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-134 | ND | | 400 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |

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QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

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

Lab Sample ID: MB 320-777390/1-A
 Matrix: Water
 Analysis Batch: 778376

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 777390

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| PCB-135 | ND | | 400 | 9.8 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-136 | ND | | 200 | 6.1 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-137 | ND | | 200 | 12 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-138 | ND | | 800 | 16 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-139 | ND | | 400 | 9.3 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-140 | ND | | 400 | 9.3 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-141 | ND | | 200 | 7.3 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-142 | ND | | 200 | 12 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-143 | ND | | 400 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-144 | ND | | 200 | 6.2 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-145 | ND | | 200 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-146 | ND | | 200 | 7.2 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-147 | ND | | 400 | 9.3 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-148 | ND | | 200 | 6.6 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-149 | ND | | 400 | 9.3 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-150 | ND | | 200 | 11 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-151 | ND | | 400 | 9.8 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-152 | ND | | 200 | 5.5 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-153 | ND | | 400 | 9.3 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-154 | ND | | 200 | 5.8 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-155 | ND | | 20 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-156 | ND | | 40 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-157 | ND | | 40 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-158 | ND | | 200 | 11 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-159 | ND | | 200 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-160 | ND | | 800 | 7.3 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-161 | ND | | 200 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-162 | ND | | 200 | 9.0 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-163 | ND | | 800 | 16 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-164 | ND | | 200 | 20 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-165 | ND | | 200 | 12 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-166 | ND | | 400 | 9.9 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-167 | ND | | 20 | 7.7 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-168 | ND | | 400 | 9.3 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-169 | ND | | 20 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-170 | ND | | 200 | 19 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-171 | ND | | 400 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-172 | ND | | 200 | 16 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-173 | ND | | 400 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-174 | ND | | 200 | 17 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-175 | ND | | 200 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-176 | ND | | 200 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-177 | ND | | 200 | 16 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-178 | ND | | 200 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-179 | ND | | 200 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-180 | ND | | 400 | 10 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-181 | ND | | 200 | 20 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-182 | ND | | 200 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-183 | ND | | 200 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |

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QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

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

Lab Sample ID: MB 320-777390/1-A
 Matrix: Water
 Analysis Batch: 778376

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 777390

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| PCB-184 | ND | | 200 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-185 | ND | | 200 | 12 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-186 | ND | | 200 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-187 | ND | | 200 | 19 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-188 | ND | | 20 | 10 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-189 | ND | | 20 | 16 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-190 | ND | | 200 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-191 | ND | | 200 | 20 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-192 | ND | | 200 | 17 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-193 | ND | | 400 | 10 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-194 | ND | | 200 | 8.8 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-195 | ND | | 200 | 18 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-196 | ND | | 200 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-197 | ND | | 200 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-198 | ND | | 400 | 7.8 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-199 | ND | | 400 | 7.8 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-200 | ND | | 200 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-201 | ND | | 200 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-202 | ND | | 20 | 11 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-203 | ND | | 200 | 14 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-204 | ND | | 200 | 13 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-205 | ND | | 20 | 15 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-206 | ND | | 20 | 8.3 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-207 | ND | | 200 | 5.4 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-208 | ND | | 20 | 12 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-209 | ND | | 20 | 11 | pg/L | | 07/08/24 12:40 | 07/12/24 01:41 | 1 |

| Isotope Dilution | MB | MB | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| PCB-1L | 74 | | 15 - 150 | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-3L | 75 | | 15 - 150 | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-4L | 68 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-15L | 80 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-19L | 79 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-37L | 77 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-54L | 68 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-77L | 88 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-81L | 89 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-104L | 64 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-105L | 80 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-114L | 77 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-118L | 80 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-123L | 80 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-126L | 84 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-155L | 73 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-156L | 107 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-156L/157L | 107 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-157L | 107 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-167L | 106 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-169L | 110 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 01:41 | 1 |

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QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

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

Lab Sample ID: MB 320-777390/1-A
Matrix: Water
Analysis Batch: 778376

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 777390

| Isotope Dilution | MB MB | | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| PCB-188L | 58 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-189L | 70 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-202L | 61 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-205L | 75 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-206L | 65 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-208L | 60 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-209L | 62 | | 25 - 150 | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| Surrogate | MB MB | | Limits | Prepared | Analyzed | Dil Fac |
| | %Recovery | Qualifier | | | | |
| PCB-28L | 80 | | 30 - 135 | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-111L | 85 | | 30 - 135 | 07/08/24 12:40 | 07/12/24 01:41 | 1 |
| PCB-178L | 98 | | 30 - 135 | 07/08/24 12:40 | 07/12/24 01:41 | 1 |

Lab Sample ID: LCS 320-777390/2-A
Matrix: Water
Analysis Batch: 778376

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777390

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| | | | | | | | |
| PCB-3 | 2000 | 1860 | | pg/L | | 93 | 50 - 150 |
| PCB-4 | 2000 | 1830 | | pg/L | | 91 | 50 - 150 |
| PCB-15 | 2000 | 1710 | | pg/L | | 85 | 50 - 150 |
| PCB-19 | 2000 | 1800 | | pg/L | | 90 | 50 - 150 |
| PCB-37 | 2000 | 1970 | | pg/L | | 98 | 50 - 150 |
| PCB-54 | 2000 | 1790 | | pg/L | | 90 | 50 - 150 |
| PCB-77 | 2000 | 1900 | | pg/L | | 95 | 50 - 150 |
| PCB-81 | 2000 | 1980 | | pg/L | | 99 | 50 - 150 |
| PCB-104 | 2000 | 2340 | | pg/L | | 117 | 50 - 150 |
| PCB-105 | 2000 | 1810 | | pg/L | | 90 | 50 - 150 |
| PCB-114 | 2000 | 2250 | | pg/L | | 113 | 50 - 150 |
| PCB-118 | 2000 | 2020 | | pg/L | | 101 | 50 - 150 |
| PCB-123 | 2000 | 2200 | | pg/L | | 110 | 50 - 150 |
| PCB-126 | 2000 | 2130 | | pg/L | | 106 | 50 - 150 |
| PCB-155 | 2000 | 2520 | | pg/L | | 126 | 50 - 150 |
| PCB-156 | 4000 | 3770 | | pg/L | | 94 | 50 - 150 |
| PCB-157 | 4000 | 3770 | | pg/L | | 94 | 50 - 150 |
| PCB-167 | 2000 | 1930 | | pg/L | | 96 | 50 - 150 |
| PCB-169 | 2000 | 1860 | | pg/L | | 93 | 50 - 150 |
| PCB-188 | 2000 | 1870 | | pg/L | | 94 | 50 - 150 |
| PCB-189 | 2000 | 1910 | | pg/L | | 96 | 50 - 150 |
| PCB-202 | 2000 | 1960 | | pg/L | | 98 | 50 - 150 |
| PCB-205 | 2000 | 1990 | | pg/L | | 100 | 50 - 150 |
| PCB-206 | 2000 | 1830 | | pg/L | | 92 | 50 - 150 |
| PCB-208 | 2000 | 2010 | | pg/L | | 100 | 50 - 150 |
| PCB-209 | 2000 | 1780 | | pg/L | | 89 | 50 - 150 |

| Isotope Dilution | LCS LCS | | Limits |
|------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| PCB-1L | 74 | | 15 - 140 |

QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

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

Lab Sample ID: LCS 320-777390/2-A
Matrix: Water
Analysis Batch: 778376

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 777390

| Isotope Dilution | LCS LCS | | Limits |
|------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| PCB-3L | 75 | | 15 - 140 |
| PCB-4L | 70 | | 30 - 140 |
| PCB-15L | 81 | | 30 - 140 |
| PCB-19L | 79 | | 30 - 140 |
| PCB-37L | 79 | | 30 - 140 |
| PCB-54L | 69 | | 30 - 140 |
| PCB-77L | 89 | | 30 - 140 |
| PCB-81L | 88 | | 30 - 140 |
| PCB-104L | 68 | | 30 - 140 |
| PCB-105L | 84 | | 30 - 140 |
| PCB-114L | 83 | | 30 - 140 |
| PCB-118L | 82 | | 30 - 140 |
| PCB-123L | 83 | | 30 - 140 |
| PCB-126L | 87 | | 30 - 140 |
| PCB-155L | 81 | | 30 - 140 |
| PCB-156L | 110 | | 30 - 140 |
| PCB-156L/157L | 110 | | 30 - 140 |
| PCB-157L | 110 | | 30 - 140 |
| PCB-167L | 112 | | 30 - 140 |
| PCB-169L | 114 | | 30 - 140 |
| PCB-188L | 60 | | 30 - 140 |
| PCB-189L | 75 | | 30 - 140 |
| PCB-202L | 65 | | 30 - 140 |
| PCB-205L | 77 | | 30 - 140 |
| PCB-206L | 67 | | 30 - 140 |
| PCB-208L | 65 | | 30 - 140 |
| PCB-209L | 68 | | 30 - 140 |

| Surrogate | LCS LCS | | Limits |
|-----------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| PCB-28L | 80 | | 40 - 125 |
| PCB-111L | 82 | | 40 - 125 |
| PCB-178L | 91 | | 40 - 125 |

Lab Sample ID: LCSD 320-777390/3-A
Matrix: Water
Analysis Batch: 778376

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 777390

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec | | RPD | |
|---------|-------------|-------------|----------------|------|---|------|----------|-----|-----|-------|
| | | | | | | | Limits | RPD | RPD | Limit |
| PCB-1 | 2000 | 1890 | | pg/L | | 94 | 50 - 150 | 1 | 50 | |
| PCB-3 | 2000 | 1830 | | pg/L | | 91 | 50 - 150 | 2 | 50 | |
| PCB-4 | 2000 | 1900 | | pg/L | | 95 | 50 - 150 | 4 | 50 | |
| PCB-15 | 2000 | 1680 | | pg/L | | 84 | 50 - 150 | 1 | 50 | |
| PCB-19 | 2000 | 1800 | | pg/L | | 90 | 50 - 150 | 0 | 50 | |
| PCB-37 | 2000 | 1950 | | pg/L | | 98 | 50 - 150 | 1 | 50 | |
| PCB-54 | 2000 | 1880 | | pg/L | | 94 | 50 - 150 | 4 | 50 | |
| PCB-77 | 2000 | 1880 | | pg/L | | 94 | 50 - 150 | 1 | 50 | |
| PCB-81 | 2000 | 2070 | | pg/L | | 103 | 50 - 150 | 4 | 50 | |
| PCB-104 | 2000 | 2370 | | pg/L | | 118 | 50 - 150 | 1 | 50 | |

Eurofins Albuquerque

QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

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

Lab Sample ID: LCSD 320-777390/3-A

Matrix: Water

Analysis Batch: 778376

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 777390

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec | | RPD | Limit |
|---------|-------------|-------------|----------------|------|---|------|----------|-----|-----|-------|
| | | | | | | | Limits | RPD | | |
| PCB-105 | 2000 | 1860 | | pg/L | | 93 | 50 - 150 | 3 | 50 | |
| PCB-114 | 2000 | 2140 | | pg/L | | 107 | 50 - 150 | 5 | 50 | |
| PCB-118 | 2000 | 1920 | | pg/L | | 96 | 50 - 150 | 5 | 50 | |
| PCB-123 | 2000 | 2170 | | pg/L | | 108 | 50 - 150 | 1 | 50 | |
| PCB-126 | 2000 | 2080 | | pg/L | | 104 | 50 - 150 | 2 | 50 | |
| PCB-155 | 2000 | 2640 | | pg/L | | 132 | 50 - 150 | 5 | 50 | |
| PCB-156 | 4000 | 3740 | | pg/L | | 94 | 50 - 150 | 1 | 50 | |
| PCB-157 | 4000 | 3740 | | pg/L | | 94 | 50 - 150 | 1 | 50 | |
| PCB-167 | 2000 | 1900 | | pg/L | | 95 | 50 - 150 | 2 | 50 | |
| PCB-169 | 2000 | 1950 | | pg/L | | 97 | 50 - 150 | 5 | 50 | |
| PCB-188 | 2000 | 1910 | | pg/L | | 95 | 50 - 150 | 2 | 50 | |
| PCB-189 | 2000 | 1910 | | pg/L | | 96 | 50 - 150 | 0 | 50 | |
| PCB-202 | 2000 | 1970 | | pg/L | | 98 | 50 - 150 | 0 | 50 | |
| PCB-205 | 2000 | 2080 | | pg/L | | 104 | 50 - 150 | 4 | 50 | |
| PCB-206 | 2000 | 1730 | | pg/L | | 87 | 50 - 150 | 5 | 50 | |
| PCB-208 | 2000 | 2020 | | pg/L | | 101 | 50 - 150 | 1 | 50 | |
| PCB-209 | 2000 | 1800 | | pg/L | | 90 | 50 - 150 | 1 | 50 | |

| Isotope Dilution | LCSD | | Limits |
|------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| PCB-1L | 74 | | 15 - 140 |
| PCB-3L | 77 | | 15 - 140 |
| PCB-4L | 69 | | 30 - 140 |
| PCB-15L | 83 | | 30 - 140 |
| PCB-19L | 81 | | 30 - 140 |
| PCB-37L | 80 | | 30 - 140 |
| PCB-54L | 69 | | 30 - 140 |
| PCB-77L | 92 | | 30 - 140 |
| PCB-81L | 91 | | 30 - 140 |
| PCB-104L | 67 | | 30 - 140 |
| PCB-105L | 86 | | 30 - 140 |
| PCB-114L | 86 | | 30 - 140 |
| PCB-118L | 88 | | 30 - 140 |
| PCB-123L | 85 | | 30 - 140 |
| PCB-126L | 89 | | 30 - 140 |
| PCB-155L | 70 | | 30 - 140 |
| PCB-156L | 104 | | 30 - 140 |
| PCB-156L/157L | 104 | | 30 - 140 |
| PCB-157L | 104 | | 30 - 140 |
| PCB-167L | 104 | | 30 - 140 |
| PCB-169L | 104 | | 30 - 140 |
| PCB-188L | 61 | | 30 - 140 |
| PCB-189L | 76 | | 30 - 140 |
| PCB-202L | 66 | | 30 - 140 |
| PCB-205L | 77 | | 30 - 140 |
| PCB-206L | 70 | | 30 - 140 |
| PCB-208L | 63 | | 30 - 140 |
| PCB-209L | 68 | | 30 - 140 |

QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

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

Lab Sample ID: LCSD 320-777390/3-A
 Matrix: Water
 Analysis Batch: 778376

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 777390

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|-----------|-------------------|-------------------|----------|
| PCB-28L | 79 | | 40 - 125 |
| PCB-111L | 83 | | 40 - 125 |
| PCB-178L | 91 | | 40 - 125 |

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MRL 885-8057/14
 Matrix: Water
 Analysis Batch: 8057

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 | 0.515 | J | mg/L | | 103 | 50 - 150 |
| Magnesium | 0.500 | 0.520 | J | mg/L | | 104 | 50 - 150 |

Lab Sample ID: MRL 885-8191/13
 Matrix: Water
 Analysis Batch: 8191

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 | 0.548 | J | mg/L | | 110 | 50 - 150 |
| Magnesium | 0.500 | 0.560 | J | mg/L | | 112 | 50 - 150 |

Lab Sample ID: MB 885-7782/1-A
 Matrix: Water
 Analysis Batch: 8057

Client Sample ID: Method Blank
 Prep Type: Total Recoverable
 Prep Batch: 7782

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------------|-----------------|-----|-------|------|---|----------------|----------------|---------|
| Calcium | ND | | 1.0 | 0.053 | mg/L | | 07/02/24 13:43 | 07/08/24 09:51 | 1 |
| Magnesium | ND | | 1.0 | 0.033 | mg/L | | 07/02/24 13:43 | 07/08/24 09:51 | 1 |

Lab Sample ID: LCS 885-7782/6-A
 Matrix: Water
 Analysis Batch: 8057

Client Sample ID: Lab Control Sample
 Prep Type: Total Recoverable
 Prep Batch: 7782

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------|----------------|---------------|------------------|------|---|------|----------------|
| Calcium | 50.0 | 52.5 | | mg/L | | 105 | 85 - 115 |
| Magnesium | 50.0 | 51.7 | | mg/L | | 103 | 85 - 115 |

Lab Sample ID: LLCS 885-7782/5-A
 Matrix: Water
 Analysis Batch: 8057

Client Sample ID: Lab Control Sample
 Prep Type: Total Recoverable
 Prep Batch: 7782

| Analyte | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------|----------------|----------------|-------------------|------|---|------|----------------|
| Calcium | 0.500 | 0.524 | J | mg/L | | 105 | 50 - 150 |
| Magnesium | 0.500 | 0.511 | J | mg/L | | 102 | 50 - 150 |

QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 160-670850/1-A
Matrix: Water
Analysis Batch: 671639

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670850

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-----|------|------|---|----------------|----------------|---------|
| Uranium | ND | | 1.0 | 0.15 | ug/L | | 07/16/24 15:34 | 07/19/24 14:22 | 2 |

Lab Sample ID: LCS 160-670850/2-A
Matrix: Water
Analysis Batch: 671639

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670850

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| Uranium | 1000 | 963 | | ug/L | | 96 | 85 - 115 |

Lab Sample ID: 885-7077-1 MS
Matrix: Water
Analysis Batch: 671639

Client Sample ID: RG-North20240626
Prep Type: Total/NA
Prep Batch: 670850

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Uranium | 1.5 | | 1000 | 993 | | ug/L | | 99 | 70 - 130 |

Lab Sample ID: 885-7077-1 MSD
Matrix: Water
Analysis Batch: 671639

Client Sample ID: RG-North20240626
Prep Type: Total/NA
Prep Batch: 670850

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Uranium | 1.5 | | 1000 | 994 | | ug/L | | 99 | 70 - 130 | 0 | 20 |

Lab Sample ID: 885-7077-2 MS
Matrix: Water
Analysis Batch: 671639

Client Sample ID: RG-South20240627
Prep Type: Total/NA
Prep Batch: 670850

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Uranium | 1.6 | | 1000 | 1020 | | ug/L | | 101 | 70 - 130 |

Lab Sample ID: 885-7077-2 MSD
Matrix: Water
Analysis Batch: 671639

Client Sample ID: RG-South20240627
Prep Type: Total/NA
Prep Batch: 670850

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Uranium | 1.6 | | 1000 | 1010 | | ug/L | | 100 | 70 - 130 | 1 | 20 |

Lab Sample ID: MB 885-8085/19
Matrix: Water
Analysis Batch: 8085

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|---------|----------|------|---|----------|----------------|---------|
| Copper | ND | | 0.00050 | 0.00012 | mg/L | | | 07/09/24 09:56 | 1 |
| Lead | ND | | 0.00050 | 0.000083 | mg/L | | | 07/09/24 09:56 | 1 |

QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 885-8085/20
 Matrix: Water
 Analysis Batch: 8085

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| Copper | 0.0250 | 0.0242 | | mg/L | | 97 | 85 - 115 |
| Lead | 0.0125 | 0.0125 | | mg/L | | 100 | 85 - 115 |

Lab Sample ID: MRL 885-8085/17
 Matrix: Water
 Analysis Batch: 8085

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 | 0.000507 | | mg/L | | 101 | 50 - 150 |

Lab Sample ID: MRL 885-8085/18
 Matrix: Water
 Analysis Batch: 8085

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 | 0.000476 | J | mg/L | | 95 | 50 - 150 |

Method: 1664B - HEM and SGT-HEM

Lab Sample ID: MB 885-7985/1
 Matrix: Water
 Analysis Batch: 7985

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 | | | 07/08/24 09:19 | 1 |

Lab Sample ID: LCS 885-7985/2
 Matrix: Water
 Analysis Batch: 7985

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 | 33.2 | | mg/L | | 83 | 78 - 114 |

Lab Sample ID: LCSD 885-7985/3
 Matrix: Water
 Analysis Batch: 7985

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

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| HEM (Oil & Grease) | 40.0 | 36.2 | | mg/L | | 91 | 78 - 114 | 9 | 20 |

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

Lab Sample ID: MB 885-7815/1
 Matrix: Water
 Analysis Batch: 7815

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 | | | 07/02/24 14:21 | 1 |

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QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

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

Lab Sample ID: LCS 885-7815/2
 Matrix: Water
 Analysis Batch: 7815

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 | 1020 | | mg/L | | 102 | 80 - 120 |

Lab Sample ID: MB 885-7881/1
 Matrix: Water
 Analysis Batch: 7881

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 | | | 07/03/24 12:52 | 1 |

Lab Sample ID: LCS 885-7881/2
 Matrix: Water
 Analysis Batch: 7881

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 | 999 | | mg/L | | 100 | 80 - 120 |

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-8010/3-A
 Matrix: Water
 Analysis Batch: 8585

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 8010

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------|-----------|--------------|------|------|------|---|----------------|----------------|---------|
| Nitrogen, Total Kjeldahl | ND | | 0.50 | 0.50 | mg/L | | 07/08/24 11:40 | 07/09/24 12:26 | 1 |

Lab Sample ID: LCS 885-8010/5-A
 Matrix: Water
 Analysis Batch: 8585

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 8010

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------------------|-------------|------------|---------------|------|---|------|-------------|
| Nitrogen, Total Kjeldahl | 10.0 | 10.4 | | mg/L | | 104 | 90 - 110 |

Lab Sample ID: LLCS 885-8010/4-A
 Matrix: Water
 Analysis Batch: 8585

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 8010

| Analyte | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------------------|-------------|-------------|----------------|------|---|------|-------------|
| Nitrogen, Total Kjeldahl | 0.500 | 0.623 | | mg/L | | 125 | 50 - 150 |

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 885-8218/1-A
 Matrix: Water
 Analysis Batch: 8500

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 8218

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------|-----------|--------------|-------|-------|------|---|----------------|----------------|---------|
| Total Phosphorus as P | ND | | 0.050 | 0.050 | mg/L | | 07/11/24 08:30 | 07/16/24 09:23 | 1 |

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QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

Method: 365.1 - Phosphorus, Total (Continued)

Lab Sample ID: LCS 885-8218/2-A
 Matrix: Water
 Analysis Batch: 8500

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 8218

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------|-------------|------------|---------------|------|---|------|-------------|
| Total Phosphorus as P | 0.250 | 0.239 | | mg/L | | 95 | 90 - 110 |

Lab Sample ID: MRL 885-8218/7-A
 Matrix: Water
 Analysis Batch: 8500

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 8218

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------|-------------|------------|---------------|------|---|------|-------------|
| Total Phosphorus as P | 0.0500 | 0.0529 | | mg/L | | 106 | 50 - 150 |

Method: 5220D - COD

Lab Sample ID: MB 885-8084/4
 Matrix: Water
 Analysis Batch: 8084

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 | | | 07/09/24 14:14 | 1 |

Lab Sample ID: LCS 885-8084/5
 Matrix: Water
 Analysis Batch: 8084

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 | 511 | | mg/L | | 102 | 90 - 110 |

Lab Sample ID: MRL 885-8084/6
 Matrix: Water
 Analysis Batch: 8084

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 | 62.6 | | mg/L | | 125 | 50 - 150 |

Lab Sample ID: MB 885-9076/4
 Matrix: Water
 Analysis Batch: 9076

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 | | | 07/23/24 14:19 | 1 |

Lab Sample ID: LCS 885-9076/5
 Matrix: Water
 Analysis Batch: 9076

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 | 520 | | mg/L | | 104 | 90 - 110 |

QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

Method: 5220D - COD (Continued)

Lab Sample ID: MRL 885-9076/6
 Matrix: Water
 Analysis Batch: 9076

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 885-7827/1
 Matrix: Water
 Analysis Batch: 7827

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 | | | 07/02/24 16:35 | 1 |

Lab Sample ID: LCSSRM 885-7827/2
 Matrix: Water
 Analysis Batch: 7827

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 | 104 | | mg/L | | 104.0 | 77.1 - 110.0 |

Method: SM 4500 H+ B - pH

Lab Sample ID: 885-7077-2 DU
 Matrix: Water
 Analysis Batch: 8154

Client Sample ID: RG-South20240627
 Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|---------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| pH | 8.2 | HF | 8.2 | | SU | | 0 | 20 |

Method: SM5210B - BOD, 5 Day

Lab Sample ID: USB 885-7579/1
 Matrix: Water
 Analysis Batch: 7579

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 | | | 06/28/24 11:05 | 1 |

Lab Sample ID: LCS 885-7579/2
 Matrix: Water
 Analysis Batch: 7579

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 | 136 | *- | mg/L | | 69 | 85 - 115 |

QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

Method: 900.0 - Gross Alpha and Gross Beta Radioactivity

Lab Sample ID: MB 160-669229/1-A
Matrix: Water
Analysis Batch: 671234

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 669229

| Analyte | MB | MB | Count | Total | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|-------------|---------|-----------|---------|---------|------|-------|-------|----------------|----------------|---------|
| | Result | Qualifier | Uncert. | Uncert. | | | | | | |
| Gross Alpha | 0.05317 | U | 0.636 | 0.636 | 3.00 | 1.19 | pCi/L | 07/03/24 08:58 | 07/18/24 17:23 | 1 |
| Gross Beta | 0.3346 | U | 0.541 | 0.542 | 4.00 | 0.910 | pCi/L | 07/03/24 08:58 | 07/18/24 17:23 | 1 |

Lab Sample ID: LCS 160-669229/2-A
Matrix: Water
Analysis Batch: 671234

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 669229

| Analyte | Spike Added | LCS Result | LCS Qual | Total | RL | MDC | Unit | %Rec | %Rec |
|-------------|-------------|------------|----------|-----------------|------|------|-------|------|----------|
| | | | | Uncert. (2σ+/-) | | | | | Limits |
| Gross Alpha | 49.5 | 51.70 | | 7.58 | 3.00 | 1.87 | pCi/L | 104 | 75 - 125 |

Lab Sample ID: LCSB 160-669229/3-A
Matrix: Water
Analysis Batch: 671234

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 669229

| Analyte | Spike Added | LCSB Result | LCSB Qual | Total | RL | MDC | Unit | %Rec | %Rec |
|------------|-------------|-------------|-----------|-----------------|------|-------|-------|------|----------|
| | | | | Uncert. (2σ+/-) | | | | | Limits |
| Gross Beta | 71.2 | 68.60 | | 7.38 | 4.00 | 0.769 | pCi/L | 96 | 75 - 125 |

Lab Sample ID: 885-7077-2 MS
Matrix: Water
Analysis Batch: 671234

Client Sample ID: RG-South20240627
Prep Type: Total/NA
Prep Batch: 669229

| Analyte | Sample | Sample | Spike Added | MS | MS | Total | RL | MDC | Unit | %Rec | %Rec |
|-------------|--------|--------|-------------|--------|------|-----------------|------|------|-------|------|----------|
| | Result | Qual | | Result | Qual | Uncert. (2σ+/-) | | | | | Limits |
| Gross Alpha | 4.84 | G | 109 | 112.0 | | 16.8 | 3.00 | 5.42 | pCi/L | 98 | 60 - 140 |

Lab Sample ID: 885-7077-2 MSBT
Matrix: Water
Analysis Batch: 671234

Client Sample ID: RG-South20240627
Prep Type: Total/NA
Prep Batch: 669229

| Analyte | Sample | Sample | Spike Added | MSBT | MSBT | Total | RL | MDC | Unit | %Rec | %Rec |
|------------|--------|--------|-------------|--------|------|-----------------|------|------|-------|------|----------|
| | Result | Qual | | Result | Qual | Uncert. (2σ+/-) | | | | | Limits |
| Gross Beta | 7.45 | | 156 | 165.5 | | 17.7 | 4.00 | 2.22 | pCi/L | 101 | 60 - 140 |

Lab Sample ID: 885-7077-2 DU
Matrix: Water
Analysis Batch: 671234

Client Sample ID: RG-South20240627
Prep Type: Total/NA
Prep Batch: 669229

| Analyte | Sample | Sample | DU | DU | Total | RL | MDC | Unit | RER | RER | Limit |
|-------------|--------|--------|-------|--------|-------|------|------|-------|------|-----------------|-------|
| | Result | Qual | | Result | Qual | | | | | Uncert. (2σ+/-) | Limit |
| Gross Alpha | 4.84 | G | 3.147 | U G | 3.06 | 3.00 | 4.81 | pCi/L | 0.27 | 1 | |
| Gross Beta | 7.45 | | 8.810 | | 2.12 | 4.00 | 2.25 | pCi/L | 0.34 | 1 | |

QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Project/Site: CMC

Job ID: 885-7077-1

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

Lab Sample ID: MB 885-7536/1

Matrix: Water

Analysis Batch: 7536

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 | | | 06/27/24 17:12 | 1 |

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

QC Association Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

GC/MS VOA

Analysis Batch: 169234

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 885-7077-1 | RG-North20240626 | Total/NA | Water | 624.1 | |
| 885-7077-2 | RG-South20240627 | Total/NA | Water | 624.1 | |
| MB 860-169234/9 | Method Blank | Total/NA | Water | 624.1 | |
| LCS 860-169234/3 | Lab Control Sample | Total/NA | Water | 624.1 | |
| LCSD 860-169234/4 | Lab Control Sample Dup | Total/NA | Water | 624.1 | |

GC/MS Semi VOA

Prep Batch: 169191

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 885-7077-1 | RG-North20240626 | Total/NA | Water | 3511 | |
| 885-7077-2 | RG-South20240627 | Total/NA | Water | 3511 | |

Analysis Batch: 169359

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 885-7077-1 | RG-North20240626 | Total/NA | Water | 625.1 | 169191 |

Analysis Batch: 169694

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 885-7077-2 | RG-South20240627 | Total/NA | Water | 625.1 | 169191 |

GC Semi VOA

Prep Batch: 169312

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 885-7077-1 | RG-North20240626 | Total/NA | Water | 3511 | |
| 885-7077-2 | RG-South20240627 | Total/NA | Water | 3511 | |
| MB 860-169312/1-A | Method Blank | Total/NA | Water | 3511 | |
| LCS 860-169312/2-A | Lab Control Sample | Total/NA | Water | 3511 | |
| LCSD 860-169312/3-A | Lab Control Sample Dup | Total/NA | Water | 3511 | |

Analysis Batch: 169369

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 885-7077-1 | RG-North20240626 | Total/NA | Water | 608.3 | 169312 |
| 885-7077-2 | RG-South20240627 | Total/NA | Water | 608.3 | 169312 |
| MB 860-169312/1-A | Method Blank | Total/NA | Water | 608.3 | 169312 |
| LCS 860-169312/2-A | Lab Control Sample | Total/NA | Water | 608.3 | 169312 |
| LCSD 860-169312/3-A | Lab Control Sample Dup | Total/NA | Water | 608.3 | 169312 |

Prep Batch: 169461

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 885-7077-1 | RG-North20240626 | Total/NA | Water | 3510C | |
| 885-7077-2 | RG-South20240627 | Total/NA | Water | 3510C | |
| MB 860-169461/1-A | Method Blank | Total/NA | Water | 3510C | |
| LCS 860-169461/2-A | Lab Control Sample | Total/NA | Water | 3510C | |
| LCSD 860-169461/3-A | Lab Control Sample Dup | Total/NA | Water | 3510C | |

Analysis Batch: 169649

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------|-----------|--------|----------|------------|
| 885-7077-1 | RG-North20240626 | Total/NA | Water | 8081B_LL | 169461 |
| 885-7077-2 | RG-South20240627 | Total/NA | Water | 8081B_LL | 169461 |
| MB 860-169461/1-A | Method Blank | Total/NA | Water | 8081B_LL | 169461 |

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QC Association Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

GC Semi VOA (Continued)

Analysis Batch: 169649 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| LCS 860-169461/2-A | Lab Control Sample | Total/NA | Water | 8081B_LL | 169461 |
| LCSD 860-169461/3-A | Lab Control Sample Dup | Total/NA | Water | 8081B_LL | 169461 |

Prep Batch: 169818

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 885-7077-1 | RG-North20240626 | Total/NA | Water | 3511 | |
| 885-7077-2 | RG-South20240627 | Total/NA | Water | 3511 | |
| MB 860-169818/1-A | Method Blank | Total/NA | Water | 3511 | |
| LCS 860-169818/2-A | Lab Control Sample | Total/NA | Water | 3511 | |
| LCSD 860-169818/3-A | Lab Control Sample Dup | Total/NA | Water | 3511 | |

Analysis Batch: 169920

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| MB 860-169818/1-A | Method Blank | Total/NA | Water | 608.3 | 169818 |
| LCS 860-169818/2-A | Lab Control Sample | Total/NA | Water | 608.3 | 169818 |
| LCSD 860-169818/3-A | Lab Control Sample Dup | Total/NA | Water | 608.3 | 169818 |

Analysis Batch: 170091

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 885-7077-1 | RG-North20240626 | Total/NA | Water | 608.3 | 169818 |
| 885-7077-2 | RG-South20240627 | Total/NA | Water | 608.3 | 169818 |

HPLC/IC

Analysis Batch: 7687

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|--------------------|-----------|--------|--------|------------|
| 885-7077-1 | RG-North20240626 | Total/NA | Water | 300.0 | |
| 885-7077-2 | RG-South20240627 | Total/NA | Water | 300.0 | |
| MB 885-7687/10 | Method Blank | Total/NA | Water | 300.0 | |
| MB 885-7687/58 | Method Blank | Total/NA | Water | 300.0 | |
| LCS 885-7687/11 | Lab Control Sample | Total/NA | Water | 300.0 | |
| LCS 885-7687/59 | Lab Control Sample | Total/NA | Water | 300.0 | |
| MRL 885-7687/9 | Lab Control Sample | Total/NA | Water | 300.0 | |

LCMS

Prep Batch: 779486

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------------|------------------------|-----------|--------|--------|------------|
| 885-7077-1 | RG-North20240626 | Total/NA | Water | 1633 | |
| 885-7077-1 - RA | RG-North20240626 | Total/NA | Water | 1633 | |
| 885-7077-2 | RG-South20240627 | Total/NA | Water | 1633 | |
| 885-7077-2 - RA | RG-South20240627 | Total/NA | Water | 1633 | |
| 885-7077-3 - RA | EB-20240627 | Total/NA | Water | 1633 | |
| 885-7077-3 | EB-20240627 | Total/NA | Water | 1633 | |
| MB 320-779486/1-A | Method Blank | Total/NA | Water | 1633 | |
| MB 320-779486/1-A - RA | Method Blank | Total/NA | Water | 1633 | |
| LCS 320-779486/3-A - RA | Lab Control Sample | Total/NA | Water | 1633 | |
| LCS 320-779486/3-A | Lab Control Sample | Total/NA | Water | 1633 | |
| LCSD 320-779486/4-A - RA | Lab Control Sample Dup | Total/NA | Water | 1633 | |
| LCSD 320-779486/4-A | Lab Control Sample Dup | Total/NA | Water | 1633 | |
| LLCS 320-779486/2-A - RA | Lab Control Sample | Total/NA | Water | 1633 | |
| LLCS 320-779486/2-A | Lab Control Sample | Total/NA | Water | 1633 | |

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QC Association Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

LCMS

Analysis Batch: 780306

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------------|------------|
| 885-7077-1 | RG-North20240626 | Total/NA | Water | Draft-4 1633 | 779486 |
| 885-7077-2 | RG-South20240627 | Total/NA | Water | Draft-4 1633 | 779486 |
| 885-7077-3 | EB-20240627 | Total/NA | Water | Draft-4 1633 | 779486 |
| MB 320-779486/1-A | Method Blank | Total/NA | Water | Draft-4 1633 | 779486 |
| LCS 320-779486/3-A | Lab Control Sample | Total/NA | Water | Draft-4 1633 | 779486 |
| LCSD 320-779486/4-A | Lab Control Sample Dup | Total/NA | Water | Draft-4 1633 | 779486 |
| LLCS 320-779486/2-A | Lab Control Sample | Total/NA | Water | Draft-4 1633 | 779486 |

Analysis Batch: 780601

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------------|------------------------|-----------|--------|--------------|------------|
| 885-7077-1 - RA | RG-North20240626 | Total/NA | Water | Draft-4 1633 | 779486 |
| 885-7077-2 - RA | RG-South20240627 | Total/NA | Water | Draft-4 1633 | 779486 |
| 885-7077-3 - RA | EB-20240627 | Total/NA | Water | Draft-4 1633 | 779486 |
| MB 320-779486/1-A - RA | Method Blank | Total/NA | Water | Draft-4 1633 | 779486 |
| LCS 320-779486/3-A - RA | Lab Control Sample | Total/NA | Water | Draft-4 1633 | 779486 |
| LCSD 320-779486/4-A - RA | Lab Control Sample Dup | Total/NA | Water | Draft-4 1633 | 779486 |
| LLCS 320-779486/2-A - RA | Lab Control Sample | Total/NA | Water | Draft-4 1633 | 779486 |

Specialty Organics

Prep Batch: 777390

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 885-7077-1 | RG-North20240626 | Total/NA | Water | HRMS-Sep | |
| 885-7077-2 | RG-South20240627 | Total/NA | Water | HRMS-Sep | |
| MB 320-777390/1-A | Method Blank | Total/NA | Water | HRMS-Sep | |
| LCS 320-777390/2-A | Lab Control Sample | Total/NA | Water | HRMS-Sep | |
| LCSD 320-777390/3-A | Lab Control Sample Dup | Total/NA | Water | HRMS-Sep | |

Analysis Batch: 778376

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 885-7077-1 | RG-North20240626 | Total/NA | Water | 1668A | 777390 |
| 885-7077-2 | RG-South20240627 | Total/NA | Water | 1668A | 777390 |
| MB 320-777390/1-A | Method Blank | Total/NA | Water | 1668A | 777390 |
| LCS 320-777390/2-A | Lab Control Sample | Total/NA | Water | 1668A | 777390 |
| LCSD 320-777390/3-A | Lab Control Sample Dup | Total/NA | Water | 1668A | 777390 |

Metals

Prep Batch: 7782

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-------------------|--------|--------|------------|
| 885-7077-1 | RG-North20240626 | Total Recoverable | Water | 200.2 | |
| 885-7077-2 | RG-South20240627 | Total Recoverable | Water | 200.2 | |
| MB 885-7782/1-A | Method Blank | Total Recoverable | Water | 200.2 | |
| LCS 885-7782/6-A | Lab Control Sample | Total Recoverable | Water | 200.2 | |
| LLCS 885-7782/5-A | Lab Control Sample | Total Recoverable | Water | 200.2 | |

Analysis Batch: 8057

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-------------------|--------|---------------|------------|
| 885-7077-1 | RG-North20240626 | Total Recoverable | Water | 200.7 Rev 4.4 | 7782 |
| 885-7077-2 | RG-South20240627 | Total Recoverable | Water | 200.7 Rev 4.4 | 7782 |
| MB 885-7782/1-A | Method Blank | Total Recoverable | Water | 200.7 Rev 4.4 | 7782 |
| LCS 885-7782/6-A | Lab Control Sample | Total Recoverable | Water | 200.7 Rev 4.4 | 7782 |

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QC Association Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

Metals (Continued)

Analysis Batch: 8057 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-------------------|--------|---------------|------------|
| LLCS 885-7782/5-A | Lab Control Sample | Total Recoverable | Water | 200.7 Rev 4.4 | 7782 |
| MRL 885-8057/14 | Lab Control Sample | Total/NA | Water | 200.7 Rev 4.4 | |

Analysis Batch: 8085

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|--------------------|-----------|--------|--------|------------|
| 885-7077-1 | RG-North20240626 | Dissolved | Water | 200.8 | |
| 885-7077-2 | RG-South20240627 | Dissolved | Water | 200.8 | |
| MB 885-8085/19 | Method Blank | Total/NA | Water | 200.8 | |
| LCS 885-8085/20 | Lab Control Sample | Total/NA | Water | 200.8 | |
| MRL 885-8085/17 | Lab Control Sample | Total/NA | Water | 200.8 | |
| MRL 885-8085/18 | Lab Control Sample | Total/NA | Water | 200.8 | |

Analysis Batch: 8100

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-------------------|--------|----------|------------|
| 885-7077-1 | RG-North20240626 | Total Recoverable | Water | SM 2340B | |
| 885-7077-2 | RG-South20240627 | Total Recoverable | Water | SM 2340B | |

Analysis Batch: 8191

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|--------------------|-------------------|--------|---------------|------------|
| 885-7077-1 | RG-North20240626 | Total Recoverable | Water | 200.7 Rev 4.4 | 7782 |
| 885-7077-2 | RG-South20240627 | Total Recoverable | Water | 200.7 Rev 4.4 | 7782 |
| MRL 885-8191/13 | Lab Control Sample | Total/NA | Water | 200.7 Rev 4.4 | |

Prep Batch: 670850

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|-------------|------------|
| 885-7077-1 | RG-North20240626 | Total/NA | Water | 200.7/200.8 | |
| 885-7077-2 | RG-South20240627 | Total/NA | Water | 200.7/200.8 | |
| MB 160-670850/1-A | Method Blank | Total/NA | Water | 200.7/200.8 | |
| LCS 160-670850/2-A | Lab Control Sample | Total/NA | Water | 200.7/200.8 | |
| 885-7077-1 MS | RG-North20240626 | Total/NA | Water | 200.7/200.8 | |
| 885-7077-1 MSD | RG-North20240626 | Total/NA | Water | 200.7/200.8 | |
| 885-7077-2 MS | RG-South20240627 | Total/NA | Water | 200.7/200.8 | |
| 885-7077-2 MSD | RG-South20240627 | Total/NA | Water | 200.7/200.8 | |

Analysis Batch: 671639

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 885-7077-1 | RG-North20240626 | Total/NA | Water | 200.8 | 670850 |
| 885-7077-2 | RG-South20240627 | Total/NA | Water | 200.8 | 670850 |
| MB 160-670850/1-A | Method Blank | Total/NA | Water | 200.8 | 670850 |
| LCS 160-670850/2-A | Lab Control Sample | Total/NA | Water | 200.8 | 670850 |
| 885-7077-1 MS | RG-North20240626 | Total/NA | Water | 200.8 | 670850 |
| 885-7077-1 MSD | RG-North20240626 | Total/NA | Water | 200.8 | 670850 |
| 885-7077-2 MS | RG-South20240627 | Total/NA | Water | 200.8 | 670850 |
| 885-7077-2 MSD | RG-South20240627 | Total/NA | Water | 200.8 | 670850 |

General Chemistry

Analysis Batch: 7579

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 885-7077-1 | RG-North20240626 | Total/NA | Water | SM5210B | |
| 885-7077-2 | RG-South20240627 | Total/NA | Water | SM5210B | |

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QC Association Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

General Chemistry (Continued)

Analysis Batch: 7579 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------|--------------------|-----------|--------|---------|------------|
| USB 885-7579/1 | Method Blank | Total/NA | Water | SM5210B | |
| LCS 885-7579/2 | Lab Control Sample | Total/NA | Water | SM5210B | |

Analysis Batch: 7815

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------|--------------------|-----------|--------|--------|------------|
| 885-7077-1 | RG-North20240626 | Total/NA | Water | 2540C | |
| MB 885-7815/1 | Method Blank | Total/NA | Water | 2540C | |
| LCS 885-7815/2 | Lab Control Sample | Total/NA | Water | 2540C | |

Analysis Batch: 7827

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|----------|------------|
| 885-7077-1 | RG-North20240626 | Total/NA | Water | SM 2540D | |
| 885-7077-2 | RG-South20240627 | Total/NA | Water | SM 2540D | |
| MB 885-7827/1 | Method Blank | Total/NA | Water | SM 2540D | |
| LCSSRM 885-7827/2 | Lab Control Sample | Total/NA | Water | SM 2540D | |

Analysis Batch: 7881

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------|--------------------|-----------|--------|--------|------------|
| 885-7077-2 | RG-South20240627 | Total/NA | Water | 2540C | |
| MB 885-7881/1 | Method Blank | Total/NA | Water | 2540C | |
| LCS 885-7881/2 | Lab Control Sample | Total/NA | Water | 2540C | |

Analysis Batch: 7985

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|------------------------|-----------|--------|--------|------------|
| 885-7077-1 | RG-North20240626 | Total/NA | Water | 1664B | |
| 885-7077-2 | RG-South20240627 | Total/NA | Water | 1664B | |
| MB 885-7985/1 | Method Blank | Total/NA | Water | 1664B | |
| LCS 885-7985/2 | Lab Control Sample | Total/NA | Water | 1664B | |
| LCSD 885-7985/3 | Lab Control Sample Dup | Total/NA | Water | 1664B | |

Prep Batch: 8010

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 885-7077-1 | RG-North20240626 | Total/NA | Water | 351.2 | |
| 885-7077-2 | RG-South20240627 | Total/NA | Water | 351.2 | |
| MB 885-8010/3-A | Method Blank | Total/NA | Water | 351.2 | |
| LCS 885-8010/5-A | Lab Control Sample | Total/NA | Water | 351.2 | |
| LLCS 885-8010/4-A | Lab Control Sample | Total/NA | Water | 351.2 | |

Analysis Batch: 8084

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------|--------------------|-----------|--------|--------|------------|
| 885-7077-1 | RG-North20240626 | Total/NA | Water | 5220D | |
| MB 885-8084/4 | Method Blank | Total/NA | Water | 5220D | |
| LCS 885-8084/5 | Lab Control Sample | Total/NA | Water | 5220D | |
| MRL 885-8084/6 | Lab Control Sample | Total/NA | Water | 5220D | |

Analysis Batch: 8154

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------------|------------|
| 885-7077-1 | RG-North20240626 | Total/NA | Water | SM 4500 H+ B | |
| 885-7077-2 | RG-South20240627 | Total/NA | Water | SM 4500 H+ B | |
| 885-7077-2 DU | RG-South20240627 | Total/NA | Water | SM 4500 H+ B | |

Eurofins Albuquerque

QC Association Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Project/Site: CMC

Job ID: 885-7077-1

General Chemistry

Prep Batch: 8218

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|-----------------|------------|
| 885-7077-1 | RG-North20240626 | Dissolved | Water | 365.2/365.3/365 | |
| 885-7077-1 | RG-North20240626 | Total/NA | Water | 365.2/365.3/365 | |
| 885-7077-2 | RG-South20240627 | Dissolved | Water | 365.2/365.3/365 | |
| 885-7077-2 | RG-South20240627 | Total/NA | Water | 365.2/365.3/365 | |
| MB 885-8218/1-A | Method Blank | Total/NA | Water | 365.2/365.3/365 | |
| LCS 885-8218/2-A | Lab Control Sample | Total/NA | Water | 365.2/365.3/365 | |
| MRL 885-8218/7-A | Lab Control Sample | Total/NA | Water | 365.2/365.3/365 | |

Analysis Batch: 8500

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| 885-7077-1 | RG-North20240626 | Dissolved | Water | 365.1 | 8218 |
| 885-7077-1 | RG-North20240626 | Total/NA | Water | 365.1 | 8218 |
| 885-7077-2 | RG-South20240627 | Dissolved | Water | 365.1 | 8218 |
| 885-7077-2 | RG-South20240627 | Total/NA | Water | 365.1 | 8218 |
| MB 885-8218/1-A | Method Blank | Total/NA | Water | 365.1 | 8218 |
| LCS 885-8218/2-A | Lab Control Sample | Total/NA | Water | 365.1 | 8218 |
| MRL 885-8218/7-A | Lab Control Sample | Total/NA | Water | 365.1 | 8218 |

Analysis Batch: 8585

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 885-7077-1 | RG-North20240626 | Total/NA | Water | 351.2 | 8010 |
| 885-7077-2 | RG-South20240627 | Total/NA | Water | 351.2 | 8010 |
| MB 885-8010/3-A | Method Blank | Total/NA | Water | 351.2 | 8010 |
| LCS 885-8010/5-A | Lab Control Sample | Total/NA | Water | 351.2 | 8010 |
| LLCS 885-8010/4-A | Lab Control Sample | Total/NA | Water | 351.2 | 8010 |

Analysis Batch: 9076

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------|--------------------|-----------|--------|--------|------------|
| 885-7077-2 | RG-South20240627 | Total/NA | Water | 5220D | |
| MB 885-9076/4 | Method Blank | Total/NA | Water | 5220D | |
| LCS 885-9076/5 | Lab Control Sample | Total/NA | Water | 5220D | |
| MRL 885-9076/6 | Lab Control Sample | Total/NA | Water | 5220D | |

Rad

Prep Batch: 669229

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--------------------|-----------|--------|-------------|------------|
| 885-7077-1 | RG-North20240626 | Total/NA | Water | Evaporation | |
| 885-7077-2 | RG-South20240627 | Total/NA | Water | Evaporation | |
| MB 160-669229/1-A | Method Blank | Total/NA | Water | Evaporation | |
| LCS 160-669229/2-A | Lab Control Sample | Total/NA | Water | Evaporation | |
| LCSB 160-669229/3-A | Lab Control Sample | Total/NA | Water | Evaporation | |
| 885-7077-2 MS | RG-South20240627 | Total/NA | Water | Evaporation | |
| 885-7077-2 MSBT | RG-South20240627 | Total/NA | Water | Evaporation | |
| 885-7077-2 DU | RG-South20240627 | Total/NA | Water | Evaporation | |

Biology

Analysis Batch: 7536

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 885-7077-2 | RG-South20240627 | Total/NA | Water | 9223B | |
| MB 885-7536/1 | Method Blank | Total/NA | Water | 9223B | |

Eurofins Albuquerque

Lab Chronicle

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

Client Sample ID: RG-North20240626

Lab Sample ID: 885-7077-1

Date Collected: 06/26/24 15:05

Matrix: Water

Date Received: 06/27/24 14:37

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab | Prepared or Analyzed |
|-------------------|------------|-----------------|-----|-----------------|--------------|---------------|---------|----------------------|
| Total/NA | Analysis | 624.1 | | 1 | 169234 | NA | EET HOU | 07/03/24 02:47 |
| Total/NA | Prep | 3511 | | | 169191 | DR | EET HOU | 07/02/24 12:40 |
| Total/NA | Analysis | 625.1 | | 1 | 169359 | PXS | EET HOU | 07/03/24 19:01 |
| Total/NA | Prep | 3511 | | | 169312 | DS | EET HOU | 07/02/24 22:42 |
| Total/NA | Analysis | 608.3 | | 1 | 169369 | WP | EET HOU | 07/03/24 14:47 |
| Total/NA | Prep | 3511 | | | 169818 | DS | EET HOU | 07/05/24 21:47 |
| Total/NA | Analysis | 608.3 | | 1 | 170091 | WP | EET HOU | 07/14/24 13:40 |
| Total/NA | Prep | 3510C | | | 169461 | BH | EET HOU | 07/03/24 13:50 |
| Total/NA | Analysis | 8081B_LL | | 1 | 169649 | WP | EET HOU | 07/05/24 11:41 |
| Total/NA | Analysis | 300.0 | | 1 | 7687 | JT | EET ALB | 06/28/24 11:40 |
| Total/NA | Prep | 1633 | | | 779486 | ATB | EET SAC | 07/15/24 11:26 |
| Total/NA | Analysis | Draft-4 1633 | | 1 | 780306 | SS | EET SAC | 07/16/24 19:22 |
| Total/NA | Prep | 1633 | RA | | 779486 | ATB | EET SAC | 07/15/24 11:26 |
| Total/NA | Analysis | Draft-4 1633 | RA | 1 | 780601 | SS | EET SAC | 07/17/24 15:03 |
| Total/NA | Prep | HRMS-Sep | | | 777390 | BLR | EET SAC | 07/08/24 12:40 |
| Total/NA | Analysis | 1668A | | 1 | 778376 | KT | EET SAC | 07/12/24 04:49 |
| Total Recoverable | Prep | 200.2 | | | 7782 | TM | EET ALB | 07/02/24 13:43 |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 8057 | JR | EET ALB | 07/08/24 12:07 |
| Total Recoverable | Prep | 200.2 | | | 7782 | TM | EET ALB | 07/02/24 13:43 |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 8191 | JR | EET ALB | 07/10/24 15:01 |
| Dissolved | Analysis | 200.8 | | 1 | 8085 | ES | EET ALB | 07/09/24 10:31 |
| Total/NA | Prep | 200.7/200.8 | | | 670850 | JSM | EET SL | 07/16/24 15:34 |
| Total/NA | Analysis | 200.8 | | 2 | 671639 | CGB | EET SL | 07/19/24 14:39 |
| Total Recoverable | Analysis | SM 2340B | | 1 | 8100 | JF | EET ALB | 07/09/24 15:25 |
| Total/NA | Analysis | 1664B | | 1 | 7985 | CO | EET ALB | 07/08/24 09:19 |
| Total/NA | Analysis | 2540C | | 1 | 7815 | KB | EET ALB | 07/02/24 14:21 |
| Total/NA | Prep | 351.2 | | | 8010 | DL | EET ALB | 07/08/24 11:40 |
| Total/NA | Analysis | 351.2 | | 1 | 8585 | DL | EET ALB | 07/09/24 13:01 |
| Dissolved | Prep | 365.2/365.3/365 | | | 8218 | ES | EET ALB | 07/11/24 08:30 |
| Dissolved | Analysis | 365.1 | | 1 | 8500 | ES | EET ALB | 07/16/24 09:32 |
| Total/NA | Prep | 365.2/365.3/365 | | | 8218 | ES | EET ALB | 07/11/24 08:30 |
| Total/NA | Analysis | 365.1 | | 1 | 8500 | ES | EET ALB | 07/16/24 09:30 |
| Total/NA | Analysis | 5220D | | 1 | 8084 | KH | EET ALB | 07/09/24 14:14 |
| Total/NA | Analysis | SM 2540D | | 1 | 7827 | KS | EET ALB | 07/02/24 16:35 |
| Total/NA | Analysis | SM 4500 H+ B | | 1 | 8154 | DL | EET ALB | 07/09/24 22:21 |
| Total/NA | Analysis | SM5210B | | 1 | 7579 | CO | EET ALB | 06/28/24 11:05 |
| Total/NA | Prep | Evaporation | | | 669229 | KAC | EET SL | 07/03/24 08:58 |
| Total/NA | Analysis | 900.0 | | 1 | 671146 | CMM | EET SL | 07/18/24 17:21 |
| Total/NA | Analysis | Gross Alpha Adj | | 1 | 671821 | FLC | EET SL | 07/19/24 14:39 |

Lab Chronicle

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

Client Sample ID: RG-South20240627

Lab Sample ID: 885-7077-2

Date Collected: 06/27/24 13:10

Matrix: Water

Date Received: 06/27/24 14:37

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab | Prepared or Analyzed |
|-------------------|------------|-----------------|-----|-----------------|--------------|---------------|---------|----------------------|
| Total/NA | Analysis | 624.1 | | 1 | 169234 | NA | EET HOU | 07/03/24 03:08 |
| Total/NA | Prep | 3511 | | | 169191 | DR | EET HOU | 07/02/24 12:40 |
| Total/NA | Analysis | 625.1 | | 1 | 169694 | EM | EET HOU | 07/05/24 15:46 |
| Total/NA | Prep | 3511 | | | 169312 | DS | EET HOU | 07/02/24 22:42 |
| Total/NA | Analysis | 608.3 | | 1 | 169369 | WP | EET HOU | 07/03/24 14:58 |
| Total/NA | Prep | 3511 | | | 169818 | DS | EET HOU | 07/05/24 21:47 |
| Total/NA | Analysis | 608.3 | | 1 | 170091 | WP | EET HOU | 07/14/24 13:51 |
| Total/NA | Prep | 3510C | | | 169461 | BH | EET HOU | 07/03/24 13:50 |
| Total/NA | Analysis | 8081B_LL | | 1 | 169649 | WP | EET HOU | 07/05/24 12:10 |
| Total/NA | Analysis | 300.0 | | 1 | 7687 | JT | EET ALB | 06/28/24 12:29 |
| Total/NA | Prep | 1633 | | | 779486 | ATB | EET SAC | 07/15/24 11:26 |
| Total/NA | Analysis | Draft-4 1633 | | 1 | 780306 | SS | EET SAC | 07/16/24 19:39 |
| Total/NA | Prep | 1633 | RA | | 779486 | ATB | EET SAC | 07/15/24 11:26 |
| Total/NA | Analysis | Draft-4 1633 | RA | 1 | 780601 | SS | EET SAC | 07/17/24 15:21 |
| Total/NA | Prep | HRMS-Sep | | | 777390 | BLR | EET SAC | 07/08/24 12:40 |
| Total/NA | Analysis | 1668A | | 1 | 778376 | KT | EET SAC | 07/12/24 05:52 |
| Total Recoverable | Prep | 200.2 | | | 7782 | TM | EET ALB | 07/02/24 13:43 |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 8057 | JR | EET ALB | 07/08/24 12:11 |
| Total Recoverable | Prep | 200.2 | | | 7782 | TM | EET ALB | 07/02/24 13:43 |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 8191 | JR | EET ALB | 07/10/24 15:03 |
| Dissolved | Analysis | 200.8 | | 1 | 8085 | ES | EET ALB | 07/09/24 10:34 |
| Total/NA | Prep | 200.7/200.8 | | | 670850 | JSM | EET SL | 07/16/24 15:34 |
| Total/NA | Analysis | 200.8 | | 2 | 671639 | CGB | EET SL | 07/19/24 15:03 |
| Total Recoverable | Analysis | SM 2340B | | 1 | 8100 | JF | EET ALB | 07/09/24 15:25 |
| Total/NA | Analysis | 1664B | | 1 | 7985 | CO | EET ALB | 07/08/24 09:19 |
| Total/NA | Analysis | 2540C | | 1 | 7881 | KS | EET ALB | 07/03/24 12:52 |
| Total/NA | Prep | 351.2 | | | 8010 | DL | EET ALB | 07/08/24 11:40 |
| Total/NA | Analysis | 351.2 | | 1 | 8585 | DL | EET ALB | 07/09/24 13:02 |
| Dissolved | Prep | 365.2/365.3/365 | | | 8218 | ES | EET ALB | 07/11/24 08:30 |
| Dissolved | Analysis | 365.1 | | 1 | 8500 | ES | EET ALB | 07/16/24 09:36 |
| Total/NA | Prep | 365.2/365.3/365 | | | 8218 | ES | EET ALB | 07/11/24 08:30 |
| Total/NA | Analysis | 365.1 | | 1 | 8500 | ES | EET ALB | 07/16/24 09:34 |
| Total/NA | Analysis | 5220D | | 1 | 9076 | KH | EET ALB | 07/23/24 14:19 |
| Total/NA | Analysis | SM 2540D | | 1 | 7827 | KS | EET ALB | 07/02/24 16:35 |
| Total/NA | Analysis | SM 4500 H+ B | | 1 | 8154 | DL | EET ALB | 07/09/24 22:10 |
| Total/NA | Analysis | SM5210B | | 1 | 7579 | CO | EET ALB | 06/28/24 11:05 |
| Total/NA | Prep | Evaporation | | | 669229 | KAC | EET SL | 07/03/24 08:58 |
| Total/NA | Analysis | 900.0 | | 1 | 671146 | CMM | EET SL | 07/18/24 17:21 |
| Total/NA | Analysis | Gross Alpha Adj | | 1 | 671821 | FLC | EET SL | 07/19/24 15:03 |
| Total/NA | Analysis | 9223B | | 1 | 7536 | SS | EET ALB | 06/27/24 17:12 |

Lab Chronicle

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Project/Site: CMC

Job ID: 885-7077-1

Client Sample ID: EB-20240627

Lab Sample ID: 885-7077-3

Date Collected: 06/27/24 11:50

Matrix: Water

Date Received: 06/27/24 14:37

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------------|---------|----------------------|
| Total/NA | Prep | 1633 | | | 779486 | ATB | EET SAC | 07/15/24 11:26 |
| Total/NA | Analysis | Draft-4 1633 | | 1 | 780306 | SS | EET SAC | 07/16/24 19:57 |
| Total/NA | Prep | 1633 | RA | | 779486 | ATB | EET SAC | 07/15/24 11:26 |
| Total/NA | Analysis | Draft-4 1633 | RA | 1 | 780601 | SS | EET SAC | 07/17/24 15:38 |

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: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

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 |
| <p>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.</p> | | | |
| 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 | 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 | 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 | 03-31-25 |
| 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 | 01-29-25 |
| Nevada | State | CA00044 | 07-31-25 |
| 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: Albuquerque Metropolitan Arroyo Flood Control Authority
 Project/Site: CMC

Job ID: 885-7077-1

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 | 08-31-25 |
| 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 | 05-06-25 |
| 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 | 07-28-24 |
| California | Los Angeles County Sanitation Districts | 10259 | 06-30-22 * |
| California | State | 2886 | 06-30-24 * |
| Connecticut | State | PH-0241 | 03-31-25 |
| Florida | NELAP | E87689 | 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 | 09-30-24 |
| Massachusetts | State | M-MO054 | 06-30-25 |
| MI - RadChem Recognition | State | 9005 | 06-30-24 * |
| Missouri | State | 780 | 06-30-25 |
| Nevada | State | MO00054 | 07-31-24 |
| 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 | 07-31-24 |
| 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 | 07-31-24 |
| US Fish & Wildlife | US Federal Programs | 058448 | 07-31-24 |
| USDA | US Federal Programs | P330-17-00028 | 05-18-26 |
| Utah | NELAP | MO00054 | 07-31-24 |
| Virginia | NELAP | 460230 | 06-14-25 |
| Washington | State | C592 | 08-30-24 |

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Project/Site: CMC

Job ID: 885-7077-1

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 |
|-------------------|---------|-----------------------|-----------------|
| West Virginia DEP | State | 381 | 10-31-24 |

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ANALYTICAL REPORT

July 09, 2024

- 1
- 2 Cp
- 3 Tc
- 4 Ss
- 5 Cn
- 6 Sr
- 7 Qc
- 8 Gl
- 9 Al
- 10 Sc
- 11
- 12
- 13
- 14

Eurofins - Albuquerque, NM

Sample Delivery Group: L1752635
 Samples Received: 07/02/2024
 Project Number:
 Description:

Report To: Erin Munoz
 4901 Hawkins NE
 Albuquerque, NM 87109

Entire Report Reviewed By:

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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SAMPLE SUMMARY

| | | | | Collected by | Collected date/time | Received date/time | | |
|--|-----------|----------|-----------------------|--------------------|---------------------|--------------------|--|--|
| RG-NORTH20240626 (885-7077-1) L1752635-01 GW | | | | | 06/26/24 15:05 | 07/02/24 09:00 | | |
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location | | |
| Wet Chemistry by Method 7199 | WG2315989 | 1 | 07/09/24 03:03 | 07/09/24 03:03 | SET | Mt. Juliet, TN | | |
| | | | | Collected by | Collected date/time | Received date/time | | |
| RG-SOUTH20240627 (885-7077-2) L1752635-02 GW | | | | | 06/27/24 13:10 | 07/02/24 09:00 | | |
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location | | |
| Wet Chemistry by Method 7199 | WG2315989 | 1 | 07/09/24 03:14 | 07/09/24 03:14 | SET | Mt. Juliet, TN | | |



CASE NARRATIVE

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.



Jordan N Zito
Project Manager

Sample Delivery Group (SDG) Narrative

The following analysis were performed from an unpreserved, insufficiently or inadequately preserved sample.

| <u>Lab Sample ID</u> | <u>Project Sample ID</u> | <u>Method</u> |
|-----------------------------|---|---------------|
| L1752635-01 | RG-NORTH20240626 (885-7077-1) | 7199 |
| L1752635-02 | RG-SOUTH20240627 (885-7077-2) | 7199 |



Wet Chemistry by Method 7199

| Analyte | Result mg/l | Qualifier | RDL mg/l | Dilution | Analysis date / time | Batch |
|-------------------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Hexavalent Chromium-Low Level | ND | | 0.000100 | 1 | 07/09/2024 03:03 | WG2315989 |

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Wet Chemistry by Method 7199

| Analyte | Result mg/l | Qualifier | RDL mg/l | Dilution | Analysis date / time | Batch |
|-------------------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Hexavalent Chromium-Low Level | ND | | 0.000100 | 1 | 07/09/2024 03:14 | WG2315989 |

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Method Blank (MB)

(MB) R4091510-1 07/09/24 02:36

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|-------------------------------|-----------|--------------|-----------|----------|
| Hexavalent Chromium-Low Level | U | | 0.0000400 | 0.000100 |

L1753184-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1753184-04 07/09/24 04:19 • (DUP) R4091510-5 07/09/24 04:52

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|-------------------------------|-----------------|------------|----------|---------|---------------|----------------|
| Hexavalent Chromium-Low Level | 0.000379 | 0.000392 | 1 | 3.48 | | 20 |

L1753184-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1753184-16 07/09/24 07:35 • (DUP) R4091510-8 07/09/24 07:46

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|-------------------------------|-----------------|------------|----------|---------|---------------|----------------|
| Hexavalent Chromium-Low Level | ND | ND | 1 | 0.000 | | 20 |

Laboratory Control Sample (LCS)

(LCS) R4091510-2 07/09/24 02:47

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|-------------------------------|--------------|------------|----------|-------------|---------------|
| Hexavalent Chromium-Low Level | 0.00200 | 0.00206 | 103 | 90.0-110 | |

L1753184-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1753184-01 07/09/24 03:25 • (MS) R4091510-3 07/09/24 03:36 • (MSD) R4091510-4 07/09/24 03:47

| Analyte | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD | RPD Limits |
|-------------------------------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|-------|------------|
| Hexavalent Chromium-Low Level | 0.00100 | 0.000107 | 0.00108 | 0.00107 | 96.9 | 95.9 | 1 | 90.0-110 | | | 0.868 | 20 |



L1753184-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1753184-14 07/09/24 06:30 • (MS) R4091510-6 07/09/24 07:03 • (MSD) R4091510-7 07/09/24 07:14

| 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-Low Level | 0.00100 | ND | 0.000978 | 0.000944 | 97.8 | 94.4 | 1 | 90.0-110 | | | 3.47 | 20 |

- 1
- 2 Cp
- 3 Tc
- 4 Ss
- 5
- 6 Cn
- 7 Sr
- 8 Qc
- 9 Gl
- 10 Al
- 11 Sc
- 12
- 13
- 14

GLOSSARY OF TERMS

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.

ACCREDITATIONS & LOCATIONS

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 | LA000356 |
| 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



G233

Environment Testing

| Client Information (Sub Contract Lab) | | Sampler: | | Lab PM: Munoz, Erin | | Carrier Tracking No(s): | | COC No: 885-1125.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------------------------|--|--|---|-----------------------------|---|--|---|--|--|--|----------------------------|---------------------|--|---------------------------------|----------------------------|--|------------------------------|--|----------------------------|--|----------------------------|---------------------|-----------------------------------|----------------------------|--|--|--|--|--------------|--|--|--|--|--|--|--|--|--|------------|--|--|--|--|--|--|--|--|--|----------|--|--|--|--|--|--|--|--|--|
| Client Contact: Shipping/Receiving | | Phone: | | E-Mail: Erin.Munoz@et.eurofinsus.com | | State of Origin: New Mexico | | Page: Page 1 of 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Company: Pace Analytical Services LLC | | Address: 12065 Lebanon Road, City: Mount Juliet State, Zip: TN, 37122 Phone: Email: | | Due Date Requested: 7/22/2024 TAT Requested (days): | | Accreditations Required (See note): NELAP - Oregon | | Job #: 885-7077-1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: CMC | | Project #: 88500567 | | SSOW#: | | <table border="1"> <thead> <tr> <th colspan="12">Analysis Requested</th> <th rowspan="2">Total Number of containers</th> <th rowspan="2">Preservation Codes:</th> </tr> <tr> <th>Field Filtered Sample (Yes or No)</th> <th>Perform MS/MSD (Yes or No)</th> <th>SUB (Hexavalent Chromium/ Hexavalent Chromium)</th> <th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th> </tr> </thead> <tbody> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </tbody> </table> | | | | Analysis Requested | | | | | | | | | | | | Total Number of containers | Preservation Codes: | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | SUB (Hexavalent Chromium/ Hexavalent Chromium) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Analysis Requested | | | | | | | | | | | | Total Number of containers | Preservation Codes: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | SUB (Hexavalent Chromium/ Hexavalent Chromium) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Identification - Client ID (Lab ID) | | Sample Date | | Sample Time | | Sample Type (C=Comp, G=grab) | | Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air) | | Field Filtered Sample (Yes or No) | | Perform MS/MSD (Yes or No) | | SUB (Hexavalent Chromium/ Hexavalent Chromium) | | Total Number of containers | | Special Instructions/Note: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RG-North20240626 (885-7077-1) | | 6/26/24 | | 15:05 Mountain | | | | Water | | | | X | | | | 1 | | See Attached Instructions 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RG-South20240627 (885-7077-2) | | 6/27/24 | | 13:10 Mountain | | | | Water | | | | X | | | | 1 | | See Attached Instructions 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>AB07/07/2024</p> <p>DPA 7-27-2.3-2.6 7771 6011 6559</p> <p>Sample Receipt Checklist</p> <p>Seal Present Intact: X Y N If Applicable</p> <p>Signed/Accurate: X Y N VCA Zero Headspaces: X Y N</p> <p>Bottles arrive intact: X Y N</p> <p>Correct bottles used: X Y N</p> <p>Subsident volume sent: X Y N</p> <p>RA Screen <math>\leq 0.5 \mu\text{m/hr}</math>: X Y N</p> <p>Containers: 2</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>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.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Possible Hazard Identification | | | | | | | | | | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Unconfirmed | | | | | | | | | | <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> 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: <i>[Signature]</i> | | | | | Date/Time: 7/1/24 1350 | | | | | Company: | | | | | Received by: <i>[Signature]</i> | | | | | Date/Time: 07/02/2024 0900 | | | | | Company: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: | | | | | | | | | | Date/Time: | | | | | | | | | | Company: | | | | | | | | | | Received by: | | | | | | | | | | Date/Time: | | | | | | | | | | Company: | | | | | | | | | |
| Relinquished by: | | | | | | | | | | Date/Time: | | | | | | | | | | Company: | | | | | | | | | | Received by: | | | | | | | | | | Date/Time: | | | | | | | | | | Company: | | | | | | | | | |
| Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | Custody Seal No.: | | | | | Cooler Temperature(s) °C and Other Remarks: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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

ICOC No:
885-1125

Containers

| <u>Count</u> | <u>Container Type</u> | <u>Preservative</u> |
|--------------|------------------------------------|---------------------|
| 2 | Other Client Container - preserved | None |

U1752635

Subcontract Method Instructions

| Sample IDs | Method | Method Description | Method Comments |
|------------|-------------|---|-----------------|
| 1, 2 | SUBCONTRACT | SUB (Hexavalent Chromium)/ Hexavalent Chromium | CR6 |

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

FROM: (505) 345-3975
SAMPLE RECEIVING
PACE ANALYTICAL
12065 Lebanon Road
MOUNT JULIET TN 37122
US

CAD: 1717027/INET4730

TO Dez
Hall Environmental
4901 Hawkins NE

Albuquerque NM 87109
(505) 345-3975

(US)

5883.63/26149/AE3

REF

INV PO DEPT

RMA:



FedEx Ground



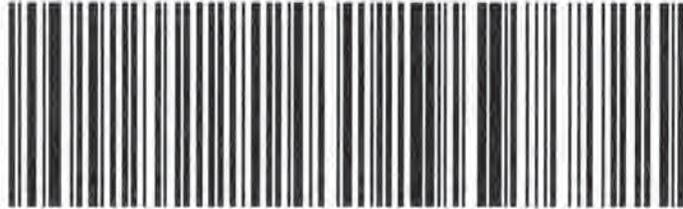
4242024032801uv

TRK# 7771 6011 7007

RETURN

87109

9622 0137 0 (000 000 0000) 0 00 7771 6011 7007



1. Select the 'Print' button to print 1 copy of each label.
2. The Return Shipment instructions, which provide your recipient with information on the returns process, will be printed with the label(s).
3. After printing, select your next step by clicking one of the displayed buttons.

Note: To review or print individual labels, select the Label button under each label image above.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

U1752635

Return Shipment Instructions

61752635



Return Shipment Instructions

1. Place the shipping label on the container's most visible side away from seams.

2. Ship your package one of three ways:

- Use your regular scheduled pickup.
- Drop off at FedEx. Find your closest location at fedex.com/locate or by calling 1.800.GoFedEx 1.800.463.3339
- Schedule a pickup. No account number required but label information may be needed. Go to fedex.com/returnpickup for FedEx Ground labels with "G" or "PRP" or call 1.800.GoFedEx 1.800.463.3339 and say:
 - o "Return Manager" or "PRP" for FedEx Ground labels with "G" or "PRP"
 - o "Express Return" for FedEx Express labels with "E" or "Billable Stamp"

Prepare Your Package With Care.

- Use an appropriate container, cushioning materials and at least three strips of packing tape.
- If reusing packaging, remove or black out old shipping labels including their barcode(s)

Special Instructions from the merchant:

Chain-of-Custody Record

Client: AMA FCA

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

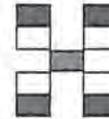
Project #:

Project Manager: Patrick Chavez

Sampler: 1 times
 On Ice: Yes No

of Coolers: 2
 Cooler Temp (including CF): 10.3 + 0.1 = 10.4 (°C)

Container Type and # 1.8 + 0.1 = 1.9
 Preservative Type _____
 HEAL No. _____



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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



885-7077 COC

Analysis Request

| 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) |
|----------------------------|----------------------------|----------------------------|--------------------|--------------------------|---------------|--|------------|-----------------|---------------------------------|
| | | | | | | | | | <u>See attached list</u> |

Page 887 of 976

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. |
|----------------|-------------|-----------|--------------------------|----------------------|-------------------|----------|
| <u>6/26/24</u> | <u>1505</u> | <u>AQ</u> | <u>RG-NORTH 20240626</u> | <u>2L</u> | <u>Various</u> | <u>1</u> |
| <u>6/27/24</u> | <u>1310</u> | <u> </u> | <u>RG-SOUTH 20240627</u> | <u>2L</u> | <u>Various</u> | <u>2</u> |
| <u>6/27/24</u> | <u>1150</u> | <u> </u> | <u>EB-20240627</u> | <u>2 bottles</u> | <u>Various</u> | <u>3</u> |

Date: 6/27/24 Time: 1437 Relinquished by: [Signature]
 Received by: [Signature] Via: _____ Date: 6/27/24 Time: 14:37

Remarks: SEE attached list.

6/27/2024



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

| | | | | |
|--|-----------------------|-----------|------------------|-----------|
| 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 | Enumeration | | 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 | |

PFAS

\\ss6atq\Dat3S\Projects\NM15.0156_SS\CAFCA_Stormwater\Docs\Stormwater Sampling\2024_Parameter list_CMC.doc
3/11/2024

Appendix F - Minimum Quantification Levels (MQL's)

The following Minimum Quantification Levels (MQL's) are to be used for reporting pollutant data for NPDES permit applications and/or compliance reporting.

| POLLUTANTS | MQL µg/l | POLLUTANTS | MQL µg/l |
|--|-------------|--------------------------------|-------------|
| METALS, RADIOACTIVITY, CYANIDE and CHLORINE | | | |
| Aluminum | 2.5 | Molybdenum | 10 |
| Antimony | 60 | Nickel | 0.5 |
| Arsenic | 0.5 | Selenium | 5 |
| Barium | 100 | Silver | 0.5 |
| Beryllium | 0.5 | Thallium | 0.5 |
| Boron | 100 | Uranium | 0.1 |
| Cadmium | 1 | Vanadium | 50 |
| Chromium | 10 | Zinc | 20 |
| Cobalt | 50 | Cyanide | 10 |
| Copper | 0.5 | Cyanide, weak acid dissociable | 10 |
| Lead | 0.5 | Total Residual Chlorine | 33 |
| Mercury (*) | 0.0005 | | |
| | 0.005 | | |
| DIOXIN | | | |
| 2,3,7,8-TCDD | 0.00001 | | |
| VOLATILE COMPOUNDS | | | |
| Acrolein | 50 | 1,3-Dichloropropylene | 10 |
| Acrylonitrile | 20 | Ethylbenzene | 10 |
| Benzene | 10 | Methyl Bromide | 50 |
| Bromoform | 10 | Methylene Chloride | 20 |
| Carbon Tetrachloride | 2 | 1,1,2,2-Tetrachloroethane | 10 |
| Chlorobenzene | 10 | Tetrachloroethylene | 10 |
| Chlorodibromomethane | 10 | Toluene | 10 |
| Chloroform | 50 | 1,2-trans-Dichloroethylene | 10 |
| Dichlorobromomethane | 10 | 1,1,2-Trichloroethane | 10 |
| 1,2-Dichloroethane | 10 | Trichloroethylene | 10 |
| 1,1-Dichloroethylene | 10 | Vinyl Chloride | 10 |
| 1,2-Dichloropropane | 10 | | |
| ACID COMPOUNDS | | | |
| 2-Chlorophenol | 10 | 2,4-Dinitrophenol | 50 |
| 2,4-Dichlorophenol | 10 | Pentachlorophenol | 5 |
| 2,4-Dimethylphenol | 10 | Phenol | 10 |
| 4,6-Dinitro-o-Cresol | 50 | 2,4,6-Trichlorophenol | 10 |

| POLLUTANTS | MQL µg/l | POLLUTANTS | MQL µg/l |
|-----------------------------|-------------|---------------------------|-------------|
| BASE/NEUTRAL | | | |
| Acenaphthene | 10 | Dimethyl Phthalate | 10 |
| Anthracene | 10 | Di-n-Butyl Phthalate | 10 |
| Benzidine | 50 | 2,4-Dinitrotoluene | 10 |
| Benzo(a)anthracene | 5 | 1,2-Diphenylhydrazine | 20 |
| Benzo(a)pyrene | 5 | Fluoranthene | 10 |
| 3,4-Benzofluoranthene | 10 | Fluorene | 10 |
| Benzo(k)fluoranthene | 5 | Hexachlorobenzene | 5 |
| Bis(2-chloroethyl)Ether | 10 | Hexachlorobutadiene | 10 |
| Bis(2-chloroisopropyl)Ether | 10 | Hexachlorocyclopentadiene | 10 |
| Bis(2-ethylhexyl)Phthalate | 10 | Hexachloroethane | 20 |
| Butyl Benzyl Phthalate | 10 | Indeno(1,2,3-cd)Pyrene | 5 |
| 2-Chloronaphthalene | 10 | Isophorone | 10 |
| Chrysene | 5 | Nitrobenzene | 10 |
| Dibenzo(a,h)anthracene | 5 | n-Nitrosodimethylamine | 50 |
| 1,2-Dichlorobenzene | 10 | n-Nitrosodi-n-Propylamine | 20 |
| 1,3-Dichlorobenzene | 10 | n-Nitrosodiphenylamine | 20 |
| 1,4-Dichlorobenzene | 10 | Pyrene | 10 |
| 3,3'-Dichlorobenzidine | 5 | 1,2,4-Trichlorobenzene | 10 |
| Diethyl Phthalate | 10 | | |
| PESTICIDES AND PCBS | | | |
| Aldrin | 0.01 | Beta-Endosulfan | 0.02 |
| Alpha-BHC | 0.05 | Endosulfan sulfate | 0.02 |
| Beta-BHC | 0.05 | Endrin | 0.02 |
| Gamma-BHC | 0.05 | Endrin Aldehyde | 0.1 |
| Chlordane | 0.2 | Heptachlor | 0.01 |
| 4,4'-DDT and derivatives | 0.02 | Heptachlor Epoxide | 0.01 |
| Dieldrin | 0.02 | PCBs ** | 0.2 |
| Alpha-Endosulfan | 0.01 | Toxaphene | 0.3 |

(MQL's Revised November 1, 2007)

- (*) Default MQL for Mercury is 0.005 unless Part I of your permit requires the more sensitive Method 1631 (Oxidation / Purge and Trap / Cold vapor Atomic Fluorescence Spectrometry), then the MQL shall be 0.0005.
- (**) EPA Method 1668 should be utilized when PCB water column monitoring is conducted to determine compliance with permit requirements. Either the Arochlor test (EPA Method 8082) or USGS test method (8093) may be utilized for purposes of sediment sampling as part of a screening program, but must use EPA Method 1668 (latest revision) for confirmation and determination of specific PCB levels at that location.

Eurofins Albuquerque

4901 Hawkins NE
 Albuquerque NM 87109
 Phone: 505-345-3975 Fax: 505-345-4107

Chain of Custody Record



| | | | | | | | | | | | | | | |
|--|----------------------------|------------------------------------|--|---|----------------------|-----------------------------------|----------------------------|------------------------------------|----------------------------------|----------------------------|--|--|--|--|
| Client Information (Sub Contract Lab) | | Sampler: | Lab PM: | Carrier Tracking No(s): | COC No: | | | | | | | | | |
| Client Contact: Shipping/Receiving | | Phone: | Munoz, Erin | | 885-1126.1 | | | | | | | | | |
| Company: Eurofins Environment Testing Northern Ca | | | E-Mail: Erin.Munoz@et.eurofinsus.com | State of Origin: New Mexico | Page: Page 1 of 1 | | | | | | | | | |
| Address: 880 Riverside Parkway | | Due Date Requested: 7/25/2024 | Accreditations Required (See note): NELAP Oregon | | Job #: 885-7077 1 | | | | | | | | | |
| City: West Sacramento | | TAT Requested (days): | Analysis Requested | | | | | | | | | | | |
| State, Zip: CA, 95605 | | PO #: | | | | | | | | | | | | |
| Phone: 916-373-5600(Tel) 916-372-1059(Fax) | | WO #: | <table border="1"> <tr> <td>Field Filtered Sample (Yes or No)</td> <td>Perform MS/MSD (Yes or No)</td> <td>1633/1633_SPE EPA 1633 Method List</td> <td>1668A/HRMS_Sep_P Full List (209)</td> <td rowspan="2">Total Number of Containers</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table> | | | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | 1633/1633_SPE EPA 1633 Method List | 1668A/HRMS_Sep_P Full List (209) | Total Number of Containers | | | | |
| Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | 1633/1633_SPE EPA 1633 Method List | | | | 1668A/HRMS_Sep_P Full List (209) | Total Number of Containers | | | | | | | |
| | | | | | | | | | | | | | | |
| Email: | | Project #: 88500567 | Other: | | | | | | | | | | | |
| Project Name: CMC | | SSOW#: | | | | | | | | | | | | |
| Site: | | | Special Instructions/Note | | | | | | | | | | | |
| Sample Identification Client ID (Lab ID) | | Sample Date | | | | | | | | | | | | |
| | | Sample Time | Sample Type (C=Comp, G=grab) | Matrix (W=water, S=soil, O=waste/oil, BT=Tissue, A=Air) | | | | | | | | | | |
| | | | Preservation Code: | | | | | | | | | | | |
| RG-North20240626 (885-7077 1) | 6/26/24 | 15:05 Mountain | | Water | X X 4 J and MDL | | | | | | | | | |
| RG-South20240627 (885-7077-2) | 6/27/24 | 13:10 Mountain | | Water | X X 4 J and MDL | | | | | | | | | |
| EB-20240627 (885-7077-3) | 6/27/24 | 11:50 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 | <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months |
| Deliverable Requested: I II III IV Other (specify) | Special Instructions/QC Requirements. |
| Primary Deliverable Rank: 2 | |

| | | | |
|---|-------------------------------------|--|---------------------------------|
| Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: |
| Relinquished by: <i>[Signature]</i> | Date/Time: 7/1/24 14:05 | Company: | Received by: <i>[Signature]</i> |
| Relinquished by: | Date/Time: | Company: | Received by: |
| Relinquished by: | Date/Time: | Company: | Received by: |
| Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Custody Seal No. <i>[Signature]</i> | Cooler Temperature(s) °C and Other Remarks: 3.40 | |

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7/31/2024





Environment Testing

Sacramento Sample Receiving Notes (SSRN)

Tracking # 777160373090

Job _____



885-7077 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 E11 Corr Factor (+/-) _____ °C

Ice _____ Wet _____ Gel 1 Other _____

Cooler Custody Seal: Seal

Cooler ID: _____

Temp Observed 3.4 °C Corrected 3.4 °C
From Temp Blank Sample

| Opening/Processing The Shipment | Yes | No | NA |
|------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Cooler compromised/tampered with? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Cooler Temperature is acceptable? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Frozen samples show signs of thaw? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Initials: [Signature] Date: 7.2.24

| Unpacking/Labeling The Samples | Yes | No | NA |
|--|-------------------------------------|-------------------------------------|-------------------------------------|
| Containers are not broken or leaking? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Samples compromised/tampered with? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| COC is complete w/o discrepancies | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sample custody seal? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Sample containers have legible labels? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sample date/times are provided? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Appropriate containers are used? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sample bottles are completely filled? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sample preservatives verified? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Is the Field Sampler's name on COC? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Samples w/o discrepancies? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Zero headspace?* | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Alkalinity has no headspace? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Perchlorate has headspace? (Methods 314, 337, 6850) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Multiphasic samples are not present? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: [Signature] Date: 7.2.24

Notes _____

Trizma Lot #(s) 0000279288

Ammonium

Acetate Lot #(s) _____

| Login Completion | Yes | No | NA |
|------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| Receipt Temperature on COC? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| NCM Filed? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Samples received within hold time? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Log Release checked in TALS? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Initials: [Signature] Date: 7.2.24

WF 2 23B

Login Sample Receipt Checklist

Client: Albuquerque Metropolitan Arroyo Flood Control Authority

Job Number: 885-7077-1

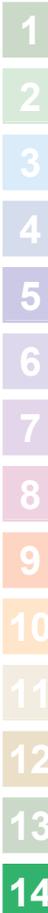
Login Number: 7077

List Number: 1

Creator: Cason, Cheyenne

List Source: Eurofins Albuquerque

| Question | Answer | Comment |
|---|--------|---------|
| Radioactivity wasn't checked or is \leq 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? | 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 <math><6\text{mm}</math> (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: 885-7077-1

Login Number: 7077

List Number: 2

Creator: Torrez, Lisandra

List Source: Eurofins Houston

List Creation: 07/02/24 10:56 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: 885-7077-1

Login Number: 7077

List Number: 4

Creator: Simmons, Jason C

List Source: Eurofins Sacramento

List Creation: 07/02/24 12:15 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 | 3.4c |
| 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: 885-7077-1

Login Number: 7077

List Number: 3

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

List Creation: 07/02/24 01:31 PM

| Question | Answer | Comment |
|---|--------|---------|
| Radioactivity wasn't checked or is \leq 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 <math><6\text{mm}</math> (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 2024 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 2024 (December 2023 – Dry Season Sample)

Project Coordinator: For Data Review and Reporting – SJG, BHI

V&V Reviewer: SJG

Data covered by this worksheet: Alameda – 12/13/2023– 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: SJJ Date: 2/6/2024*

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: SJJ Date: 2/6/2024*

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: 2/6/2024*

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: 2/6/2024*

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: SJJ Date: 2/6/2024*

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: SJJ Date: 2/6/2024*

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: 2/6/2024*

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



2/6/24

 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 2024 (December 2023 – Dry Season Sample)

Project Coordinator: For Data Review and Reporting – SJG, BHI

V&V Reviewer: SJG

Data covered by this worksheet: Rio Grande North – 12/13/2023

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: SJK* *Date: 12/12/2024*

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? |
|-----|----------------|---------------------------------|--------------|--------------|
| | | | | |

Total number of occurrences: 0

Step 2 Completed *Initials: SJJ Date: 2/12/2024*

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: SJJ Date: 2/12/2024*

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 | 12/13/2023 | Lab report lists two Total Phosphorous results and the dissolved | BHI emailed AMAFCA on 2/7/24 and added note to the lab report. |

| | | | |
|--|--|---|--|
| | | and total are not clear in the reporting. | |
|--|--|---|--|

Eurofins lab report number 2312898.

Total number of occurrences: 1

Step 4 Completed *Initials: SJK Date: 2/12/2024*

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: SJK Date: 2/12/2024*

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.

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: 0

Step 6 Completed *Initials: SJJ* *Date: 2/12/2024*

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?* |
|-----------|-------------------------|-------------|-----------|-----|------------------------------|--|
| | | | | | | |
| | | | | | | |

Total number of occurrences: 0

Step 7 Completed *Initials: SJJ* *Date: 2/12/2024*

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



2/12/24

 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 2024 (December 2023 – Dry Season Sample)

Project Coordinator: For Data Review and Reporting – SJG, BHI

V&V Reviewer: SJG

Data covered by this worksheet: Rio Grande South – 12/14/2023

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: SJK Date: 2/12/2024*

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: SJJ Date: 2/12/2024*

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: SJJ Date: 2/12/2024*

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 | 12/14/2023 | Lab report lists two Total Phosphorous results and the dissolved | BHI emailed AMAFCA on 2/7/24 and BHI added note to the lab report. |

| | | | |
|------------------|-------------------|---|---|
| | | and total are not clear in the reporting. | |
| Rio Grande South | <u>12/14/2023</u> | Lab report has mis-labeled the Rio Grande South Semivolatiles data as Rio Grande North. | BHI emailed AMAFCA on 2/7/24 to ask that they clarify this with the lab and BHI added note to the lab report. |

*Note – Eurofins lab report number 2312898.

Total number of occurrences: 2

Step 4 Completed *Initials: SJG Date: 2/12/2024*

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: 2/12/2024*

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: SJJ Date: 2/12/2024*

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?* |
|-----------|-------------------------|-------------|-----------|-----|------------------------------|--|
| | | | | | | |
| | | | | | | |

Total number of occurrences: 0

Step 7 Completed *Initials: SJJ Date: 2/12/2024*

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



2/12/24

 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 2024 (June 2024 – Dry Season Sample)

Project Coordinator: For Data Review and Reporting – SJG, BHI

V&V Reviewer: SJG

Data covered by this worksheet: Rio Grande South – 6/27/2024

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: SJK* *Date: 8/23/2024*

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. | | |

Step 2 Completed *Initials: SJK* *Date: 8/23/2024*

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: 8/23/2024

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 | 6/27/2024 | DO field data, collection protocol may have resulted in low DO reading. | Have reached out to the sampler there was a delay during sampling that could account for the low DO reading. |
| Rio Grande South | 6/27/2024 | Lab report did not include results for Ammonia (mg/L as N) | Notified AMAFCA (CMC member) of the missing parameter. |

| | | | |
|------------------|-----------|---|--|
| Rio Grande South | 6/27/2024 | Lab report did not include results for Benzo[a]pyrene | Notified AMAFCA (CMC member) of the missing parameter. |
|------------------|-----------|---|--|

*Note – Eurofins Job ID: 885-7077-1.

Total number of occurrences: 3

Step 4 Completed *Initials: SJJ Date: 8/23/2024*

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: SJJ Date: 8/23/2024*

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 | 6/27/2024 | Tetrahydrofuran | | yes | H | Yes |
| Rio Grande South | 6/27/2024 | Dieldrin | | yes | 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: SJJ Date: 8/23/2024*

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 | 6/27/2024 | Dieldrin | | yes | *+ |
| Rio Grande South | Lab Duplicate | Lab Duplicate | 6/27/2024 | 5 Semivolatile Organic Compounds | | yes | *+ |

Total number of occurrences: 6

Step 7 Completed *Initials: SJJ Date: 8/23/2024*

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



8/23/2024

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 2024 (June 2024 – 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 – 6/26/2024

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: SJJ Date: 8/21/2024*

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: SJJ Date: 8/21/2024*

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: 8/21/2024

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 | 6/26/2024 | DO field data, collection protocol may have resulted in low DO reading. | Have reached out to the sampler there was a delay during sampling that could account for the low DO reading. |
| Rio Grande North | 6/26/2024 | Lab report did not include results for Ammonia (mg/L as N) | Notified AMAFCA (CMC member) of the missing parameter. |
| Rio Grande North | 6/26/2024 | Lab report did not include results for Benzo[a]pyrene | Notified AMAFCA (CMC member) of the missing parameter. |

Eurofins Job ID: 885-7077-1.

Total number of occurrences: 3

Step 4 Completed *Initials: SJK Date: 8/21/2024*

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: SJK Date: 8/21/2024*

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 | 6/26/2024 | Tetrahydrofuran | | yes | H | Yes |
| Rio Grande North | 6/26/2024 | Dieldrin | | yes | 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: SJJ* *Date: 8/21/2024*

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 | 6/26/2024 | Dieldrin | | yes | *+ |
| Rio Grande North | Lab Duplicate | Lab Duplicate | 6/26/2024 | 5 Semivolatile Organic Compounds | | yes | *+ |

Total number of occurrences: 6

Step 7 Completed *Initials: SJJ* *Date: 8/21/2024*

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



8/21/2024

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 2024 (June 2024 – Dry Season Sample)

Project Coordinator: For Data Review and Reporting – SJG, BHI

V&V Reviewer: SJG

Data covered by this worksheet: Alameda – 6/26/2024– 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: SJJ Date: 8/13/2024*

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: SJJ Date: 8/13/2024*

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: 8/13/2024

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 |
|-----|-------------|---|--|
| | 6/26/2024 | DO field data, collection protocol may have resulted in low DO reading. | Have reached out to the sampler to determine if there were any issues during sampling that could account for the low DO reading. |

Total number of occurrences: 1

Step 4 Completed *Initials: SJJ Date: 8/13/2024*

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: SJJ Date: 8/13/2024*

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: SJJ Date: 8/13/2024*

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: SJK Date: 8/13/2024*

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



8/13/24

 Data Verifier/Validator Signature

 Date

COMPLETION OF DATA VERIFICATION AND VALIDATION PROCESS

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| 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 | |
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| RB1 | Chemical was detected in the field blank at a concentration greater than or equal to 5% of the sample concentration. Results for this sample are rejected because they may be the result of contamination; the results may not be reported or used for regulatory compliance purposes. | B |
| R1 | Rejected due to incorrect sample preservation | R |
| R2 | Rejected due to equipment failure in the field | R |
| R3 | Rejected based on best professional judgment | R |
| D1 | Spike recovery not within method acceptance limits | |
| F1 | Sample filter time exceeded | |
| J1 | Estimated: the analyte was positively identified and the associated value is an approximate concentration of the analyte in the sample | J |
| K1 | Holding time violation | H |
| Ea | Estimated-Incubation temperature between 35.5 and 38.0° Celsius | |
| Er | Rejected-Incubation temperature < 34.5 or >38.0° Celsius | |
| PD1 | Percent difference between duplicate samples excessive | |
| S1 | Per SLD, uncertainties (sigmas) are expressed as one standard deviation, i.e. one standard error. Small negative or positive values that are less than two standard deviations should be interpreted as “less than the detection limit.” | |
| S2 | Data are suspect but deemed usable based on best professional judgment; documentation of justification is required and should be included in the Data Verification and Validation Packet and reported with results | |
| Z1 | Macroinvertebrate data did not meet QC criteria specified in Section 2.5 of QAPP | |
| H1 | Habitat data did not meet QC criteria specified in Section 2.5 of QAPP | |



**Summary of AMAFCA's MS4
Post-Construction Stormwater Management Program
FY 2024 (July 1, 2023 – June 30, 2024)**

NPDES Permit No. NMR04A000

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

Post-construction stormwater runoff is the stormwater that would flow from a project site to the Municipal Separate Storm Sewer System (MS4) after completion of a new development or redevelopment (not during the project construction). Controls for this type of runoff are necessary to maintain or restore stable hydrology in receiving waters by limiting surface runoff rates and volumes and reducing pollutant loadings from sites that undergo development or significant redevelopment.

Post-construction stormwater management in areas undergoing new development or redevelopment is necessary because runoff from these areas has been shown to significantly affect receiving water bodies. The intent of the Post-Construction Stormwater Management requirements in the MS4 Permit, according to the Environmental Protection Agency (EPA), are to:

- Prevent or reduce pollutants in stormwater discharges from reaching the Rio Grande;
- Mimic predevelopment hydrology; and
- Reduce impacts on natural channels and flow paths due to changes in hydrology.

AMAFCA, in conjunction with the area MS4 through the Mid Rio Grande (MRG) Stormwater Quality Team, completed a review and recommendations memo for post-construction stormwater quality design standards in the MRG Watershed in April 2021. Currently, the MRG MS4 permittees approach the stormwater quality design standard slightly differently.

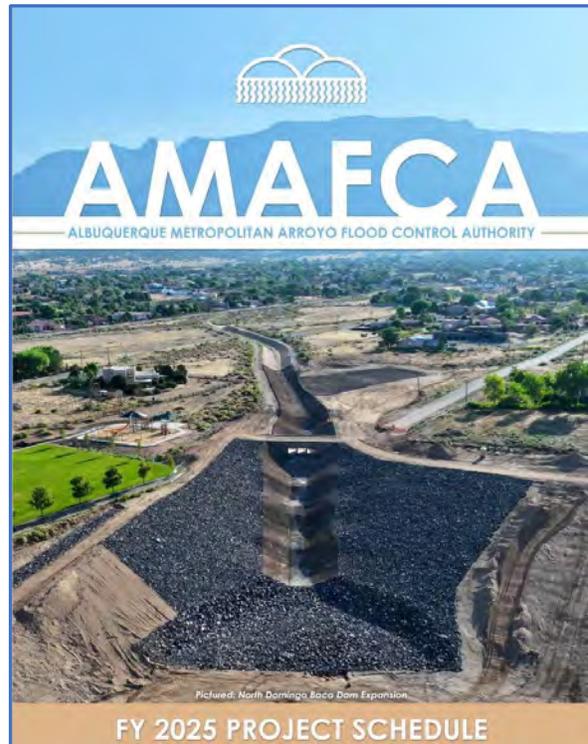
The Post-Construction Stormwater Quality Volume Calculation (SWQV) Comparison Tool was created as part of this task to assist the MRG MS4 permittees with comparing the stormwater quality design standards used within the MRG watershed related to post-construction stormwater management. It was recommended that developers be encouraged to include green stormwater infrastructure (GSI) and low impact development (LID) as well as increased landscape areas to reduce the total impervious area of a site, thereby reducing the required SWQV. It was also recommended that water quality and detention inspections include a review of the original impervious area used in the SWQV calculation to ensure that site modifications have not increased the impervious area of a site. The extent of the application and/or adoption of these recommendations for post-construction stormwater quality design standards and inspections will be determined and implemented by each MS4 permittee. Based on analysis from this document and discussions with New Mexico Environment Department (NMED) and EPA, Bernalillo issued a memorandum on May 12, 2021, that within 30 calendar days, all new development and County

redevelopment projects that disturb equal to or greater than 1 acre or are part of a larger common plan of development, will be required to use the rainfall depth to calculate the SWQV for impervious areas (including compacted areas) – this is available on the Bernalillo County website: https://www.bernco.gov/public-works/wp-content/uploads/sites/76/2021/05/SWQV_Calculation_memo_051221_encrypted.pdf

AMAFCA’s Drainage Management Plans (DMPs) calculate flood protection and water quality volumes for a given subwatershed’s facilities that can accommodate the SWQV independent of the rainfall/runoff numbers used to calculate required on-site retention. AMAFCA’s planning documents comply with the MS4 Permit by limiting the discharge from within a subwatershed to the pre-development flow condition. AMAFCA’s facilities are designed to attenuate the runoff from a storm event such that the river’s flow conditions are essentially unaffected by new development and/or redevelopment.

AMAFCA’s development engineer participates in area development reviews and often has the opportunity to comment on and request water quality components for projects. In addition, the AMAFCA Storm Water Quality Engineer participates in reviews subdivision reviews completed by Ciudad Soil and Water Conservation District, in accordance with their authority [47-6-11(F)(4) NMSA]. These reviews often cross-check with area terrain management plans and focus on post-construction runoff quantity, stormwater retention ponds, GSI/LID options, post-construction velocities, and maintenance requirements.

The AMAFCA Project schedule ([2025 AMAFCA Project Schedule Report.pdf](#)) identifies future planning efforts, joint funding initiatives, and design and construction projects that AMAFCA hopes to accomplish over the next 6 years. Planned stormwater quality projects are prioritized as required by the MS4 Permit. The prioritization assists AMAFCA and its Board of Directors in its mission to protect life and property. Projects subject to this scoring have a strong affinity towards water quality improvements, however, projects included in the Project Schedule which are not scored for water quality may still include water quality aspects as part of their scope. This figure below provides a summary of the scoring criteria used for water quality facilities.



Total project cost will ultimately determine the feasibility of a proposed project. As such, projects will be scored based on their total estimated project cost. The point scale below describes how points are assigned based on total project cost.

| Total Cost | Points |
|--|--------|
| Less than \$500K | 2 |
| Greater than \$500K but less than \$1M | 1 |
| Greater than \$1M | 0 |

Location along a flow path to the Rio Grande is taken into consideration when assigning points to each project. Projects are scored higher if they are the only stormwater quality facility along the flow path to the Rio Grande, and lower if there is a facility(ies) above or below the proposed project. The point scale below describes points are assigned based on this location.

| Flow path to the Rio Grande | Points |
|--|--------|
| Project only WQ Facility | 3 |
| Project downstream of existing WQ Facility | 1 |
| Project Upstream of existing WQ Facility | 1 |

If a stormwater quality facility is located within the Bosque - the forested area surrounding the riparian zone of the Rio Grande floodplain - the project was awarded a "bonus" for being the ultimate water quality control measure before stormwater reaches the Rio Grande. The point scale below describes how the bonus points were assigned based on the above criteria.

| "Bosque Bonus" | Points |
|-------------------|--------|
| Within Bosque | 2 |
| Not Within Bosque | 0 |

Total Points Scale: 1-7

AMAFCA Project Schedule Water Quality Facility Scoring Criteria

In addition, AMAFCA has been a supporter of the annual Land and Water Summit in the Albuquerque area. The Land and Water Summit was created in 1986 by the Xeriscape Council of New Mexico. Developed to bring together design professionals, construction and management companies, agencies, farmers, artists, teachers, hydrologists, ranchers, climatologists, wildlife advocates, homeowners, and policy makers to find sustainable ways to protect and share our state's water and resources, the event is now hosted by Ciudad Soil and Water Conservation District, which serves as the event's fiscal agent. The group's primary goal is to educate the public about resource conservation and best practices for improving and protecting local landscapes – which ties well with the MS4 Post-Construction Stormwater Management education requirements. AMAFCA continued to be a financial sponsor as well as an active member on the planning committee (refer to images on the next two pages). For information on the 2024 Land and Water Summit, please visit the conference website: [The 2024 Land and Water Summit • The Land and Water Summit \(landandwatersummitnm.org\)](https://www.landandwatersummitnm.org)



April 1, 2024

Dear AMAFCA,

On behalf of the Land and Water Summit Planning Committee, Ciudad Soil & Water Conservation District would like to take this opportunity to thank you for the generous sponsorship in the amount of \$1,000 that was provided for the 2024 Land and Water Summit Conference. As the host of the Land and Water Summit, Ciudad SWCD is pleased to report that the AMAFCA charitable **Stream Level** sponsor contribution assisted with the planning efforts and implementation of the conference.

Through AMAFCA's sponsorship, the Land and Water Summit hosted a pre-conference field trip with 55 registered attendees and a conference with 186 registered attendees, 132 in-person and 54 remote viewers, and 21 sponsors receiving 31,684 impressions. Additionally, this year, for the first time ever, the Summit featured a poster session.

The 2024 Land and Water Summit brought together a diverse lineup of speakers focused on driving change in our arid environment, with particular emphasis on nature-based solutions and green stormwater infrastructure in urban areas. Collaboration and innovation were central themes, stressing the necessity of community engagement in decision making processes. The conference highlighted the importance of drawing upon local knowledge and value while seeking forward-thinking approaches to complex natural resources issues.

The Land and Water Summit annual conference plays a vital role in continuing education about resource conservation and best practices for safeguarding and enhancing local landscapes. The event would not be possible without AMAFCA's financial contribution. The Land and Water Summit Planning Committee and Ciudad SWCD are immensely grateful for your generous support and sponsorship of the conference.

Sincerely,

A handwritten signature in black ink, appearing to read "J. Steven Glass".

J. Steven Glass
Land and Water Summit Planning Committee, Co-Chair
Ciudad Soil & Water Conservation District, Board Chair

2024 Land and Water Summit Sponsorship Letter to AMAFCA

Thanks for Your Support!



Committee Members:

- **Steve Glass, Chair** • *Ciudad Soil and Water Conservation District*
- **Erin Blaz** • *Ciudad Soil and Water Conservation District*
- **Kali Bronson** • *Bernalillo County*
- **Patrick Chavez** • *Albuquerque Metropolitan Arroyo Flood Control Authority*
- **Sarah Ganley** • *Bohannon Huston, Inc.*
- **David Gatterman** • *Southern Sandoval County Arroyo Flood Control Authority*
- **Megan Marsee** • *Bernalillo County*
- **joni palmer** • *UNM Southwest Environmental Finance Center*
- **Richard Perce** • *Groundwork Studio*
- **George Radnovich** • *Sites Southwest*
- **Carla Salazar** • *Southern Sandoval County Arroyo Flood Control Authority*
- **Phyllis Baker, Consultant** • *Baker Creative*

2024 Land and Water Summit Planning Committee



**Summary of AMAFCA’s MS4
Illicit Discharges and Improper Disposal Program
FY 2024 (July 1, 2023 – June 30, 2024)**

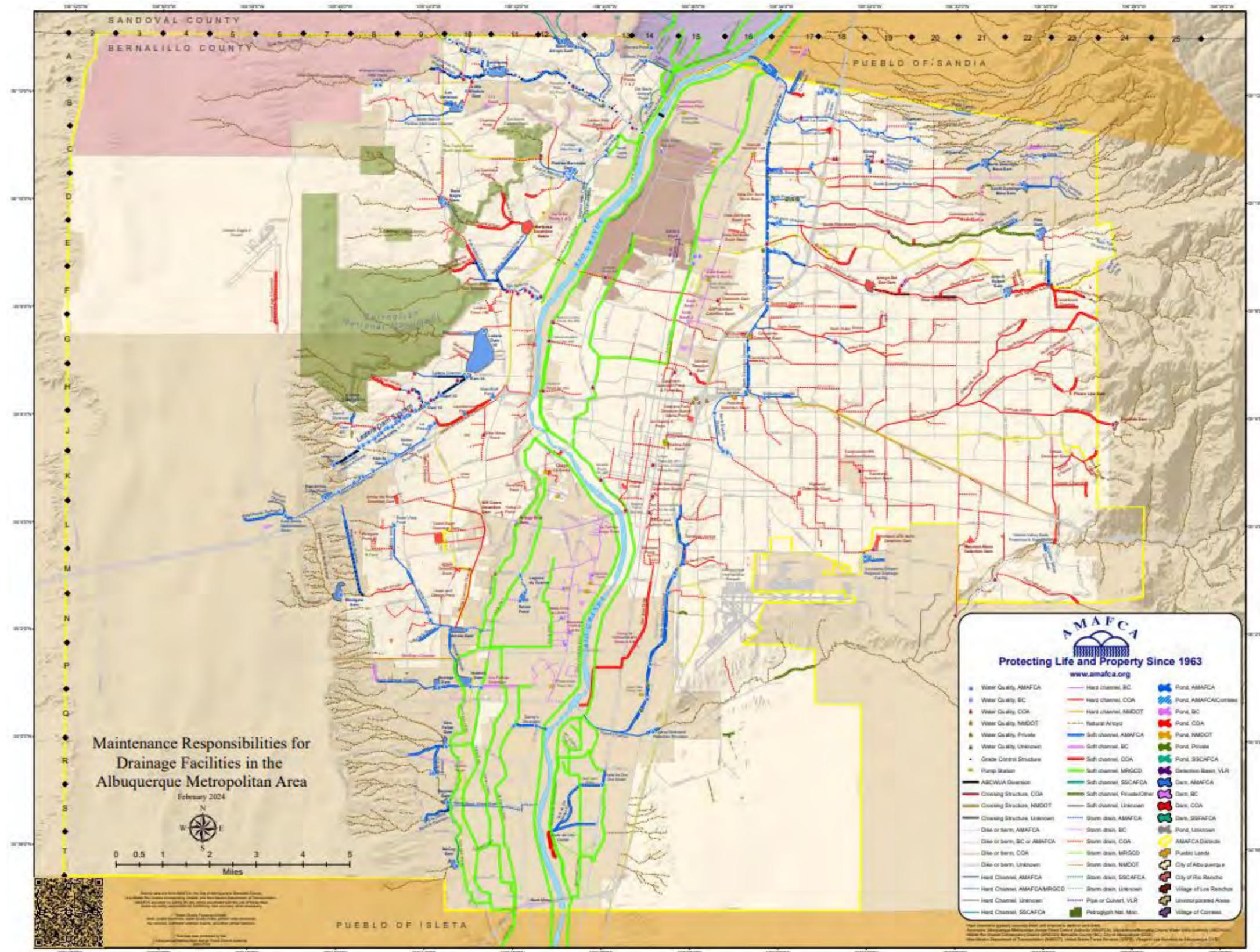
NPDES Permit No. NMR04A000

Part I.D.5.e - Illicit Discharge and Improper Disposal

AMAFCA’s successful Illicit Discharge and Improper Disposal Control Program depends on strong collaborative programs and community relationships, as well as AMAFCA’s commitment to addressing illicit discharges. AMAFCA has teamed with the City of Albuquerque on its 311 Community Contact Center hotline (includes website and phone app) for reporting illicit discharges. All AMAFCA staff are trained to address illicit discharge reports. AMAFCA has created forms and procedures for this program, as well as provided staff education. In accordance with AMAFCA’s Stormwater Management Plan (SWMP), AMAFCA has and will continue to follow its procedures and practices to detect and eliminate illicit discharges.

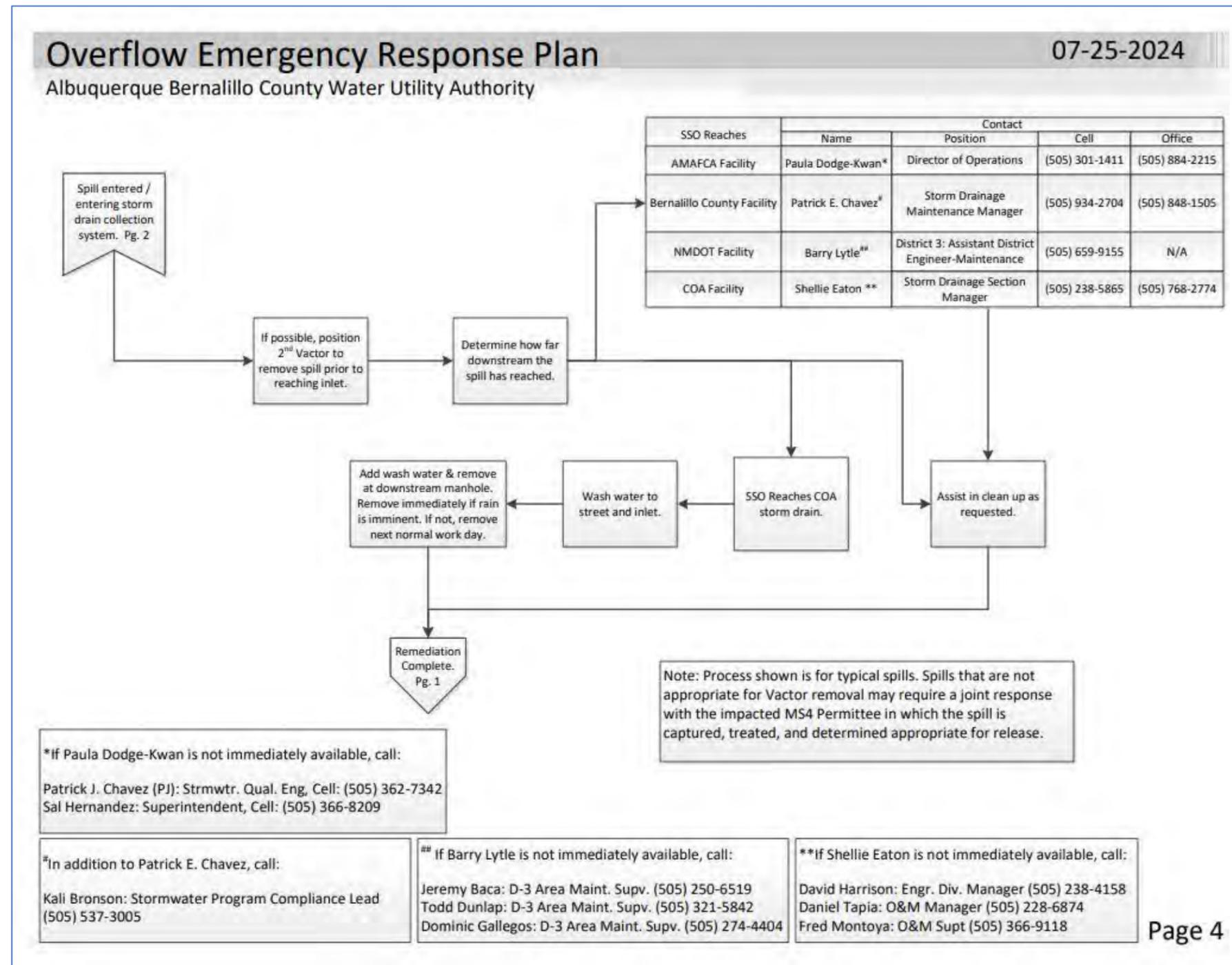
This program uses GIS to track illicit discharge reports and identify areas of concern where additional public outreach and education may be needed. AMAFCA is the leader in the watershed for its Maintenance Responsibilities for Drainage Facilities in the Albuquerque Metropolitan Area. The AMAFCA map on page 2 represents facilities throughout the Albuquerque Metropolitan Area for multiple agencies and is essential for ensuring that proper organizations are contacted and involved in any illicit discharge reports, assessment, removal, and/or enforcement. This AMAFCA map meets MS4 Permit requirements in Section I.D.5.e.(i)(a).

AMAFCA also continuously looks for opportunities to add dry weather screening to assist with identifying potential illicit discharges to its numerous projects, leveraging opportunities where staff or consultants are already out in the field. AMAFCA has the added benefit of professional on-staff maintenance crew members who are working throughout their jurisdiction and are equipped and educated to detect illicit discharges. The visual screening is important to ensure AMAFCA meets the MS4 Permit requirements in I.D.5.e.(i)(c)(A).



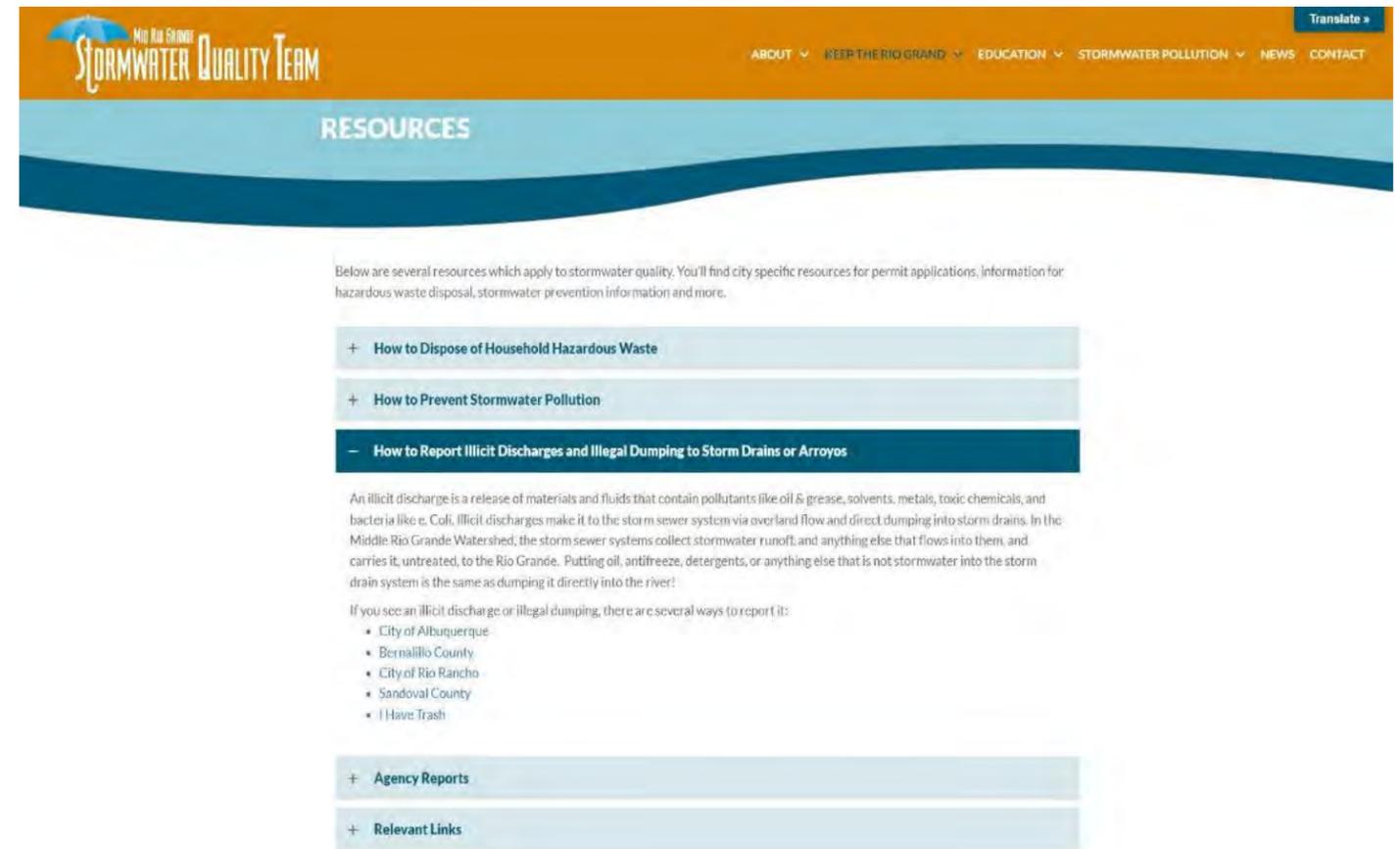
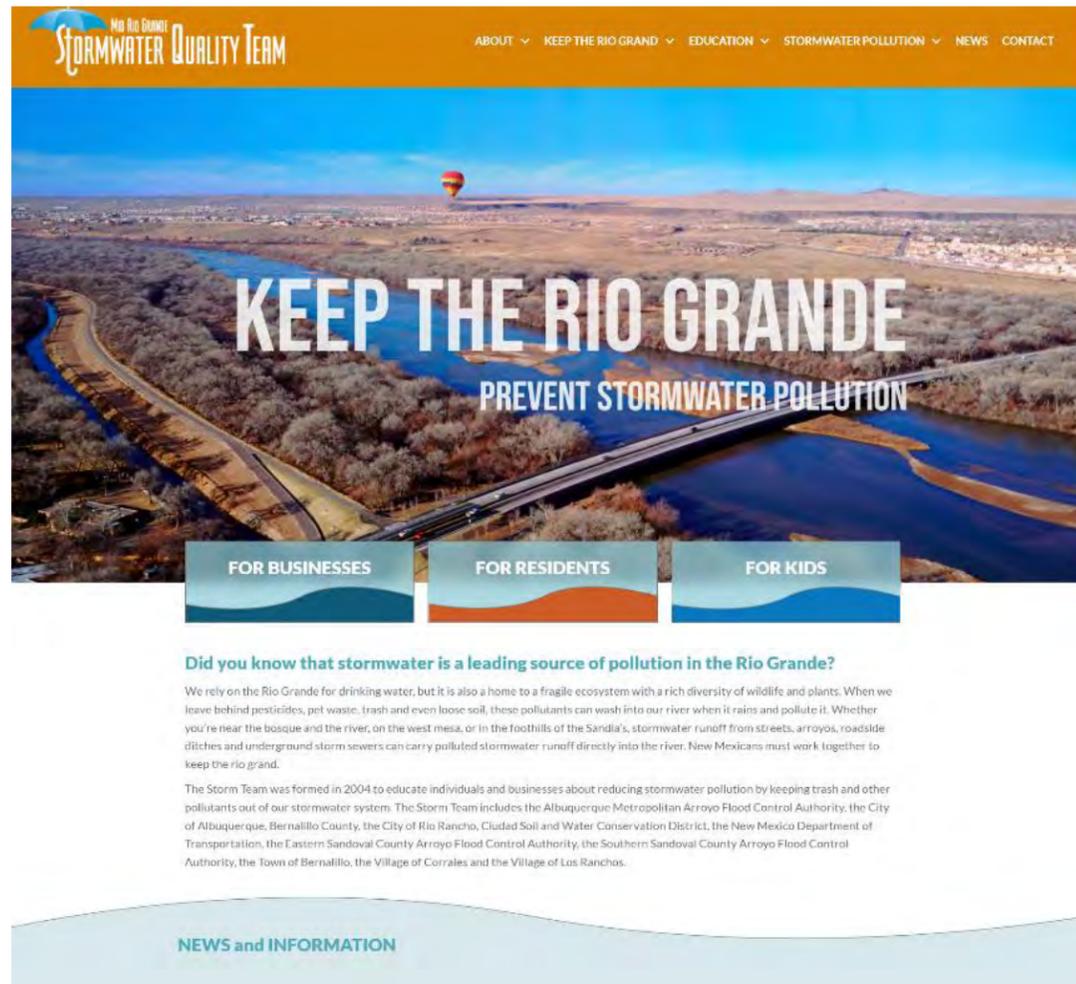
AMAFCA's Maintenance Responsibilities for Drainage Facilities in the Albuquerque Metropolitan Area Map
https://amafca.org/documents/Maintenance_Map.pdf

Related to collaborative programs and community relationships, AMAFCA continues to coordinate closely with the Albuquerque Bernalillo County Water Utility Authority (ABCWUA) as well as other area agencies, as shown in the ABCWUA’s Collection System Overflow Emergency Response Plan (one page included below – full plan available online: https://www.abcwua.org/wp-content/uploads/2024/07/OERP_07-25-2024_Final.pdf). This plan helps ensure that the community responds to and cleans up spills that enter the storm drain collection system.



Page From ABCWUA’s Overflow Emergency Response Program

In addition, AMAFCA is a member in the cooperative Municipal Separate Storm Sewer System (MS4) Technical Advisory Group (TAG), which facilitates cooperation and coordination with other MS4s in the Middle Rio Grande related to the illicit discharge and improper disposal control program. AMAFCA is also a member of the Mid Rio Grande Stormwater Quality Team (MRGSQT – <https://keeptheriogrand.org/>), which has grown to 12 organizations who leverage their resources to ensure MS4 Permit public education and outreach requirements are met with the goal of preventing and reducing stormwater pollution throughout the watershed from reaching the Rio Grande. The MRGSQT provides educational information regarding stormwater quality to the community, including information that facilitates public reporting of illicit connections or discharges and educational programs that inform the public of hazards associated with illicit discharges and improper waste disposal, as well as proper ways to dispose of hazardous wastes.



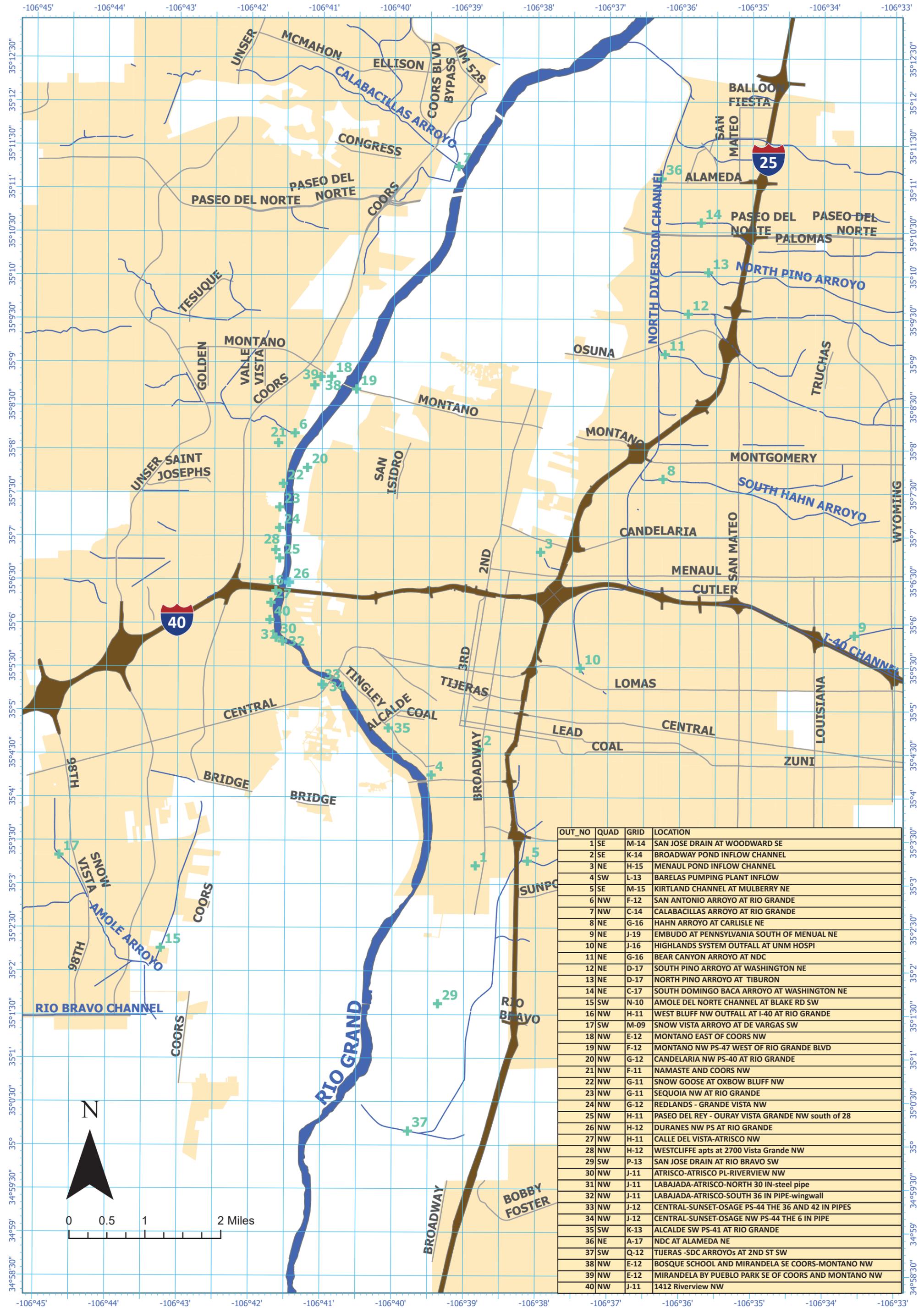
Web View of Links Related to Illicit Discharge and Improper Disposal on the MRGSQT Keep The Rio Grande! Website



**Summary of AMAFCA's MS4
Dry Weather Discharge Screening Program
FY 2024 (July 1, 2023 - June 30, 2024)**

NPDES Permit No. NMR04A000
Part III.A.2 - Dry Weather Discharge Screening of MS4

**Dry Weather Screening
of Outfalls
2024
Report**



Outfall Locations

DRY WEATHER OUTFALLS SCREENING 2023

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LOCATION **SAN JOSE DRAIN AT BETHEL SE**

OUTFALL_NO **1** QUAD **SE** GRID **M-14** SAMPLED

DATE_INSP **3/5/2024** TIME **9:00** Inspected by **JA/DL***

WEATHER **SUNNY** flow **NO** FLOW_GPM **0**

APPEARANCE **na** GROSS POLLUTANT **na**

Source of Flow **na**

link [X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2024\2 - DW Screening-2023-2024\East\1-M](X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2024\2-DW_Screening-2023-2024\East\1-M)

| | | | |
|--|-----------|---------------------------|--|
| AIR_TEMP_F | 42 | Lab | |
| WATER_TEMP_F | | Lab_Report | |
| pH | | E_coli_Coliform_mpn/100ml | |
| CONDUCTIVITY_Umos/cm | | Ammonia_mg/l | |
| BOD_mg/l | | Nitrite_NO2_mg/l | |
| COD_mg/l | | Nitrate_NO3_mg/l | |
| TSS_mg/l | | TKN_Tot_Kjeld_N_mg/l | |
| TDS_mg/l | | Phosphorus_total_mg/l_P | |
| N-Hexane Extractable-(Oil_Grease)_mg/l | | Hardness_mg/l_CaCO3 | |
| Fluoride_mg/l | | Chlorine_mg/l | |



1

*JA = Javier Ayala, stormwater inspector
DL = DJ Laskowski, stormwater inspector

LOCATION **BROADWAY POND INFLOW CHANNEL**

OUTFALL_NO **2** QUAD **SE** GRID **K-14** SAMPLED

DATE_INSP **3/4/2024** TIME **10:00** Inspected by **KO/ML***

WEATHER **SUNNY** flow **Y** FLOW_GPM **0.1**

APPEARANCE **clear** GROSS POLLUTANT **none**

Source of Flow **Irrigation, well wash, fire hydants discharge**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\2-K>

| | | | |
|--|------|---------------------------|------------|
| AIR_TEMP_F | | Lab | Eurofins |
| WATER_TEMP_F | | Lab_Report | 885-1602-1 |
| pH | 8.1 | E_coli_Coliform_mpn/100ml | 16.1 |
| CONDUCTIVITY_Umos/cm | 580 | Ammonia_mg/l | ND |
| BOD_mg/l | <2 | Nitrite_NO2_mg/l | ND |
| COD_mg/l | ND | Nitrate_NO3_mg/l | 0.28 |
| TSS_mg/l | ND | TKN_Tot_Kjeld_N_mg/l | 0.77 |
| TDS_mg/l | 380 | Phosphorus_total_mg/l_P | 0.42 |
| N-Hexane Extractable-(Oil_Grease)_mg/l | ND | Hardness_mg/l_CaCO3 | 190 |
| Floride_mg/l | 0.56 | Chlorine_mg/l | ND |



*KO = Kyle O'Malley, engineering assistant
ML = Miguel Luna, stormwater inspector

LOCATION **MENAU POND INFLOW CHANNEL**

OUTFALL_NO **3** QUAD **NE** GRID **H-15** SAMPLED

DATE_INSP **3/5/2024** TIME **10:00** Inspected by **JA/DL**

WEATHER **SUNNY** flow **NO** FLOW_GPM **0**

APPEARANCE **na** GROSS POLLUTANT **na**

Source of Flow **na**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening-2023-2024\East\3-H>

| | | | |
|--|-----------|---------------------------|--|
| AIR_TEMP_F | 55 | Lab | |
| WATER_TEMP_F | | Lab_Report | |
| pH | | E_coli_Coliform_mpn/100ml | |
| CONDUCTIVITY_Umos/cm | | Ammonia_mg/l | |
| BOD_mg/l | | Nitrite_NO2_mg/l | |
| COD_mg/l | | Nitrate_NO3_mg/l | |
| TSS_mg/l | | TKN_Tot_Kjeld_N_mg/l | |
| TDS_mg/l | | Phosphorus_total_mg/l_P | |
| N-Hexane Extractable-(Oil_Grease)_mg/l | | Hardness_mg/l_CaCO3 | |
| Floride_mg/l | | Chlorine_mg/l | |



LOCATION **BARELAS PUMPING PLANT INFLOW**

OUTFALL_NO **4** QUAD **SW** GRID **L-13** SAMPLED

DATE_INSP **4/4/2024** TIME **1:30** Inspected by **KO/ML**

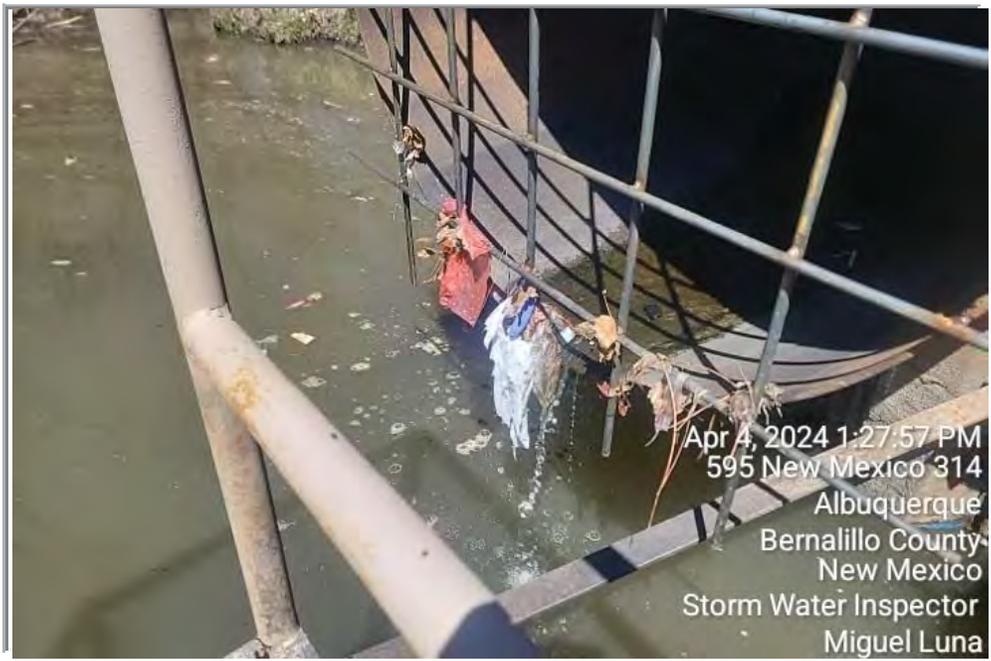
WEATHER **SUNNY** flow **Y** FLOW_GPM **0.1**

APPEARANCE **clear** GROSS POLLUTANT **none**

Source of Flow **groundwater infiltration to the storm lines**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\4-L>

| | | | |
|--|------|---------------------------|------------|
| AIR_TEMP_F | 68 | Lab | Eurofins |
| WATER_TEMP_F | | Lab_Report | 885-2402-1 |
| pH | 8 | E_coli_Coliform_mpn/100ml | >2419.6 |
| CONDUCTIVITY_Umos/cm | 690 | Ammonia_mg/l | nd |
| BOD_mg/l | 2.1 | Nitrite_NO2_mg/l | nd |
| COD_mg/l | nd | Nitrate_NO3_mg/l | 0.14 |
| TSS_mg/l | nd | TKN_Tot_Kjeld_N_mg/l | 0.6 |
| TDS_mg/l | 450 | Phosphorus_total_mg/l_P | 0.19 |
| N-Hexane Extractable-(Oil_Grease)_mg/l | nd | Hardness_mg/l_CaCO3 | 240 |
| Fluoride_mg/l | 0.61 | Chlorine_mg/l | 0.07 |



LOCATION **KIRTLAND CHANNEL AT MULBERRY NE**
 OUTFALL_NO **5** QUAD **SE** GRID **M-15** SAMPLED
 DATE_INSP **3/22/2024** TIME **11:00** Inspected by **JA/DL**
 WEATHER **SUNNY** flow **N** FLOW_GPM **0**
 APPEARANCE **na** GROSS POLLUTANT **na**
 Source of Flow **na**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening-2023-2024\East\5-M>

| | | | |
|--|-----------|---------------------------|--|
| AIR_TEMP_F | 56 | Lab | |
| WATER_TEMP_F | | Lab_Report | |
| pH | | E_coli_Coliform_mpn/100ml | |
| CONDUCTIVITY_Umos/cm | | Ammonia_mg/l | |
| BOD_mg/l | | Nitrite_NO2_mg/l | |
| COD_mg/l | | Nitrate_NO3_mg/l | |
| TSS_mg/l | | TKN_Tot_Kjeld_N_mg/l | |
| TDS_mg/l | | Phosphorus_total_mg/l_P | |
| N-Hexane Extractable-(Oil_Grease)_mg/l | | Hardness_mg/l_CaCO3 | |
| Fluoride_mg/l | | Chlorine_mg/l | |



LOCATION **SAN ANTONIO ARROYO AT RIO GRANDE**

OUTFALL_NO **6** QUAD **NW** GRID **F-12** SAMPLED

DATE_INSP **3/22/2024** TIME **10:00am** Inspected by **JA/DL**

WEATHER **SUNNY** flow **NO** FLOW_GPM **0**

APPEARANCE **na** GROSS POLLUTANT **na**

Source of Flow **na**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\6-F>

| | | | |
|--|-----------|---------------------------|--|
| AIR_TEMP_F | 60 | Lab | |
| WATER_TEMP_F | | Lab_Report | |
| pH | | E_coli_Coliform_mpn/100ml | |
| CONDUCTIVITY_Umos/cm | | Ammonia_mg/l | |
| BOD_mg/l | | Nitrite_NO2_mg/l | |
| COD_mg/l | | Nitrate_NO3_mg/l | |
| TSS_mg/l | | TKN_Tot_Kjeld_N_mg/l | |
| TDS_mg/l | | Phosphorus_total_mg/l_P | |
| N-Hexane Extractable-(Oil_Grease)_mg/l | | Hardness_mg/l_CaCO3 | |
| Fluoride_mg/l | | Chlorine_mg/l | |



LOCATION **CALABACILLAS ARROYO AT RIO GRANDE**

OUTFALL_NO **7** QUAD **NW** GRID **C-14** SAMPLED

DATE_INSP **4/5/2024** TIME **3:00pm** Inspected by **KO/ML**

WEATHER **CLOUDY** flow **N** FLOW_GPM **0**

APPEARANCE **na** GROSS POLLUTANT **na**

Source of Flow **na**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\7-C>

| | | | |
|--|-----------|---------------------------|--|
| AIR_TEMP_F | 65 | Lab | |
| WATER_TEMP_F | | Lab_Report | |
| pH | | E_coli_Coliform_mpn/100ml | |
| CONDUCTIVITY_Umos/cm | | Ammonia_mg/l | |
| BOD_mg/l | | Nitrite_NO2_mg/l | |
| COD_mg/l | | Nitrate_NO3_mg/l | |
| TSS_mg/l | | TKN_Tot_Kjeld_N_mg/l | |
| TDS_mg/l | | Phosphorus_total_mg/l_P | |
| N-Hexane Extractable-(Oil_Grease)_mg/l | | Hardness_mg/l_CaCO3 | |
| Floride_mg/l | | Chlorine_mg/l | |



Mar 6, 2024 2:52:28 PM
 4304 Loren Avenue Northwest
 Albuquerque
 Bernalillo County
 New Mexico
 Storm Water Inspector
 Miguel Luna

LOCATION **HAHN ARROYO AT CARLISLE NE**

OUTFALL_NO **8** QUAD **NE** GRID **G-16** SAMPLED

DATE_INSP **3/27/2024** TIME **10:00am** Inspected by **JA/DL**

WEATHER **CLOUDY** flow **Yes** FLOW_GPM **0**

APPEARANCE **na** GROSS POLLUTANT **na**

Source of Flow **na**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening-2023-2024\East\8-G>

| | | | |
|--|------|---------------------------|------------|
| AIR_TEMP_F | 42 | Lab | Eurofins |
| WATER_TEMP_F | | Lab_Report | 885-1871-1 |
| pH | 7.9 | E_coli_Coliform_mpn/100ml | 5.2 |
| CONDUCTIVITY_Umos/cm | 550 | Ammonia_mg/l | ND |
| BOD_mg/l | 5.1 | Nitrite_NO2_mg/l | ND |
| COD_mg/l | ND | Nitrate_NO3_mg/l | 0.18 |
| TSS_mg/l | ND | TKN_Tot_Kjeld_N_mg/l | 2.1 |
| TDS_mg/l | 310 | Phosphorus_total_mg/l_P | 0.49 |
| N-Hexane Extractable-(Oil_Grease)_mg/l | ND | Hardness_mg/l_CaCO3 | 180 |
| Fluoride_mg/l | 0.57 | Chlorine_mg/l | ND |



Mar 27, 2024 9:56:57 AM
 4125 Carlisle Boulevard Northeast
 Albuquerque
 Bernalillo County
 New Mexico

LOCATION **EMBUDO AT PENNSYLVANIA SOUTH OF MANUAL NE**

OUTFALL_NO **9** QUAD **NE** GRID **J-19** SAMPLED

DATE_INSP **3/26/2024** TIME **10:30am** Inspected by **JA/DL**

WEATHER **SUNNY** flow **NO** FLOW_GPM **0**

APPEARANCE **na** GROSS POLLUTANT **na**

Source of Flow **na**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening-2023-2024\East\9-J1>

| | | | |
|--|-----|---------------------------|------------|
| AIR_TEMP_F | 50 | Lab | Eurofins |
| WATER_TEMP_F | | Lab_Report | 885-1789-1 |
| pH | 8.1 | E_coli_Coliform_mpn/100ml | ND |
| CONDUCTIVITY_Umos/cm | 490 | Ammonia_mg/l | ND |
| BOD_mg/l | ND | Nitrite_NO2_mg/l | ND |
| COD_mg/l | ND | Nitrate_NO3_mg/l | 0.14 |
| TSS_mg/l | ND | TKN_Tot_Kjeld_N_mg/l | ND |
| TDS_mg/l | 300 | Phosphorus_total_mg/l_P | 0.31 |
| N-Hexane Extractable-(Oil_Grease)_mg/l | ND | Hardness_mg/l_CaCO3 | 160 |
| Fluoride_mg/l | 0.5 | Chlorine_mg/l | ND |



LOCATION **NDC AT TUCKER**

OUTFALL_NO **10** QUAD **NE** GRID **J-16** SAMPLED

DATE_INSP **4/3/2024** TIME **10:30am** Inspected by **NR***

WEATHER **SUNNY** flow **No** FLOW_GPM **0**

APPEARANCE _____ GROSS POLLUTANT _____

Source of Flow _____

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening-2023-2024\East\10-J>

| | | | |
|--|------|---------------------------|--------------------|
| AIR_TEMP_F | 48 | Lab | HALL ENVIRONMENTAL |
| WATER_TEMP_F | 37 | Lab_Report | 2212536 |
| pH | 8.29 | E_coli_Coliform_mpn/100ml | 1046.2 |
| CONDUCTIVITY_Umos/cm | 300 | Ammonia_mg/l | <5 |
| BOD_mg/l | <12. | Nitrite_NO2_mg/l | <0.5 |
| COD_mg/l | 176 | Nitrate_NO3_mg/l | <0.5 |
| TSS_mg/l | 16 | TKN_Tot_Kjeld_N_mg/l | <5 |
| TDS_mg/l | 240 | Phosphorus_total_mg/l_P | 0.09 |
| N-Hexane Extractable-(Oil_Grease)_mg/l | <9.5 | Hardness_mg/l_CaCO3 | 120 |
| Fluoride_mg/l | <0.5 | Chlorine_mg/l | <0.05 |



LOCATION **BEAR CANYON ARROYO AT NDC**

OUTFALL_NO **11** QUAD **NE** GRID **G-16** SAMPLED

DATE_INSP **3/5/2024** TIME **2:12** Inspected by **JA/DL**

WEATHER **CLOUDY** flow **NO** FLOW_GPM **0**

APPEARANCE **na** GROSS POLLUTANT **na**

Source of Flow **na**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening-2023-2024\East\11->

| | | | |
|--|-----------|---------------------------|--|
| AIR_TEMP_F | 49 | Lab | |
| WATER_TEMP_F | | Lab_Report | |
| pH | | E_coli_Coliform_mpn/100ml | |
| CONDUCTIVITY_Umos/cm | | Ammonia_mg/l | |
| BOD_mg/l | | Nitrite_NO2_mg/l | |
| COD_mg/l | | Nitrate_NO3_mg/l | |
| TSS_mg/l | | TKN_Tot_Kjeld_N_mg/l | |
| TDS_mg/l | | Phosphorus_total_mg/l_P | |
| N-Hexane Extractable-(Oil_Grease)_mg/l | | Hardness_mg/l_CaCO3 | |
| Fluoride_mg/l | | Chlorine_mg/l | |



| | | | | | | | |
|----------------|---|------|-----------------|--------------|-------|---------|--------------------------|
| LOCATION | SOUTH PINO ARROYO AT WASHINGTON NE | | | | | | |
| OUTFALL_NO | 12 | QUAD | NE | GRID | D-17 | SAMPLED | <input type="checkbox"/> |
| DATE_INSP | 3/5/2024 | TIME | 10:00am | Inspected by | JA/DL | | |
| WEATHER | CLOUDY | flow | NO | FLOW_GPM | 0 | | |
| APPEARANCE | na | | GROSS POLLUTANT | na | | | |
| Source of Flow | na | | | | | | |

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening-2023-2024\East\12->

| | | | |
|--|----|---------------------------|--|
| AIR_TEMP_F | 49 | Lab | |
| WATER_TEMP_F | | Lab_Report | |
| pH | | E_coli_Coliform_mpn/100ml | |
| CONDUCTIVITY_Umos/cm | | Ammonia_mg/l | |
| BOD_mg/l | | Nitrite_NO2_mg/l | |
| COD_mg/l | | Nitrate_NO3_mg/l | |
| TSS_mg/l | | TKN_Tot_Kjeld_N_mg/l | |
| TDS_mg/l | | Phosphorus_total_mg/l_P | |
| N-Hexane Extractable-(Oil_Grease)_mg/l | | Hardness_mg/l_CaCO3 | |
| Floride_mg/l | | Chlorine_mg/l | |



| | | | | | | | |
|----------------|--|------|-----------------|--------------|-------|---------|--------------------------|
| LOCATION | NORTH PINO ARROYO AT TIBURON NE | | | | | | |
| OUTFALL_NO | 13 | QUAD | NE | GRID | D-17 | SAMPLED | <input type="checkbox"/> |
| DATE_INSP | 3/5/2024 | TIME | 11:00am | Inspected by | JA/DL | | |
| WEATHER | CLOUDY | flow | NO | FLOW_GPM | 0 | | |
| APPEARANCE | na | | GROSS POLLUTANT | na | | | |
| Source of Flow | na | | | | | | |

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening-2023-2024\East\13->

| | | | |
|--|----|---------------------------|--|
| AIR_TEMP_F | 49 | Lab | |
| WATER_TEMP_F | | Lab_Report | |
| pH | | E_coli_Coliform_mpn/100ml | |
| CONDUCTIVITY_Umos/cm | | Ammonia_mg/l | |
| BOD_mg/l | | Nitrite_NO2_mg/l | |
| COD_mg/l | | Nitrate_NO3_mg/l | |
| TSS_mg/l | | TKN_Tot_Kjeld_N_mg/l | |
| TDS_mg/l | | Phosphorus_total_mg/l_P | |
| N-Hexane Extractable-(Oil_Grease)_mg/l | | Hardness_mg/l_CaCO3 | |
| Floride_mg/l | | Chlorine_mg/l | |



| | | | | | | |
|----------------|---|------|-----------------|--------------|------|---|
| LOCATION | SOUTH DOMINGO BACA ARROYO AT WASHINGTON NE | | | | | |
| OUTFALL_NO | 14 | QUAD | NE | GRID | C-17 | SAMPLED <input checked="" type="checkbox"/> |
| DATE_INSP | 3/5/2024 | TIME | 12:30pm | Inspected by | SK | |
| WEATHER | CLOUDY | flow | NO | FLOW_GPM | 0 | |
| APPEARANCE | na | | GROSS POLLUTANT | na | | |
| Source of Flow | na | | | | | |

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening-2023-2024\East\14->

| | | | |
|--|------|---------------------------|------------|
| AIR_TEMP_F | 49 | Lab | |
| WATER_TEMP_F | | Lab_Report | 885-2062-1 |
| pH | 8.2 | E_coli_Coliform_mpn/100ml | 16.1 |
| CONDUCTIVITY_Umos/cm | 670 | Ammonia_mg/l | ND |
| BOD_mg/l | 5.2 | Nitrite_NO2_mg/l | ND |
| COD_mg/l | ND | Nitrate_NO3_mg/l | ND |
| TSS_mg/l | ND | TKN_Tot_Kjeld_N_mg/l | ND |
| TDS_mg/l | 430 | Phosphorus_total_mg/l_P | 0.54 |
| N-Hexane Extractable-(Oil_Grease)_mg/l | ND | Hardness_mg/l_CaCO3 | 230 |
| Floride_mg/l | 0.82 | Chlorine_mg/l | ND |



LOCATION **AMOLE DEL NORTE CHANNEL AT BLAKE SW**

OUTFALL_NO **15** QUAD **SW** GRID **N-10** SAMPLED

DATE_INSP **4/10/2024** TIME **9:00am** Inspected by **KO**

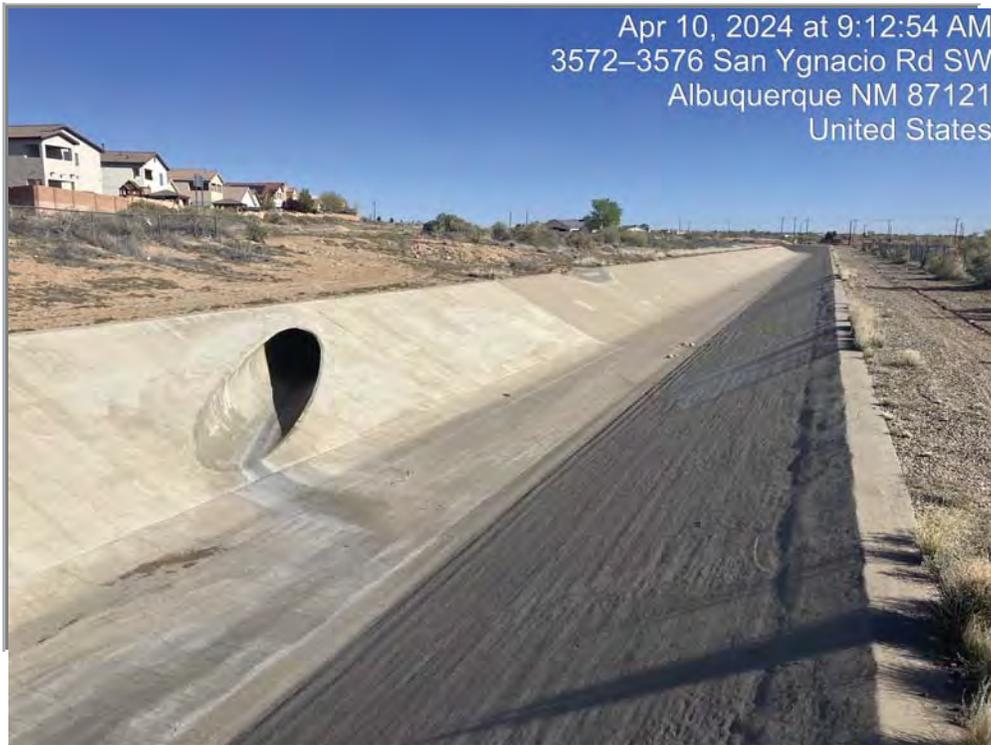
WEATHER **SUNNY** flow **NO** FLOW_GPM **0**

APPEARANCE **na** GROSS POLLUTANT **na**

Source of Flow **na**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\15->

| | | | |
|--|-----------|---------------------------|--|
| AIR_TEMP_F | 47 | Lab | |
| WATER_TEMP_F | | Lab_Report | |
| pH | | E_coli_Coliform_mpn/100ml | |
| CONDUCTIVITY_Umos/cm | | Ammonia_mg/l | |
| BOD_mg/l | | Nitrite_NO2_mg/l | |
| COD_mg/l | | Nitrate_NO3_mg/l | |
| TSS_mg/l | | TKN_Tot_Kjeld_N_mg/l | |
| TDS_mg/l | | Phosphorus_total_mg/l_P | |
| N-Hexane Extractable-(Oil_Grease)_mg/l | | Hardness_mg/l_CaCO3 | |
| Fluoride_mg/l | | Chlorine_mg/l | |



| | | | | | | | |
|----------------|--|------|-----------------|--------------|-------|---------|--------------------------|
| LOCATION | WEST BLUFF NW OUTFALL AT RIO GRANDE AT I-40 | | | | | | |
| OUTFALL_NO | 16 | QUAD | NW | GRID | H-11 | SAMPLED | <input type="checkbox"/> |
| DATE_INSP | 3/25/2024 | TIME | 10:30am | Inspected by | JA/DL | | |
| WEATHER | CLOUDY | flow | NO | FLOW_GPM | 0 | | |
| APPEARANCE | na | | GROSS POLLUTANT | na | | | |
| Source of Flow | na | | | | | | |

link X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2024\2 - DW Screening--new-2023-2024\16

| | | | |
|--|----|---------------------------|--|
| AIR_TEMP_F | 44 | Lab | |
| WATER_TEMP_F | | Lab_Report | |
| pH | | E_coli_Coliform_mpn/100ml | |
| CONDUCTIVITY_Umos/cm | | Ammonia_mg/l | |
| BOD_mg/l | | Nitrite_NO2_mg/l | |
| COD_mg/l | | Nitrate_NO3_mg/l | |
| TSS_mg/l | | TKN_Tot_Kjeld_N_mg/l | |
| TDS_mg/l | | Phosphorus_total_mg/l_P | |
| N-Hexane Extractable-(Oil_Grease)_mg/l | | Hardness_mg/l_CaCO3 | |
| Fluoride_mg/l | | Chlorine_mg/l | |



LOCATION **SNOW VISTA ARROYO AT DE VARGAS SW**

OUTFALL_NO **17** QUAD **SW** GRID **M-09** SAMPLED

DATE_INSP **3/5/2024** TIME **10:30am** Inspected by **JA/DL**

WEATHER **SUNNY** flow **NO** FLOW_GPM **0**

APPEARANCE **na** GROSS POLLUTANT **na**

Source of Flow **na**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\17->

| | | | |
|--|-----------|---------------------------|--|
| AIR_TEMP_F | 47 | Lab | |
| WATER_TEMP_F | | Lab_Report | |
| pH | | E_coli_Coliform_mpn/100ml | |
| CONDUCTIVITY_Umos/cm | | Ammonia_mg/l | |
| BOD_mg/l | | Nitrite_NO2_mg/l | |
| COD_mg/l | | Nitrate_NO3_mg/l | |
| TSS_mg/l | | TKN_Tot_Kjeld_N_mg/l | |
| TDS_mg/l | | Phosphorus_total_mg/l_P | |
| N-Hexane Extractable-(Oil_Grease)_mg/l | | Hardness_mg/l_CaCO3 | |
| Fluoride_mg/l | | Chlorine_mg/l | |



LOCATION **MONTANO EAST OF COORS NW**

OUTFALL_NO **18** QUAD **NW** GRID **E-12** SAMPLED

DATE_INSP **3/1 /2024** TIME **11:00am** Inspected by **JA/DL**

WEATHER **CLOUDY** flow **NO** FLOW_GPM **0**

APPEARANCE **na** GROSS POLLUTANT **na**

Source of Flow **na**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\18->

| | | | |
|--|-----------|---------------------------|--|
| AIR_TEMP_F | 36 | Lab | |
| WATER_TEMP_F | | Lab_Report | |
| pH | | E_coli_Coliform_mpn/100ml | |
| CONDUCTIVITY_Umos/cm | | Ammonia_mg/l | |
| BOD_mg/l | | Nitrite_NO2_mg/l | |
| COD_mg/l | | Nitrate_NO3_mg/l | |
| TSS_mg/l | | TKN_Tot_Kjeld_N_mg/l | |
| TDS_mg/l | | Phosphorus_total_mg/l_P | |
| N-Hexane Extractable-(Oil_Grease)_mg/l | | Hardness_mg/l_CaCO3 | |
| Floride_mg/l | | Chlorine_mg/l | |



LOCATION **MONTANO NW PS-47 WEST OF RIO GRANDE BLVD**

OUTFALL_NO **19** QUAD **NW** GRID **F-12** SAMPLED

DATE_INSP **3/5/2024** TIME **9:20am** Inspected by **NR**

WEATHER **SUNNY** flow **NO** FLOW_GPM **0**

APPEARANCE **na** GROSS POLLUTANT **na**

Source of Flow **na**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening-2023-2024\East\19->

| | | | |
|--|-----------|---------------------------|--|
| AIR_TEMP_F | 44 | Lab | |
| WATER_TEMP_F | | Lab_Report | |
| pH | | E_coli_Coliform_mpn/100ml | |
| CONDUCTIVITY_Umos/cm | | Ammonia_mg/l | |
| BOD_mg/l | | Nitrite_NO2_mg/l | |
| COD_mg/l | | Nitrate_NO3_mg/l | |
| TSS_mg/l | | TKN_Tot_Kjeld_N_mg/l | |
| TDS_mg/l | | Phosphorus_total_mg/l_P | |
| N-Hexane Extractable-(Oil_Grease)_mg/l | | Hardness_mg/l_CaCO3 | |
| Floride_mg/l | | Chlorine_mg/l | |



| | | | | | | | |
|-----------------|--|------|--------|--------------|----------------------|---------|--------------------------|
| LOCATION | CANDELARIA NW PS-40 AT RIO GRANDE | | | | | | |
| OUTFALL_NO | 20 | QUAD | NW | GRID | G-12 | SAMPLED | <input type="checkbox"/> |
| DATE_INSP | 3/5/2024 | TIME | 8:00am | Inspected by | NR | | |
| WEATHER | SUNNY | flow | NO | FLOW_GPM | <input type="text"/> | | |
| APPEARANCE | <input type="text"/> | | | | | | |
| GROSS POLLUTANT | <input type="text"/> | | | | | | |
| Source of Flow | <input type="text"/> | | | | | | |

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening-2023-2024\East\20->

| | | | |
|--|----------------------|---------------------------|----------------------|
| AIR_TEMP_F | <input type="text"/> | Lab | <input type="text"/> |
| WATER_TEMP_F | <input type="text"/> | Lab_Report | <input type="text"/> |
| pH | <input type="text"/> | E_coli_Coliform_mpn/100ml | <input type="text"/> |
| CONDUCTIVITY_Umos/cm | <input type="text"/> | Ammonia_mg/l | <input type="text"/> |
| BOD_mg/l | <input type="text"/> | Nitrite_NO2_mg/l | <input type="text"/> |
| COD_mg/l | <input type="text"/> | Nitrate_NO3_mg/l | <input type="text"/> |
| TSS_mg/l | <input type="text"/> | TKN_Tot_Kjeld_N_mg/l | <input type="text"/> |
| TDS_mg/l | <input type="text"/> | Phosphorus_total_mg/l_P | <input type="text"/> |
| N-Hexane Extractable-(Oil_Grease)_mg/l | <input type="text"/> | Hardness_mg/l_CaCO3 | <input type="text"/> |
| Fluoride_mg/l | <input type="text"/> | Chlorine_mg/l | <input type="text"/> |



| | | | | | | | |
|----------------|-----------------------------|------|-----------------|--------------|-------|---------|--------------------------|
| LOCATION | NAMASTE AND COORS NW | | | | | | |
| OUTFALL_NO | 21 | QUAD | NW | GRID | F-11 | SAMPLED | <input type="checkbox"/> |
| DATE_INSP | 3/5/2024 | TIME | 10:00 | Inspected by | JA/DL | | |
| WEATHER | CLOUDY | flow | NO | FLOW_GPM | 0 | | |
| APPEARANCE | na | | GROSS POLLUTANT | na | | | |
| Source of Flow | na | | | | | | |

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\21->

| | | | |
|--|----|---------------------------|--|
| AIR_TEMP_F | 34 | Lab | |
| WATER_TEMP_F | | Lab_Report | |
| pH | | E_coli_Coliform_mpn/100ml | |
| CONDUCTIVITY_Umos/cm | | Ammonia_mg/l | |
| BOD_mg/l | | Nitrite_NO2_mg/l | |
| COD_mg/l | | Nitrate_NO3_mg/l | |
| TSS_mg/l | | TKN_Tot_Kjeld_N_mg/l | |
| TDS_mg/l | | Phosphorus_total_mg/l_P | |
| N-Hexane Extractable-(Oil_Grease)_mg/l | | Hardness_mg/l_CaCO3 | |
| Floride_mg/l | | Chlorine_mg/l | |



LOCATION **SNOW GOOSE AT OXBOW BLUFF NW**

OUTFALL_NO **22** QUAD **NW** GRID **G-11** SAMPLED

DATE_INSP **4/5/2024** TIME **11:30am** Inspected by **KO**

WEATHER **SUNNY** flow **NO** FLOW_GPM **0**

APPEARANCE **na** GROSS POLLUTANT **na**

Source of Flow **na**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\22->

| | | | |
|--|---------------------------------|---------------------------|----------------------|
| AIR_TEMP_F | <input type="text" value="45"/> | Lab | <input type="text"/> |
| WATER_TEMP_F | <input type="text"/> | Lab_Report | <input type="text"/> |
| pH | <input type="text"/> | E_coli_Coliform_mpn/100ml | <input type="text"/> |
| CONDUCTIVITY_Umos/cm | <input type="text"/> | Ammonia_mg/l | <input type="text"/> |
| BOD_mg/l | <input type="text"/> | Nitrite_NO2_mg/l | <input type="text"/> |
| COD_mg/l | <input type="text"/> | Nitrate_NO3_mg/l | <input type="text"/> |
| TSS_mg/l | <input type="text"/> | TKN_Tot_Kjeld_N_mg/l | <input type="text"/> |
| TDS_mg/l | <input type="text"/> | Phosphorus_total_mg/l_P | <input type="text"/> |
| N-Hexane Extractable-(Oil_Grease)_mg/l | <input type="text"/> | Hardness_mg/l_CaCO3 | <input type="text"/> |
| Floride_mg/l | <input type="text"/> | Chlorine_mg/l | <input type="text"/> |



LOCATION **SEQUOIA NW AT RIO GRANDE**

OUTFALL_NO **23** QUAD **NW** GRID **G-11** SAMPLED

DATE_INSP **3/28/2024** TIME **2:30pm** Inspected by **KO/ML**

WEATHER **SUNNY** flow **NO** FLOW_GPM **0**

APPEARANCE **na** GROSS POLLUTANT **na**

Source of Flow **na**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\23->

| | | | |
|--|---------------------------------|---------------------------|----------------------|
| AIR_TEMP_F | <input type="text" value="45"/> | Lab | <input type="text"/> |
| WATER_TEMP_F | <input type="text"/> | Lab_Report | <input type="text"/> |
| pH | <input type="text"/> | E_coli_Coliform_mpn/100ml | <input type="text"/> |
| CONDUCTIVITY_Umos/cm | <input type="text"/> | Ammonia_mg/l | <input type="text"/> |
| BOD_mg/l | <input type="text"/> | Nitrite_NO2_mg/l | <input type="text"/> |
| COD_mg/l | <input type="text"/> | Nitrate_NO3_mg/l | <input type="text"/> |
| TSS_mg/l | <input type="text"/> | TKN_Tot_Kjeld_N_mg/l | <input type="text"/> |
| TDS_mg/l | <input type="text"/> | Phosphorus_total_mg/l_P | <input type="text"/> |
| N-Hexane Extractable-(Oil_Grease)_mg/l | <input type="text"/> | Hardness_mg/l_CaCO3 | <input type="text"/> |
| Fluoride_mg/l | <input type="text"/> | Chlorine_mg/l | <input type="text"/> |



LOCATION **REDLANDS - GRANDE VISTA NW**

OUTFALL_NO **24** QUAD **NW** GRID **G-12** SAMPLED

DATE_INSP **3/20/2024** TIME **3:05** Inspected by **JA/DL**

WEATHER **SUNNY** flow **NO** FLOW_GPM **0**

APPEARANCE **na** GROSS POLLUTANT **na**

Source of Flow **na**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\24->

| | | | |
|--|-----------|---------------------------|--|
| AIR_TEMP_F | 45 | Lab | |
| WATER_TEMP_F | | Lab_Report | |
| pH | | E_coli_Coliform_mpn/100ml | |
| CONDUCTIVITY_Umos/cm | | Ammonia_mg/l | |
| BOD_mg/l | | Nitrite_NO2_mg/l | |
| COD_mg/l | | Nitrate_NO3_mg/l | |
| TSS_mg/l | | TKN_Tot_Kjeld_N_mg/l | |
| TDS_mg/l | | Phosphorus_total_mg/l_P | |
| N-Hexane Extractable-(Oil_Grease)_mg/l | | Hardness_mg/l_CaCO3 | |
| Fluoride_mg/l | | Chlorine_mg/l | |



LOCATION **PASEO DEL REY - OURAY - VISTA GRANDE NW**

OUTFALL_NO **25** QUAD **NW** GRID **H-11** SAMPLED

DATE_INSP **3/28/2024** TIME **10:55** Inspected by **KO/ML**

WEATHER **SUNNY** flow **NO** FLOW_GPM **0**

APPEARANCE **na** GROSS POLLUTANT **na**

Source of Flow **na**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\25->

| | | | |
|--|-----------|---------------------------|--|
| AIR_TEMP_F | 39 | Lab | |
| WATER_TEMP_F | | Lab_Report | |
| pH | | E_coli_Coliform_mpn/100ml | |
| CONDUCTIVITY_Umos/cm | | Ammonia_mg/l | |
| BOD_mg/l | | Nitrite_NO2_mg/l | |
| COD_mg/l | | Nitrate_NO3_mg/l | |
| TSS_mg/l | | TKN_Tot_Kjeld_N_mg/l | |
| TDS_mg/l | | Phosphorus_total_mg/l_P | |
| N-Hexane Extractable-(Oil_Grease)_mg/l | | Hardness_mg/l_CaCO3 | |
| Fluoride_mg/l | | Chlorine_mg/l | |



LOCATION **DURANES NW PS AT RIO GRANDE**

OUTFALL_NO **26** QUAD **NW** GRID **H-12** SAMPLED

DATE_INSP **3/5/2024** TIME **10:30am** Inspected by **NR**

WEATHER **CLOUDY** flow **YES** FLOW_GPM **3**

APPEARANCE GROSS POLLUTANT

Source of Flow

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening-2023-2024\East\26->

| | | | |
|--|----------------------|---------------------------|----------------------|
| AIR_TEMP_F | <input type="text"/> | Lab | <input type="text"/> |
| WATER_TEMP_F | <input type="text"/> | Lab_Report | <input type="text"/> |
| pH | <input type="text"/> | E_coli_Coliform_mpn/100ml | <input type="text"/> |
| CONDUCTIVITY_Umos/cm | <input type="text"/> | Ammonia_mg/l | <input type="text"/> |
| BOD_mg/l | <input type="text"/> | Nitrite_NO2_mg/l | <input type="text"/> |
| COD_mg/l | <input type="text"/> | Nitrate_NO3_mg/l | <input type="text"/> |
| TSS_mg/l | <input type="text"/> | TKN_Tot_Kjeld_N_mg/l | <input type="text"/> |
| TDS_mg/l | <input type="text"/> | Phosphorus_total_mg/l_P | <input type="text"/> |
| N-Hexane Extractable-(Oil_Grease)_mg/l | <input type="text"/> | Hardness_mg/l_CaCO3 | <input type="text"/> |
| Floride_mg/l | <input type="text"/> | Chlorine_mg/l | <input type="text"/> |



LOCATION **CALLE DEL VISTA-ATRISCO NW**

OUTFALL_NO **27** QUAD **NW** GRID **H-11** SAMPLED

DATE_INSP **3/25/2024** TIME **3:30pm** Inspected by **JA/DL**

WEATHER **CLOUDY** flow **NO** FLOW_GPM **0**

APPEARANCE GROSS POLLUTANT

Source of Flow

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\27->

| | | | |
|--|---------------------------------|---------------------------|----------------------|
| AIR_TEMP_F | <input type="text" value="44"/> | Lab | <input type="text"/> |
| WATER_TEMP_F | <input type="text"/> | Lab_Report | <input type="text"/> |
| pH | <input type="text"/> | E_coli_Coliform_mpn/100ml | <input type="text"/> |
| CONDUCTIVITY_Umos/cm | <input type="text"/> | Ammonia_mg/l | <input type="text"/> |
| BOD_mg/l | <input type="text"/> | Nitrite_NO2_mg/l | <input type="text"/> |
| COD_mg/l | <input type="text"/> | Nitrate_NO3_mg/l | <input type="text"/> |
| TSS_mg/l | <input type="text"/> | TKN_Tot_Kjeld_N_mg/l | <input type="text"/> |
| TDS_mg/l | <input type="text"/> | Phosphorus_total_mg/l_P | <input type="text"/> |
| N-Hexane Extractable-(Oil_Grease)_mg/l | <input type="text"/> | Hardness_mg/l_CaCO3 | <input type="text"/> |
| Floride_mg/l | <input type="text"/> | Chlorine_mg/l | <input type="text"/> |



LOCATION **WESTCLIFFE APTS AT 2700 VISTA GRANDE NW**

OUTFALL_NO **28** QUAD **NW** GRID **H-12** SAMPLED

DATE_INSP **3/21/2024** TIME **10:45** Inspected by **AP***

WEATHER **SUNNY** flow **NO** FLOW_GPM **0**

APPEARANCE **na** GROSS POLLUTANT **na**

Source of Flow **na**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\28->

| | | | |
|--|-----------|---------------------------|--|
| AIR_TEMP_F | 39 | Lab | |
| WATER_TEMP_F | | Lab_Report | |
| pH | | E_coli_Coliform_mpn/100ml | |
| CONDUCTIVITY_Umos/cm | | Ammonia_mg/l | |
| BOD_mg/l | | Nitrite_NO2_mg/l | |
| COD_mg/l | | Nitrate_NO3_mg/l | |
| TSS_mg/l | | TKN_Tot_Kjeld_N_mg/l | |
| TDS_mg/l | | Phosphorus_total_mg/l_P | |
| N-Hexane Extractable-(Oil_Grease)_mg/l | | Hardness_mg/l_CaCO3 | |
| Floride_mg/l | | Chlorine_mg/l | |



| | | | | | | | |
|----------------|---------------------------------------|------|-----------------|--------------|------|---------|--------------------------|
| LOCATION | SAN JOSE DRAIN AT RIO BRAVO SW | | | | | | |
| OUTFALL_NO | 29 | QUAD | SW | GRID | P-13 | SAMPLED | <input type="checkbox"/> |
| DATE_INSP | 3/4/2024 | TIME | 10:45 | Inspected by | AP | | |
| WEATHER | SUNNY | flow | NO | FLOW_GPM | 0 | | |
| APPEARANCE | na | | GROSS POLLUTANT | na | | | |
| Source of Flow | na | | | | | | |

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening-2023-2024\East\29->

| | | | |
|--|----|---------------------------|--|
| AIR_TEMP_F | 42 | Lab | |
| WATER_TEMP_F | | Lab_Report | |
| pH | | E_coli_Coliform_mpn/100ml | |
| CONDUCTIVITY_Umos/cm | | Ammonia_mg/l | |
| BOD_mg/l | | Nitrite_NO2_mg/l | |
| COD_mg/l | | Nitrate_NO3_mg/l | |
| TSS_mg/l | | TKN_Tot_Kjeld_N_mg/l | |
| TDS_mg/l | | Phosphorus_total_mg/l_P | |
| N-Hexane Extractable-(Oil_Grease)_mg/l | | Hardness_mg/l_CaCO3 | |
| Floride_mg/l | | Chlorine_mg/l | |



LOCATION **ATRISCO-ATRISCO PL-RIVERVIEW NW**

OUTFALL_NO **30** QUAD **NW** GRID **J-11** SAMPLED

DATE_INSP **3/21/2024** TIME **3:25** Inspected by **JA/DL**

WEATHER **SUNNY** flow **NO** FLOW_GPM **0**

APPEARANCE GROSS POLLUTANT **na**

Source of Flow

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\30->

| | | | |
|--|---------------------------------|---------------------------|----------------------|
| AIR_TEMP_F | <input type="text" value="48"/> | Lab | <input type="text"/> |
| WATER_TEMP_F | <input type="text"/> | Lab_Report | <input type="text"/> |
| pH | <input type="text"/> | E_coli_Coliform_mpn/100ml | <input type="text"/> |
| CONDUCTIVITY_Umos/cm | <input type="text"/> | Ammonia_mg/l | <input type="text"/> |
| BOD_mg/l | <input type="text"/> | Nitrite_NO2_mg/l | <input type="text"/> |
| COD_mg/l | <input type="text"/> | Nitrate_NO3_mg/l | <input type="text"/> |
| TSS_mg/l | <input type="text"/> | TKN_Tot_Kjeld_N_mg/l | <input type="text"/> |
| TDS_mg/l | <input type="text"/> | Phosphorus_total_mg/l_P | <input type="text"/> |
| N-Hexane Extractable-(Oil_Grease)_mg/l | <input type="text"/> | Hardness_mg/l_CaCO3 | <input type="text"/> |
| Fluoride_mg/l | <input type="text"/> | Chlorine_mg/l | <input type="text"/> |



| | | | | | | | |
|----------------|---|------|-----------------|--------------|-------|---------|--------------------------|
| LOCATION | LA BAJADA-ATRISCO-NORTH 30 IN PIPE | | | | | | |
| OUTFALL_NO | 31 | QUAD | NW | GRID | J-11 | SAMPLED | <input type="checkbox"/> |
| DATE_INSP | 3/21/2024 | TIME | 3:20 | Inspected by | JA/DL | | |
| WEATHER | SUNNY | flow | NO | FLOW_GPM | 0 | | |
| APPEARANCE | na | | GROSS POLLUTANT | na | | | |
| Source of Flow | na | | | | | | |

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\31->

| | | | |
|--|----|---------------------------|--|
| AIR_TEMP_F | 48 | Lab | |
| WATER_TEMP_F | | Lab_Report | |
| pH | | E_coli_Coliform_mpn/100ml | |
| CONDUCTIVITY_Umos/cm | | Ammonia_mg/l | |
| BOD_mg/l | | Nitrite_NO2_mg/l | |
| COD_mg/l | | Nitrate_NO3_mg/l | |
| TSS_mg/l | | TKN_Tot_Kjeld_N_mg/l | |
| TDS_mg/l | | Phosphorus_total_mg/l_P | |
| N-Hexane Extractable-(Oil_Grease)_mg/l | | Hardness_mg/l_CaCO3 | |
| Floride_mg/l | | Chlorine_mg/l | |



LOCATION **LA BAJADA-ATRISCO-SOUTH 36 IN PIPE-WINGWALL**
 OUTFALL_NO **32** QUAD **NW** GRID **J-11** SAMPLED
 DATE_INSP **3/21/2024** TIME **3:20** Inspected by **JA/DL**
 WEATHER **SUNNY** flow **NO** FLOW_GPM **0**
 APPEARANCE **na** GROSS POLLUTANT **na**
 Source of Flow **na**

link X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2024\2 - DW Screening--new-2023-2024\32

| | | | |
|--|-----------|---------------------------|--|
| AIR_TEMP_F | 48 | Lab | |
| WATER_TEMP_F | | Lab_Report | |
| pH | | E_coli_Coliform_mpn/100ml | |
| CONDUCTIVITY_Umos/cm | | Ammonia_mg/l | |
| BOD_mg/l | | Nitrite_NO2_mg/l | |
| COD_mg/l | | Nitrate_NO3_mg/l | |
| TSS_mg/l | | TKN_Tot_Kjeld_N_mg/l | |
| TDS_mg/l | | Phosphorus_total_mg/l_P | |
| N-Hexane Extractable-(Oil_Grease)_mg/l | | Hardness_mg/l_CaCO3 | |
| Fluoride_mg/l | | Chlorine_mg/l | |



| | | | | | | | |
|----------------|--|-----------------|---------|--------------|-------|---------|-------------------------------------|
| LOCATION | CENTRAL-SUNSET-OSAGE PS-44 THE 36 AND 42 IN PIPES | | | | | | |
| OUTFALL_NO | 33 | QUAD | NW | GRID | J-12 | SAMPLED | <input checked="" type="checkbox"/> |
| DATE_INSP | 3/21/2024 | TIME | 10:30am | Inspected by | JA/DL | | |
| WEATHER | SUNNY | flow | YES | FLOW_GPM | 0.5 | | |
| APPEARANCE | clear | GROSS POLLUTANT | none | | | | |
| Source of Flow | groundwater at the Atrisco park | | | | | | |

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening-2023-2024\West\33->

| | | | | |
|--|-----|---------------------------|------------|--|
| AIR_TEMP_F | 48 | Lab | Eurofins | |
| WATER_TEMP_F | | Lab_Report | 885-1678-1 | |
| pH | 7.7 | E_coli_Coliform_mpn/100ml | 90.1 | |
| CONDUCTIVITY_Umos/cm | 360 | Ammonia_mg/l | 0.7 | |
| BOD_mg/l | 2 | Nitrite_NO2_mg/l | ND | |
| COD_mg/l | 80 | Nitrate_NO3_mg/l | 0.66 | |
| TSS_mg/l | ND | TKN_Tot_Kjeld_N_mg/l | 0.96 | |
| TDS_mg/l | 210 | Phosphorus_total_mg/l_P | 0.35 | |
| N-Hexane Extractable-(Oil_Grease)_mg/l | ND | Hardness_mg/l_CaCO3 | 92 | |
| Fluoride_mg/l | ND | Chlorine_mg/l | ND | |



| | | | | | | | |
|----------------|--|------|-----------------|--------------|-------|---------|--------------------------|
| LOCATION | CENTRAL-SUNSET-OSAGE NW PS-44 THE 6 IN PIPE | | | | | | |
| OUTFALL_NO | 34 | QUAD | NW | GRID | J-12 | SAMPLED | <input type="checkbox"/> |
| DATE_INSP | 3/21/2024 | TIME | 3:05 | Inspected by | JA/DL | | |
| WEATHER | SUNNY | flow | NO | FLOW_GPM | 0 | | |
| APPEARANCE | na | | GROSS POLLUTANT | na | | | |
| Source of Flow | na | | | | | | |

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\34->

| | | | |
|--|----|---------------------------|--|
| AIR_TEMP_F | 48 | Lab | |
| WATER_TEMP_F | | Lab_Report | |
| pH | | E_coli_Coliform_mpn/100ml | |
| CONDUCTIVITY_Umos/cm | | Ammonia_mg/l | |
| BOD_mg/l | | Nitrite_NO2_mg/l | |
| COD_mg/l | | Nitrate_NO3_mg/l | |
| TSS_mg/l | | TKN_Tot_Kjeld_N_mg/l | |
| TDS_mg/l | | Phosphorus_total_mg/l_P | |
| N-Hexane Extractable-(Oil_Grease)_mg/l | | Hardness_mg/l_CaCO3 | |
| Fluoride_mg/l | | Chlorine_mg/l | |



LOCATION **ALCALDE SW PS-41 AT RIO GRANDE**

OUTFALL_NO **35** QUAD **SW** GRID **K-13** SAMPLED

DATE_INSP **3/21/2024** TIME **1:30pm** Inspected by **AP**

WEATHER **SUNNY** flow **NO** FLOW_GPM **0**

APPEARANCE **na** GROSS POLLUTANT **na**

Source of Flow **na**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening-2023-2024\East\35->

| | | | |
|--|---------------------------------|---------------------------|----------------------|
| AIR_TEMP_F | <input type="text" value="46"/> | Lab | <input type="text"/> |
| WATER_TEMP_F | <input type="text"/> | Lab_Report | <input type="text"/> |
| pH | <input type="text"/> | E_coli_Coliform_mpn/100ml | <input type="text"/> |
| CONDUCTIVITY_Umos/cm | <input type="text"/> | Ammonia_mg/l | <input type="text"/> |
| BOD_mg/l | <input type="text"/> | Nitrite_NO2_mg/l | <input type="text"/> |
| COD_mg/l | <input type="text"/> | Nitrate_NO3_mg/l | <input type="text"/> |
| TSS_mg/l | <input type="text"/> | TKN_Tot_Kjeld_N_mg/l | <input type="text"/> |
| TDS_mg/l | <input type="text"/> | Phosphorus_total_mg/l_P | <input type="text"/> |
| N-Hexane Extractable-(Oil_Grease)_mg/l | <input type="text"/> | Hardness_mg/l_CaCO3 | <input type="text"/> |
| Fluoride_mg/l | <input type="text"/> | Chlorine_mg/l | <input type="text"/> |



LOCATION **NDC AT ALAMEDA NE**

OUTFALL_NO **36** QUAD **NE** GRID **C-17** SAMPLED

DATE_INSP **3/22/2024** TIME **10:30** Inspected by **JA/DL**

WEATHER **SUNNY** flow **YES** FLOW_GPM **1**

APPEARANCE **clear** GROSS POLLUTANT **leaves, papers, plastics**

Source of Flow **Irrigation water and well wash water**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\36->

| | | | |
|--|------|---------------------------|------------|
| AIR_TEMP_F | 54 | Lab | Eurofins |
| WATER_TEMP_F | | Lab_Report | 885-1678-1 |
| pH | 8.5 | E_coli_Coliform_mpn/100ml | ND |
| CONDUCTIVITY_Umos/cm | 650 | Ammonia_mg/l | ND |
| BOD_mg/l | 5.2 | Nitrite_NO2_mg/l | ND |
| COD_mg/l | ND | Nitrate_NO3_mg/l | ND |
| TSS_mg/l | 4 | TKN_Tot_Kjeld_N_mg/l | 0.75 |
| TDS_mg/l | 440 | Phosphorus_total_mg/l_P | 0.26 |
| N-Hexane Extractable-(Oil_Grease)_mg/l | ND | Hardness_mg/l_CaCO3 | 190 |
| Fluoride_mg/l | 0.95 | Chlorine_mg/l | ND |



LOCATION **TIJERAS ARROYO AT 2ND ST SW**

OUTFALL_NO **37** QUAD **SW** GRID **Q-12** SAMPLED

DATE_INSP **3/5/2024** TIME **10:30am** Inspected by **JA/DL**

WEATHER **SUNNY** flow **NO** FLOW_GPM **0**

APPEARANCE **na** GROSS POLLUTANT **na**

Source of Flow **na**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening-2023-2024\East\37->

| | | | |
|--|---------------------------------|---------------------------|----------------------|
| AIR_TEMP_F | <input type="text" value="42"/> | Lab | <input type="text"/> |
| WATER_TEMP_F | <input type="text"/> | Lab_Report | <input type="text"/> |
| pH | <input type="text"/> | E_coli_Coliform_mpn/100ml | <input type="text"/> |
| CONDUCTIVITY_Umos/cm | <input type="text"/> | Ammonia_mg/l | <input type="text"/> |
| BOD_mg/l | <input type="text"/> | Nitrite_NO2_mg/l | <input type="text"/> |
| COD_mg/l | <input type="text"/> | Nitrate_NO3_mg/l | <input type="text"/> |
| TSS_mg/l | <input type="text"/> | TKN_Tot_Kjeld_N_mg/l | <input type="text"/> |
| TDS_mg/l | <input type="text"/> | Phosphorus_total_mg/l_P | <input type="text"/> |
| N-Hexane Extractable-(Oil_Grease)_mg/l | <input type="text"/> | Hardness_mg/l_CaCO3 | <input type="text"/> |
| Fluoride_mg/l | <input type="text"/> | Chlorine_mg/l | <input type="text"/> |



LOCATION **MIRANDELA BY PUEBLO PARK SE OF COORS AND MONTANO NW**

OUTFALL_NO **38** QUAD **NW** GRID **E-12** SAMPLED

DATE_INSP **3/1/2024** TIME **10:30am** Inspected by **JA/DL**

WEATHER **SUNNY** flow **NO** FLOW_GPM **0**

APPEARANCE **na** GROSS POLLUTANT **na**

Source of Flow **na**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\38->

| | | | |
|--|-----------|---------------------------|--|
| AIR_TEMP_F | 36 | Lab | |
| WATER_TEMP_F | | Lab_Report | |
| pH | | E_coli_Coliform_mpn/100ml | |
| CONDUCTIVITY_Umos/cm | | Ammonia_mg/l | |
| BOD_mg/l | | Nitrite_NO2_mg/l | |
| COD_mg/l | | Nitrate_NO3_mg/l | |
| TSS_mg/l | | TKN_Tot_Kjeld_N_mg/l | |
| TDS_mg/l | | Phosphorus_total_mg/l_P | |
| N-Hexane Extractable-(Oil_Grease)_mg/l | | Hardness_mg/l_CaCO3 | |
| Fluoride_mg/l | | Chlorine_mg/l | |



LOCATION **BOSQUE SCHOOL AND MIRANDELA SE OF COORS AND MONTANO NW**

OUTFALL_NO **39** QUAD **NW** GRID **E-12** SAMPLED

DATE_INSP **3/1/2024** TIME **10:00am** Inspected by **JA/DL**

WEATHER **SUNNY** flow **NO** FLOW_GPM **0**

APPEARANCE **na** GROSS POLLUTANT **na**

Source of Flow **na**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\39->

AIR_TEMP_F **36** Lab

WATER_TEMP_F Lab_Report

pH E_coli_Coliform_mpn/100ml

CONDUCTIVITY_Umos/cm Ammonia_mg/l

BOD_mg/l Nitrite_NO2_mg/l

COD_mg/l Nitrate_NO3_mg/l

TSS_mg/l TKN_Tot_Kjeld_N_mg/l

TDS_mg/l Phosphorus_total_mg/l_P

N-Hexane Extractable-(Oil_Grease)_mg/l Hardness_mg/l_CaCO3

Fluoride_mg/l Chlorine_mg/l



LOCATION **1406-1412 RIVERVIEW NW**

OUTFALL_NO **40** QUAD **NW** GRID **J-11** SAMPLED

DATE_INSP **3/1/2024** TIME **1:30pm** Inspected by **KO/ML**

WEATHER **PARTLY SUNNY** flow **NO** FLOW_GPM **0**

APPEARANCE **na** GROSS POLLUTANT **na**

Source of Flow **na**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening-2023-2024\West\40->

| | | | |
|--|-----------|---------------------------|--|
| AIR_TEMP_F | 44 | Lab | |
| WATER_TEMP_F | | Lab_Report | |
| pH | | E_coli_Coliform_mpn/100ml | |
| CONDUCTIVITY_Umos/cm | | Ammonia_mg/l | |
| BOD_mg/l | | Nitrite_NO2_mg/l | |
| COD_mg/l | | Nitrate_NO3_mg/l | |
| TSS_mg/l | | TKN_Tot_Kjeld_N_mg/l | |
| TDS_mg/l | | Phosphorus_total_mg/l_P | |
| N-Hexane Extractable-(Oil_Grease)_mg/l | | Hardness_mg/l_CaCO3 | |
| Fluoride_mg/l | | Chlorine_mg/l | |

